

Vertedero de Chiquita Canyon
Castaic, California

Evaluación de Emisiones de Aire de Superficies de Vertederos



Evento de Prueba 5

Informe

Septiembre de 2025

Elaborada Por

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1. Memorándum Técnico de Validación de Datos
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1. Introducción

Antecedentes

El Vertedero de Chiquita Canyon (CCLF o el Vertedero) es un vertedero de desechos sólidos municipales (MSW) ubicado en el norte del Condado de Los Ángeles. Un área del Vertedero ha experimentado temperaturas elevadas de gas y hundimiento de la superficie, acompañado de generación elevada de gases, debido a la reacción de la subsuperficie. Este informe está previsto para que proporcione una evaluación de las emisiones del aire (Evento de Prueba No. 5) para determinar las emisiones en el aire superficial del vertedero tanto del área del Vertedero afectada por la reacción como de las áreas no afectadas por la reacción. Los eventos de prueba previos del Vertedero se realizaron los siguientes días:

1. Del 29 al 31 de agosto de 2023
2. Del 19 al 21 de marzo de 2024
3. Del 19 al 21 de noviembre de 2024
4. Del 19 al 21 de marzo de 2025

El Quinto evento de Prueba que se describe en este informe se realizó el 15-23 de julio de 2025.

Ubicación del Sitio

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

Figura 1.1 Mapa de Ubicación del Sitio.



Descripción de las Instalaciones

Desde el momento del Cuarto Evento de Prueba, el Vertedero de Chiquita Canyon ha sido un centro de disposición de MSW inactivo y ha estado recibiendo desechos.

Objetivo

El objetivo de estas evaluaciones de emisiones fue cuantificar, a través de mediciones en el campo, las emisiones de gases fijos (incluyen metano, dióxido de carbono y monóxido de carbono), compuestos de azufre reducidos y

compuestos orgánicos volátiles (VOCs) de la zona del Vertedero afectada por la reacción y las zonas no afectadas por la reacción.

Metodología

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

- ASTM D-1945/USEPA Método 3C para gases fijos (incluyen metano, dióxido de carbono y monóxido de carbono);
- Método TO-15 (MS) de USEPA para 1-1-Difluoroetano (1,1-DFA, se agregaron vestigios de gas para determinar el flujo advectivo);
- Método 307-91 del Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD) para ácido sulfhídrico (H₂S) /azufre reducido orgánico (ORS);
- Método TO-14 (GC/FID) de USEPA para VOCs de especiación;
- Método TO-15 (GC/MS) de USEPA para VOCs de especiación (incluye compuestos identificados tentativamente); y
- Método TO-12 de USEPA para el total de VOC (hidrocarburo total sin metano (TNMHC) con grupo funcional/distribución de peso molecular.

Los flujos de las superficies del suelo pueden ser difusivos (conducidos por acción molecular), advectivos (conducidos por el movimiento del gas) o una combinación de ambos. Dado que se esperaba que las superficies del vertedero tendrían un flujo advectivo en algunos o varios lugares, la evaluación de la cámara de flujo incluyó el uso de un rastreador (1- 1-Difluoroetano (1,1-DFA), analizado conforme al Método TO-15 de USEPA) en el gas de aire de barrida de la cámara según la Regla 1133.3 del SCAQMD, Adjunto A. Se utilizó la dilución del rastreador tomado de las muestras del depósito evacuado para calcular el flujo total en la cámara de flujo para evaluar las emisiones. Se debe tener en cuenta que

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



Las muestras del TO-12, TO-14, TO-15, del Método 3C de USEPA y del Método 3C de USEPA fueron tomadas y analizadas del mismo depósito de toma de muestras.

Nomenclatura de la Superficie del Vertedero

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

Zona No Reactiva

Es la parte del Vertedero que no se ve afectada por la reacción del vertedero y que no excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD de 25 partes por millón por volumen (ppmv) el 23-27 de junio de 2025, las fechas del evento SEM en todo el sitio, cuyos datos fueron utilizados para seleccionar las celdas de prueba.

Zona Reactiva

Es la parte del Vertedero designada como afectada por la reacción del vertedero por personal de SCS Engineers (SCS) que no excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD el 23-27 de junio de 2025 (Consulte el Apéndice 1 para observar la delineación de la Zona Reactiva utilizada para este informe).

Zona de Membrana

Éste es un subset de la Zona Reactiva que está cubierto por una membrana de HDPE según la Foto 1.2.

Zona de Interfaz de Cobertores de Membrana/Suelo

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

Zona de Excedencia

Es la parte del Vertedero designada como afectada por la reacción del vertedero que excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD el 23-27 de junio de 2025. Esta parte del Vertedero fue considerada por separado para evaluar cualquier impacto que tendrían las celdas de la cuadrícula que hayan excedido los criterios para datos integrados de la

Regla 1150.1 en las emisiones totales en la superficie del sitio. Se debe tener en cuenta que estas celdas de la cuadrícula están sujetas a un estricto programa de remediación, por lo tanto, emisiones elevadas de estas celdas serían un fenómeno temporal.

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



2. Alcance de la Toma de Muestras

Este estudio se enfocó en la evaluación de las emisiones de aire de zonas del Vertedero afectadas por la reacción y zonas no afectadas por la reacción. Cada zona del Vertedero fue testeada utilizando la tecnología de cámara de flujo. Se utilizaron los datos tomados de las mediciones de la cámara de flujo en lugares representativos dentro de las celdas de la cuadrícula para calcular los siguientes constituyentes del Vertedero: VOCs, compuestos de azufre, contaminante tóxico del aire (TAC) y emisiones de gases fijos.

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

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

Categoría del Origen	Alcance		
	Origen SubCategoría	Origen Nivel	Cantidad de Sets de Muestras
Zona No Reactiva		Alto	4
		Medio	4
		Medio	4
		Bajo	4
Zona Reactiva	Cubierta de Suelo	Alto	4
		Medio	4
		Medio	4
		Bajo	4
	Polímero Membrana	Alto	4
		Bajo	4
	Membrana/Suelo Resistencia de la interfaz	Alto	4
		Medio	4
		Medio	4
		Bajo	4
			4
Total de Ubicaciones de Muestreo			60
Aseguramiento de la Calidad/Control de calidad			12
Cantidad Total de Sets de Muestras			72

3. Estrategia para la Toma de Muestras

Selección de los Lugares de Toma de Muestras

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

Metodología para la Selección de Celdas de Prueba

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

Los eventos del SEM se llevaron a cabo utilizando un instrumento apto con un detector de ionización de llama (FID) junto con una grabación del lugar por sistema de posicionamiento global (GPS) para cartografiar las concentraciones de hidrocarburos fugitivos en la superficie siguiendo un patrón en cada celda de la cuadrícula para el sitio. Los datos instantáneos de las concentraciones fugitivas se determinan recorriendo el lugar a pie en forma de serpentina por cada celda de cuadrícula del Vertedero de 50,000 pies cuadrados (pies²) nominales. Los datos integrados de las concentraciones se determinan promediando las lecturas de los instrumentos obtenidas mientras se atravesaba el camino en forma de serpentina, como se ilustra en la Figura 3.2.

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

Figura 3.1 Celdas de la Cuadrícula de Prueba del Vertedero de Chiquita Canyon.

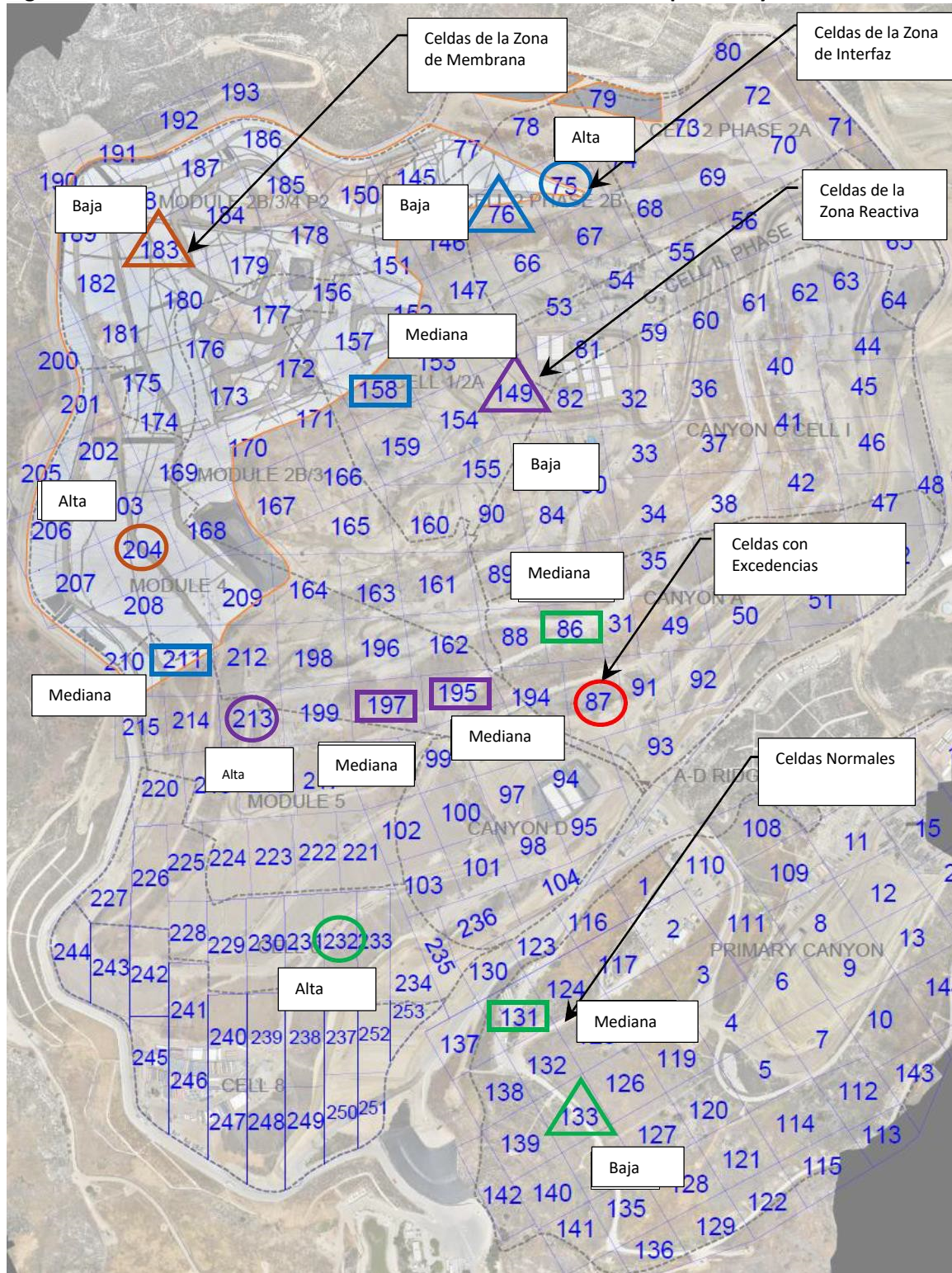
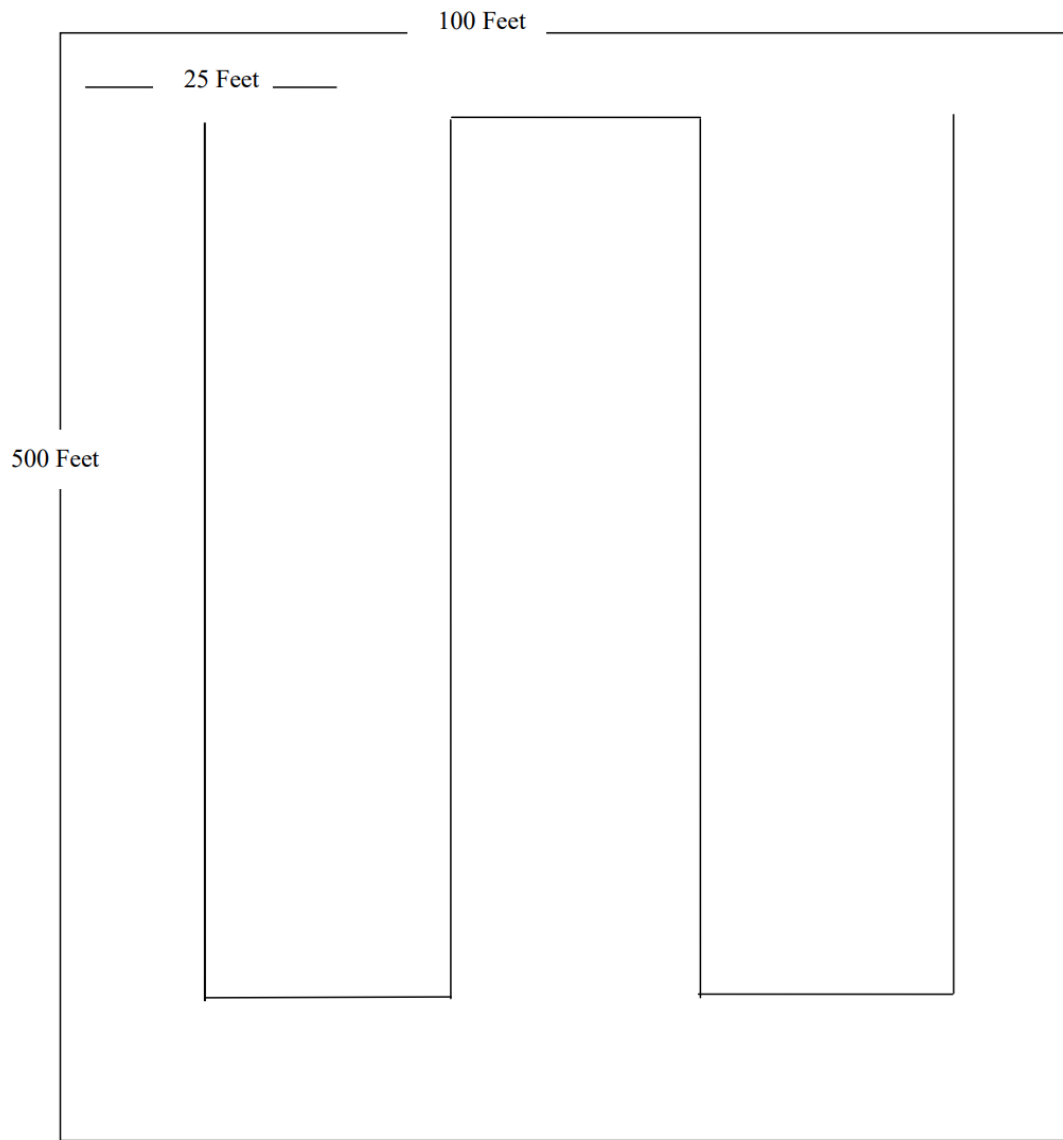


Figura 3.2 Patrón de Recorrido Típico en Serpentina en el Vertedero para una Cuadrícula de 50,000 Pies Cuadrados (de la Regla 1150.1).



Metodología para el Análisis de Datos de Alta Resolución y de Legado

El alcance de la toma de muestras para este evento de prueba fue casi el doble (celdas de 15 cuadrículas probadas para este evento vs. cuadrículas de 9 celdas para eventos previos) que en los eventos previos. Para evaluar el valor de este aumento en el alcance para este evento de prueba, se evaluaron los datos SEM/de las Celdas de las Cuadrículas utilizando dos metodologías diferentes.

El método de análisis primario para este informe se basó en el uso de todos los datos de las pruebas tomados durante el evento de prueba de julio de 2025 y está designado como Método de "Análisis de Alta Resolución". El Método de "Análisis de Alta Resolución" incorpora otras muestras de zonas específicas de interés en el vertedero que tuvieron características de emisiones desconocidas, como la Zona de Interfaz donde las Celdas de la Cuadrícula tienen una cubierta de suelo parcial y una cubierta de membrana de HDPE parcial. Incluyendo las muestras de estas ubicaciones (además de los tipos de ubicaciones típicas de eventos de prueba anteriores), se utilizó el Método de "Análisis de Alta Resolución" para determinar si las otras ubicaciones tuvieron algún impacto en los estimativos de las emisiones del vertedero en general.

Además, se analizó un subconjunto de los datos de las pruebas de julio de 2025 emulando el modelo de análisis de datos históricos y se designa como el Método de "Análisis de Legado". El Método de "Análisis de Legado" depende de una cuadrícula estándar de puntos de muestreo distribuidos de forma pareja por toda la superficie del vertedero, para proporcionar un estimativo general de las emisiones del vertedero.

Los resultados de los métodos de "Análisis de Alta Resolución" y de "Análisis de Legado" se comparan casi al final de este informe. En resumen, no hubo una diferencia significativa en las emisiones estimadas del vertedero en base a ninguno de los métodos. No obstante, se debe tener en cuenta que todos los resultados de este informe se basan en el método de "Análisis de Alta Resolución" utilizando todos los datos recopilados en este evento de prueba, a menos que se indique otra cosa.

Tablas de Datos SEM

Las tablas 3.1 a 3.3 muestran los datos integrados del SEM clasificados para las celdas de las zonas no reactivas durante el período 23-27 de junio de 2025. La tabla 3.4 muestra los datos integrados del SEM clasificados para las celdas de las zonas reactivas durante el período del 23-27 de junio de 2025. La tabla 3.5 muestra los datos integrados del SEM clasificados para las celdas de las zonas con membrana durante el período 23-27 de junio de 2025. La tabla 3.6 muestra los datos integrados del SEM clasificados para las celdas de las zonas con interfaz de cubierta de membrana/suelo durante el período 23-27 de junio de 2025. La tabla 3.7 muestra los datos integrados del SEM clasificados para las celdas de las zonas con excesos durante el período 23-27 de junio de 2025. La tabla 3.8 muestra los datos integrados del SEM clasificados para las celdas de las zonas reactivas de los análisis de datos de legado durante el período 23-27 de junio de 2025. La fila de la celda real probada en cada tabla se resalta en amarillo.

La estructura de las Tablas 3.1 a 3.8 es de la siguiente manera:

- Columna 1: designación numérica de la celda de la cuadrícula.
- Columna 2: área de la superficie de cada celda de la cuadrícula (cada celda de la cuadrícula nominalmente es de 50,000 pies cuadrados, pero para este análisis, se utiliza el área exacta de cada celda de la cuadrícula).
- Columna 3: valores del SEM integrados (respuesta de FID como ppmv de metano) para cada el de SEM del 23-27 de junio de 2025.
- Columna 4: promedio acumulado de todas las celdas de la cuadrícula por encima de la celda de la cuadrícula en cuestión.
- Columna 5: porcentaje del total de la celda de la cuadrícula en el agrupamiento de celdas de la cuadrícula.
 - Los objetivos son: El 16.7% para el grupo alto (es el punto medio del punto superior del 33% de emisiones que representa el grupo alto), el 50% para el grupo medio y el 83.3% para el grupo bajo.

Tabla 3.1 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (23 -27 de junio de 2025) (ppmv de metano del FID); **Celdas de Emisiones Altas.**

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies ²)	Integrada. Valor Fid (ppmv)	Acumulativo Valor Integrado	Fracción del Total
240	48,923	24.95	24.95	1%
41	58,579	24.88	49.83	3%
226	48,737	24.1	73.93	4%
219	49,910	24	97.93	6%
230	49,427	23.65	121.58	7%
58	46,507	23.3	144.88	8%
55	58,851	23.19	168.07	10%
31	55,775	22.57	190.64	11%
32	55,304	22.4	213.04	12%
67	47,130	22.05	235.09	14%
50	61,680	21.55	256.64	15%
232	49,006	21.31	277.95	16%
46	57,683	21.09	299.04	17%
74	50,957	20.94	319.98	19%
224	47,895	20.6	340.58	20%
59	53,384	20.55	361.13	21%
220	49,909	20.24	381.37	22%
218	52,805	20.17	401.54	23%
68	47,853	20.12	421.66	25%
227	45,403	19.75	441.41	26%
93	88,479	19.43	460.84	27%
73	55,815	19.4	480.24	28%
70	55,632	19.25	499.49	29%
223	48,150	19.12	518.61	30%
62	60,736	18.64	537.25	31%
130	34,533	18.03	555.28	32%
71	43,736	18.01	573.29	33%

Nota: Esta celda de la cuadrícula de prueba se utilizó tanto para los métodos de análisis de datos de Alta Resolución como de Legado. La fila de la celda real probada en esta tabla (Número de Identificación de Celda de 232 de la Cuadrícula) se resalta en amarillo.

Tabla 3.2 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (23 -27 de junio de 2025) (ppmv de metano del FID); **Celdas de Emisiones Medias.**

Cuadrícula	Área de la Superficie (pies²)	Valor Fid Int. (ppmv)	Acumulativo	Fracción del Total
124	43,289	17.82	591.11	34%
95	49,782	17.23	608.34	35%
228	32,278	17.23	625.57	36%
45	58,267	17.19	642.76	37%
44	35,715	17.13	659.89	38%
48	55,467	16.91	676.8	39%
49	55,750	16.8	693.6	40%
60	58,550	16.72	710.32	41%
63	57,567	16.52	726.84	42%
56	61,386	16.51	743.35	43%
137	45,071	16.5	759.85	44%
40	56,878	16.34	776.19	45%
64	51,169	16.23	792.42	46%
65	58,090	16.17	808.59	47%
123	37,280	15.91	824.5	48%
248	42,748	15.87	840.37	49%
131	41,070	15.85	856.22	50%
86	43,299	15.67	871.89	51%
81	48,343	15.53	887.42	52%
38	60,634	15.36	902.78	53%
246	49,934	15.24	918.02	53%
34	55,632	14.53	932.55	54%
229	49,011	14.22	946.77	55%
61	58,640	13.95	960.72	56%
135	43,154	13.89	974.61	57%
30	53,460	13.62	988.23	58%
103	44,432	13.5	1001.73	58%
237	30,995	13.45	1015.18	59%
97	42,564	13.36	1028.54	60%
42	57,899	13.22	1041.76	61%
43	55,491	12.73	1054.49	61%
250	47,494	12.62	1067.11	62%
84	48,990	12.37	1079.48	63%
101	42,395	12.3	1091.78	64%
98	41,663	12.25	1104.03	64%
39	62,100	11.73	1115.76	65%
53	60,197	11.68	1127.44	66%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron tanto para los métodos de análisis de datos de Alta Resolución como de Legado. La fila de las celdas reales probadas en esta tabla (Números de Identificación de Celda 131 y 86 de la Cuadrícula) se resalta en amarillo.

Tabla 3.3 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (23 -27 de junio de 2025) (ppmv de metano del FID); Celdas de Emisiones Bajas.

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies ²)	Integrada. Valor Fid (ppmv)	Valor Integrado Acumulado	Fracción del Total
85	45,482	11.35	1138.79	66%
245	39,969	11.28	1150.07	67%
233	49,820	11.2	1161.27	68%
249	52,520	11.17	1172.44	68%
25	58,414	10.96	1183.4	69%
247	50,770	10.67	1194.07	70%
238	31,614	10.53	1204.6	70%
37	57,548	10.44	1215.04	71%
24	55,473	10.36	1225.4	71%
119	46,712	10.3	1235.7	72%
36	60,138	10.26	1245.96	73%
47	56,104	10.03	1255.99	73%
100	44,490	10.03	1266.02	74%
28	39,741	9.89	1275.91	74%
221	45,169	9.86	1285.77	75%
20	53,895	9.8	1295.57	75%
11	55,395	9.77	1305.34	76%
19	57,192	9.71	1315.05	77%
104	42,522	9.61	1324.66	77%
35	56,295	9.12	1333.78	78%
12	55,625	9.05	1342.83	78%
105	47,304	9.03	1351.86	79%
17	54,072	9.02	1360.88	79%
16	60,337	8.94	1369.82	80%
18	42,901	8.87	1378.69	80%
117	42,797	8.75	1387.44	81%
111	54,270	8.61	1396.05	81%
26	54,472	8.58	1404.63	82%
116	39,267	8.57	1413.2	82%
133	44,845	8.56	1421.76	83%
136	33,845	8.56	1430.32	83%
66	45,494	8.47	1438.79	84%
108	52,575	8.41	1447.2	84%
110	55,586	8.4	1455.6	85%
118	45,475	8.29	1463.89	85%
1	42,205	8.25	1472.14	86%
14	57,525	8.25	1480.39	86%
15	55,063	8.21	1488.6	87%
2	45,352	8.19	1496.79	87%
109	55,703	8.18	1504.97	88%
23	56,405	8.05	1513.02	88%
106	50,785	7.97	1520.99	89%
22	58,442	7.92	1528.91	89%
134	43,452	7.89	1536.8	90%
107	22,162	7.88	1544.68	90%
102	45,969	7.8	1552.48	90%
3	50,019	7.52	1560	91%
29	43,858	7.52	1567.52	91%
216	50,931	7.45	1574.97	92%
222	47,335	6.74	1581.71	92%
27	59,711	6.7	1588.41	93%
126	48,416	6.23	1594.64	93%
21	72,168	6.2	1600.84	93%
138	46,590	6.1	1606.94	94%
115	52,538	5.8	1612.74	94%
142	46,169	5.63	1618.37	94%
139	46,331	5.6	1623.97	95%
140	42,878	5.58	1629.55	95%
127	48,271	5.55	1635.1	95%
144	68,243	5.5	1640.6	96%
143	48,041	5.43	1646.03	96%
141	41,413	5.39	1651.42	96%
121	46,453	5.3	1656.72	97%
120	46,799	5.29	1662.01	97%
128	48,480	5.29	1667.3	97%
129	46,067	5.27	1672.57	97%
217	53,205	5.23	1677.8	98%
10	66,970	5.2	1683	98%
132	43,711	5.2	1688.2	98%
112	46,549	5.19	1693.39	99%
113	31,853	5.08	1698.47	99%
122	45,247	4.7	1703.17	99%
114	58,149	4.4	1707.57	99%
125	46,593	4.4	1711.97	100%
231	50,572	4.3	1716.27	100%

Nota: Esta celda de la cuadrícula de prueba se utilizó tanto para los métodos de análisis de datos de Alta Resolución como de Legado. La fila de la celda real probada en esta tabla (Número de Identificación de Celda de 133 de la Cuadrícula) se resalta en amarillo.

Tabla 3.4 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona de Interfaz de los Cobertores de Membrana/Suelo (23 - 27 de junio de 2025) (ppmv de metano del FID); **Todas las Celdas.**

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies²)	Valor FID Integrado (ppmv)	Valor Integrado Acumulado	Fracción del Total
75	51,225	19.75	19.75	13%
165	79,844	13.1	32.85	22%
146	45,166	10.65	43.5	29%
209	60,969	10.58	54.08	36%
158	49,522	10.4	64.48	42%
211	59,725	9.73	74.21	49%
168	59,314	9.6	83.81	55%
164	61,548	9.54	93.35	61%
151	43,622	9.4	102.75	68%
152	42,032	8.3	111.05	73%
76	48,758	8.1	119.15	78%
170	55,737	7.38	126.53	83%
77	99,941	7.3	133.83	88%
167	62,172	6.48	140.31	92%
78	82,334	6.1	146.41	96%
212	58,054	5.4	151.81	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el método de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 75, 76, 158 y 211 de la Cuadrícula) se resaltan en amarillo.

Tabla 3.5 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona de Membrana (23 - 27 de junio de 2025) (ppmv de metano del FID); **Todas las Celdas.**

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies²)	Integrada. Valor Fid (ppmv)	Valor Integrado Acumulado	Fracción del Total
178	50,014	21.92	21.92	7%
156	47,581	14.6	36.52	11%
157	45,578	13.4	49.92	16%
192	40,754	12.36	62.28	19%
204	54,296	12	74.28	23%
186	46,611	11.67	85.95	27%
191	44,606	11.29	97.24	30%
207	62,754	11.13	108.37	34%
175	50,430	10.4	118.77	37%
190	44,958	10.23	129	40%
193	38,070	10.19	139.19	43%
173	49,960	9.5	148.69	46%
177	47,454	9.45	158.14	49%
176	52,356	9.33	167.47	52%
200	46,964	9.27	176.74	55%
187	47,666	9.2	185.94	58%
210	62,428	9.2	195.14	61%
181	49,379	9.11	204.25	64%
189	49,163	8.51	212.76	66%
172	44,946	8.4	221.16	69%
183	54,617	8.4	229.56	72%
208	70,031	8.4	237.96	74%
182	52,362	8.29	246.25	77%
188	50,699	8.12	254.37	79%
203	51,487	8.11	262.48	82%
169	54,459	8.08	270.56	84%
174	48,344	7.67	278.23	87%
202	45,736	7.41	285.64	89%
205	42,679	6.71	292.35	91%
185	50,993	6.26	298.61	93%
206	61,365	6.17	304.78	95%
179	48,176	5.63	310.41	97%
184	51,245	5.3	315.71	98%
180	51,775	5.06	320.77	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el método de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 183 y 204 de la Cuadrícula) se resaltan en amarillo.

Tabla 3.6 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona Reactiva (23 -27 de junio de 2025) (ppmv de metano del FID); **Todas las Celdas.**

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies²)	Integrada. Valor Fid (ppmv)	Valor Integrado Acumulado	Fracción del Total
214	40,386	23.12	23.12	6%
90	53,791	22.6	45.72	13%
213	46,753	21.73	67.45	19%
159	56,972	21.14	88.59	24%
155	44,022	20.4	108.99	30%
199	52,647	20.25	129.24	36%
194	71,501	18.73	147.97	41%
197	56,626	18.35	166.32	46%
195	44,221	17.43	183.75	51%
160	66,546	16.5	200.25	55%
83	38,592	14.7	214.95	59%
215	40,916	14.11	229.06	63%
82	42,779	12.62	241.68	67%
147	45,961	10.95	252.63	70%
148	50,546	10.44	263.07	72%
153	45,864	9.56	272.63	75%
166	56,594	9.32	281.95	78%
154	54,536	8.89	290.84	80%
149	56,413	8.73	299.57	82%
89	47,690	8.6	308.17	85%
88	47,618	8.26	316.43	87%
163	50,009	7.45	323.88	89%
162	60,853	7.03	330.91	91%
96	45,229	6.3	337.21	93%
79	87,028	6.23	343.44	95%
196	52,053	5.94	349.38	96%
198	58,685	4.96	354.34	98%
99	46,820	4.6	358.94	99%
161	60,199	4.3	363.24	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el método de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 149, 195, 197 y 213 de la Cuadrícula) se resaltan en amarillo.

Tabla 3.7 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona con Excedencias (23 - 27 de junio de 2025) (ppmv de metano del FID); **Todas las Celdas.**

Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies²)	Integrada. Valor Fid (ppmv)	Valor Integrado Acumulado	Fracción del Total
150	70,989	140	140	15%
145	60,197	80.49	220.49	23%
57	58,263	79.7	300.19	32%
80	46,342	68.13	368.32	39%
92	47,660	59.3	427.62	45%
87	58,663	47.75	475.37	50%
243	45,926	43.68	519.05	55%
91	47,895	39.37	558.42	59%
241	49,029	38.95	597.37	63%
244	45,884	38.53	635.9	67%
54	53,298	35.79	671.69	71%
242	45,188	32.31	704	74%
94	57,008	30.45	734.45	77%
239	49,597	30.4	764.85	80%
51	62,750	28.8	793.65	83%
33	50,273	27.6	821.25	86%
52	55,676	27	848.25	89%
201	47,960	26.78	875.03	92%
69	52,221	25.92	900.95	95%
72	59,809	25.36	926.31	97%
225	38,630	25.12	951.43	100%

Nota: Esta celda de la cuadrícula de prueba se utilizó tanto para los métodos de análisis de datos de Alta Resolución como de Legado. La fila de la celda real probada en esta tabla (Número de Identificación de Celda de 87 de la Cuadrícula) se resalta en amarillo.

Tabla 3.8 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona Reactiva (23 -27 de junio de 2025) (ppmv de metano del FID); **Todas las Celdas.**

Id. de la celda de la cuadrícula Número	Area de la superficie de la celda (ft2)	Integrada valor FID (ppmv)	Valor integrado acumulado	Fraction of Total
214	40,386	23.12	23.12	3%
90	53,791	22.6	45.72	5%
178	50,014	21.92	67.64	8%
213	46,753	21.73	89.37	11%
159	56,972	21.14	110.51	13%
155	44,022	20.4	130.91	16%
199	52,647	20.25	151.16	18%
75	51,225	19.75	170.91	20%
194	71,501	18.73	189.64	23%
197	56,626	18.35	207.99	25%
195	44,221	17.43	225.42	27%
160	66,546	16.5	241.92	29%
83	38,592	14.7	256.62	31%
156	47,581	14.6	271.22	32%
215	40,916	14.11	285.33	34%
157	45,578	13.4	298.73	36%
165	79,844	13.1	311.83	37%
82	42,779	12.62	324.45	39%
192	40,754	12.36	336.81	40%
204	54,296	12	348.81	42%
186	46,611	11.67	360.48	43%
191	44,606	11.29	371.77	44%
207	62,754	11.13	382.9	46%
147	45,961	10.95	393.85	47%
146	45,166	10.65	404.5	48%
209	60,969	10.58	415.08	50%
148	50,546	10.44	425.52	51%
175	50,430	10.4	435.92	52%
158	49,522	10.4	446.32	53%
190	44,958	10.23	456.55	55%
193	38,070	10.19	466.74	56%
211	59,725	9.73	476.47	57%
168	59,314	9.6	486.07	58%
153	45,864	9.56	495.63	59%
164	61,548	9.54	505.17	60%
173	49,960	9.5	514.67	62%
177	47,454	9.45	524.12	63%
151	43,622	9.4	533.52	64%
176	52,356	9.33	542.85	65%
166	56,594	9.32	552.17	66%
200	46,964	9.27	561.44	67%
187	47,666	9.2	570.64	68%
210	62,428	9.2	579.84	69%
181	49,379	9.11	588.95	70%
154	54,536	8.89	597.84	72%
149	56,413	8.73	606.57	73%
89	47,690	8.6	615.17	74%
189	49,163	8.51	623.68	75%
172	44,946	8.4	632.08	76%
183	54,617	8.4	640.48	77%
208	70,031	8.4	648.88	78%
152	42,032	8.3	657.18	79%
182	52,362	8.29	665.47	80%
88	47,618	8.26	673.73	81%
188	50,699	8.12	681.85	82%
203	51,487	8.11	689.96	83%
76	48,758	8.1	698.06	84%
169	54,459	8.08	706.14	84%
174	48,344	7.67	713.81	85%
163	50,009	7.45	721.26	86%
202	45,736	7.41	728.67	87%
170	55,737	7.38	736.05	88%
77	99,941	7.3	743.35	89%
162	60,853	7.03	750.38	90%
205	42,679	6.71	757.09	91%
167	62,172	6.48	763.57	91%
96	45,229	6.3	769.87	92%
185	50,993	6.26	776.13	93%
79	87,028	6.23	782.36	94%
206	61,365	6.17	788.53	94%
78	82,334	6.1	794.63	95%
196	52,053	5.94	800.57	96%
179	48,176	5.63	806.2	96%
212	58,054	5.4	811.6	97%
184	51,245	5.3	816.9	98%
180	51,775	5.06	821.96	98%
198	58,685	4.96	826.92	99%
99	46,820	4.6	831.52	99%
161	60,199	4.3	835.82	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el método de análisis de datos de Legado. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 75, 76, 158 y 204 de la Cuadrícula) se resaltan en amarillo. Las celdas de esta cuadrícula resaltadas en verde fueron analizadas, pero solo se utilizaron para el Análisis de Alta Resolución y no para el Análisis de Legado.

Las celdas de prueba de la zona no reactiva (consulte las Tablas 3.1 a 3.3) fueron seleccionadas inicialmente organizando los datos integrados del SEM por promedio (Columna 3) y dividiendo los datos resultantes en tres categorías: emisiones altas, emisiones medias y emisiones bajas. Desde allí, se seleccionaron las celdas promedio de cada grupo para realizar las pruebas. Estas celdas están resaltadas en amarillo en las Tablas 3.1 a 3.8 de arriba.

Se utilizó un proceso similar para las celdas de prueba de la zona reactiva (consulte la Tabla 3.4). Se seleccionó una celda de la cuadrícula para probarla desde el área de excesos. Las celdas de prueba de la zona reactiva sin excesos se seleccionaron inicialmente separando los datos en grupos de emisiones altas, medias y bajas. Se seleccionaron las celdas promedio de cada grupo para realizar las pruebas. El lunes 14 de julio de 2025 el Vertedero fue evacuado para realizar la selección final de las celdas. Este proceso de selección final fue necesario para verificar si se podía acceder a una celda seleccionada para probarla o si no era representativa. Para el primer evento, todas las celdas seleccionadas inicialmente fueron apropiadas el análisis. Se debe tener en cuenta que puede evaluarse cualquier celda y prorratearse utilizando esta metodología; se utilizaron las celdas de emisiones promedio porque deberían dar los resultados más exactos.

Cómo Seleccionar Puntos de Prueba en una Celda

Utilizando banderas de estudio, se recorrió la ruta en forma de serpentina indicada en la Regla 1150.1 en una celda y se anotaron periódicamente las lecturas de Ionización de llama detecto de ionización de llama (FID) en banderas plantadas y las formas de datos de estudio del campo indicadas en el Apéndice 2.

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

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

La Tabla 3.6 muestra las celdas de la cuadrícula de prueba seleccionada junto con las métricas de la zona.

Tabla 3.9 Métricas del Área de las Celdas de la Cuadrícula de Prueba Seleccionada. [Análisis de Datos de Alta Resolución](#)

Categoría	Subconjunto	Rep.	Rep. del Área	
		Celda	(pies²)	(m²)
Zona de Excesos		87	1,103,258	102,496
Zona Reactiva	Alto	213	241,924	22,475
Zona Reactiva	Medio	197	371,049	34,472
Zona Reactiva	Medio	195		
Zona Reactiva	Bajo	149	908,877	84,437
Membrana	Alto	204	623,066	57,885
Membrana	Bajo	183	1,086,870	100,974
Resistencia de la interfaz	Alto	75	176,235	16,373
Resistencia de la interfaz	Medio	158	229,530	21,324
Resistencia de la interfaz	Medio	211		
Resistencia de la interfaz	Bajo	76	554,198	51,487
Zona No Reactiva	Alto	232	1,422,799	132,182
Zona No Reactiva	Medio	131	1,836,684	170,634
Zona No Reactiva	Medio	86		
Zona No Reactiva	Bajo	133	3,704,751	344,183
Área No SEM			646,053	60,020
Total			12,905,294	1,198,941

Tabla 3.10 Métricas del Área de las Celdas de la Cuadrícula de Prueba Seleccionada. [Análisis de Datos de Legado](#)

Categoría	Subcon junto	Rep.	Rep. del Área	
		Celda	(pies ²)	(m ²)
Zona de Excesos		87	1,103,258	102,496
Zona Reactiva	Alto	75	720,877	66,972
Zona Reactiva	Medio	204	1,320,197	122,650
Zona Reactiva	Medio	158		
Zona Reactiva	Bajo	76	2,150,675	199,804
Zona No Reactiva	Alto	232	1,422,799	132,182
Zona No Reactiva	Medio	131	1,836,684	170,634
Zona No Reactiva	Medio	86		
Zona No Reactiva	Bajo	133	3,704,751	344,183
Área No SEM			646,053	60,020
Total			12,905,294	1,198,941

Nota: El área representada por los tres conjuntos de celdas de control (Zona Media, Zona No Reactiva Alta y Zona No Reactiva Media) es la misma para cada conjunto de dos celdas de control.

4. Resultados de la Toma de Muestras

Todas las muestras del Quinto Evento de Prueba se realizaron el 15-23 de julio de 2025. La Tabla 4.1 presenta datos de las muestras para compuestos clave: metano y VOCs (TNMHC). En el Adjunto 1 se proporcionan los datos completos con comentarios de aseguramiento de la calidad/control de calidad (QA/QC) y los cálculos (**Memorándum Técnico de Validación de Datos (DVTM)**). La ubicación 1 representa la medición de la cuadrícula de emisiones bajas, la ubicación 2 representa la medición de la cuadrícula de emisiones medias, la ubicación 3 representa la medición de la cuadrícula de emisiones medias, la ubicación 4 representa la medición de la cuadrícula de emisiones más altas.

La Tabla 4.2 muestra el flujo calculado para los compuestos de TO-15 que fueron detectados por lo menos una vez en el set de datos. Las no detecciones se asumieron como valores de MDL/2. Las Tablas 4.3 y 4.4 muestran los resultados de TO-14 y ORS (Método 307-91 del SCAQMD) respectivamente. La lista completa de todos los compuestos objetivo se encuentra en el DVTM. Las concentraciones de compuestos identificados tentativamente (TIC) se muestran en los informes del laboratorio proporcionados en el Apéndice C del Adjunto 2.

Tabla 4.1 - Resumen de Resultados de las Muestras.

Sitio de Prueba	LOC	TO-15	SMS	Metano	Dilución de carbono	H2rógeno	TO-12/TNMHC C		L3 OFA	Flujo Total	Flujo Total	Flujo de Metano	Flujo de Dióxido de Carbono	Flujo de TNMHC		
		Código	Código A.B	(ppmv)	(ppmv)	(ppmv)	(ppmv)		(ppmv)	(lpm)	(m3/min)	mg/m3	mg/m3	mg/m3		
Celda No. 87 de la Cuadrícula	1	T-101	S-101	4.58	1.337	ND	ND	U	86.2	11.7	0.0017	0.080	210	0.0013 U		
Celda No. 87 de la Cuadrícula	2	T-102	S-102	2.38	1.182	ND	48.5	2	142	7.32	0.0010	0.087	118	0.0008 J		
Celda No. 87 de la Cuadrícula	3	T-103	S-103	46.45	455	ND	ND	U	186	9.61	0.0086	1.207	62	0.0011 U		
Celda No. 87 de la Cuadrícula	4	T-104	S-104	346.1	2177	ND	187	188	6.19	0.0049	186.884	237	0.0008			
Celda No. 75 de la Cuadrícula	1	T-105	S-105	ND	836	ND	60.59	2	185	1.62	0.0062	0.011	ND	64	0.0017 J	
Celda No. 75 de la Cuadrícula	2	T-106	S-106	ND	764	ND	ND	U	187	6.23	0.0023	0.012	ND	66	0.0007 U	
Celda No. 75 de la Cuadrícula	3	T-107	S-107	1.62	861	ND	137.1		125	8.32	0.0083	0.088	105	0.0006		
Celda No. 75 de la Cuadrícula	4	T-108	S-108	50	1.089	ND	138.8	J	101.6	20.1	0.0091	0.088	114	0.0008 J		
Celda No. 75 de la Cuadrícula	1	T-109	S-109	ND	ND	ND	48.5	2	185	6.39	0.0030	0.012	ND	6	0.0013 J	
Celda No. 75 de la Cuadrícula	2	T-110	S-110	ND	385	ND	62.7	2	188	1.53	0.0013	0.010	ND	29	0.0017 J	
Celda No. 75 de la Cuadrícula	3	T-111	S-111	2.34	788	ND	62.87	J	171.1	18.4	0.0084	0.424	187	0.0006 J		
Celda No. 75 de la Cuadrícula	4	T-112	S-112	203.80	1.820	ND	171		145	7.17	0.0011	7.821	183	0.0006		
Celda No. 75 de la Cuadrícula	4	T-113	S-113	260.53	865	ND	171		180	6.30	0.0020	0.078	93	0.0012		
Medio en Blanco	NA	S-114	S-114	ND	ND	ND	ND	U	181	1.41	0.0041	0.011	ND	6	0.0006 U	
Celda No. 211 de la Cuadrícula	1	T-101	S-101	ND	1.012	ND	79.8	J	171	6.88	0.0068	0.011	ND	87	0.0012 J	
Celda No. 211 de la Cuadrícula	2	T-102	S-102	0.46	884	ND	74.2	J	186	6.17	0.0047	0.010	90	0.0008 J		
Celda No. 211 de la Cuadrícula	3	T-103	S-103	ND	ND	ND	58.2	J	184	1.10	0.0010	0.009	ND	5	0.0012 J	
Celda No. 211 de la Cuadrícula	4	T-104	S-104	ND	ND	ND	57.52	J	180	6.84	0.0049	0.012	ND	7	0.0009 J	
Celda No. 204 de la Cuadrícula	1	T-105	S-105	ND	ND	ND	93.2	J	185	1.62	0.0042	0.010	ND	6	0.0008 J	
Celda No. 204 de la Cuadrícula	2	T-106	S-106	ND	ND	ND	54.12	J	119	8.74	0.0011	0.010	ND	9	0.0012 J	
Celda No. 204 de la Cuadrícula	3	T-107	S-107	ND	ND	ND	128.5	J	181	1.75	0.0011	0.011	ND	6	0.0006 U	
Celda No. 204 de la Cuadrícula	4	T-108	S-108	ND	ND	ND	ND	U	183	1.64	0.0049	0.011	ND	6	0.0006 U	
Celda No. 183 de la Cuadrícula	1	T-109	S-109	ND	ND	ND	232		188	1.53	0.0013	0.010	ND	6	0.0006	
Celda No. 183 de la Cuadrícula	2	T-110	S-110	ND	ND	ND	77.7	J	189	1.15	0.0011	0.011	ND	6	0.0012 J	
Celda No. 183 de la Cuadrícula	3	T-111	S-111	ND	ND	ND	107.1	J	181	1.75	0.0011	0.011	ND	6	0.0008 J	
Celda No. 183 de la Cuadrícula	4	T-112	S-112	ND	ND	ND	118.8	J	186	1.19	0.0010	0.010	ND	5	0.0008 J	
Celda No. 183 de la Cuadrícula	4	T-113	S-113	ND	ND	ND	81.5	J	173	6.01	0.0004	0.011	ND	6	0.0004 J	
Medio en Blanco	NA	T-114	S-114	ND	ND	ND	ND	U	175	1.94	0.0004	0.011	ND	6	0.0007 J	
Celda No. 212 de la Cuadrícula	1	T-101	S-101	1.38	1.347	ND	161.07		111	6.17	0.0017	0.086	183	0.0019		
Celda No. 212 de la Cuadrícula	2	T-102	S-102	87.46	1.016	ND	174.86		126	1.67	0.0017	1.264	74	0.0009		
Celda No. 212 de la Cuadrícula	3	T-103	S-103	1.30	958	ND	ND	U	186	1.59	0.0018	0.017	78	0.0006 U		
Celda No. 212 de la Cuadrícula	4	T-104	S-104	0.12	827	ND	116.82		187	6.12	0.0040	0.012	75	0.0004		
Celda No. 197 de la Cuadrícula	1	T-105	S-105	10.76	1.446	ND	161.9	J	128	8.21	0.0001	0.428	107	0.0009 J		
Celda No. 195 de la Cuadrícula	1	T-109	S-109	0.07	786	ND	175		181	1.75	0.0011	0.010	108	0.0007		
Celda No. 195 de la Cuadrícula	2	T-110	S-110	1.36	1.373	ND	126.4	J	140	7.43	0.0016	0.045	126	0.0042 J		
Celda No. 195 de la Cuadrícula	3	T-111	S-111	1.47	852	ND	73.04	J	124	8.39	0.0009	0.017	91	0.0008 J		
Celda No. 195 de la Cuadrícula	4	T-112	S-112	ND	817	ND	1.086		181	6.46	0.0046	0.011	ND	69	0.1788	
Celda No. 195 de la Cuadrícula	4	T-113	S-113	ND	860	ND	111.7	J	183	1.13	0.0011	0.010	ND	10	0.0011 J	
Medio en Blanco	NA	T-114	S-114	ND	ND	ND	ND	U	185	1.33	0.0013	0.010	ND	6	0.0006 U	
Celda No. 158 de la Cuadrícula	1	T-401	S-401	1.77	588	ND	128.41	J	120	8.67	0.0067	0.077	71	0.0008 J		
Celda No. 158 de la Cuadrícula	2	T-402	S-402	3.32	844	ND	84.38	J	141	7.18	0.0018	0.126	66	0.0012 J		
Celda No. 158 de la Cuadrícula	3	T-403	S-403	ND	101	ND	ND	U	186	1.31	0.0011	0.010	ND	26	0.0006 U	
Celda No. 158 de la Cuadrícula	4	T-404	S-404	2.19	588	ND	ND	U	146.3	11.1	0.0111	0.146	90	0.0012 U		
Celda No. 149 de la Cuadrícula	1	T-405	S-405	ND	162	ND	89.47	J	179	1.81	0.0001	0.011	ND	28	0.0015 J	
Celda No. 149 de la Cuadrícula	2	T-406	S-406	1.01	488	ND	ND	U	144	7.22	0.0012	0.016	47	0.0008 U		
Celda No. 149 de la Cuadrícula	3	T-407	S-407	6.78	351	ND	74.96	J	198	1.25	0.0012	0.176	25	0.0020 J		
Celda No. 149 de la Cuadrícula	4	T-408	S-408	275.25	899	ND	119.1	J	171	6.08	0.0068	8.361	75	0.0036 J		
Celda No. 149 de la Cuadrícula	4	T-409	S-409	272.97	937	ND	99.72	J	175	1.94	0.0014	8.089	76	0.0030 J		
Medio en Blanco	NA	T-410	S-410	ND	ND	ND	ND	U	205	1.07	0.0017	0.008	ND	4	0.0006 J	
Celda No. 131 de la Cuadrícula	1	T-501	S-501	ND	105	ND	89.66	J	183	1.68	0.00168	0.010	ND	13	0.0016 J	
Celda No. 131 de la Cuadrícula	2	T-502	S-502	ND	333	ND	74.18	J	171	6.08	0.00608	0.012	ND	28	0.0023 J	
Celda No. 131 de la Cuadrícula																
Celda No. 131 de la Cuadrícula	3	T-503	S-503	ND	101	ND	ND	U	145	1.62	0.00162	0.010	ND	13	0.0006 U	
Celda No. 131 de la Cuadrícula	4	T-504	S-504	ND	111	ND	ND	U	146	6.27	0.00127	0.010	ND	44	0.0007 U	
Celda No. 131 de la Cuadrícula	1	T-505	S-505	ND	101	ND	ND	U	145	6.30	0.00160	0.010	ND	17	0.0007 U	
Celda No. 131 de la Cuadrícula	2	T-506	S-506	ND	110	ND	ND	U	176	1.91	0.0001	0.011	ND	17	0.0007 U	
Celda No. 131 de la Cuadrícula	3	T-507	S-507	ND	104	ND	61.36	J	118	6.18	0.00018	0.010	ND	23	0.0011 J	
Celda No. 131 de la Cuadrícula	4	T-508	S-508	ND	116	ND	ND	U	131	7.82	0.00162	0.010	ND	24	0.0009 U	
Celda No. 131 de la Cuadrícula	4	T-509	S-509	ND	117	ND	118.17	J	187	1.64	0.00164	0.011	ND	21	0.0011 J	
Medio en Blanco	NA	T-510	S-510	ND	ND	ND	ND	U	184	1.01	0.00101	0.010	ND	6	0.0006 J	
Celda No. 81 de la Cuadrícula	1	T-601	S-601	1.41	716	ND	101.46	J	118	6.14	0.0014	0.010	49	0.0011 J		
Celda No. 81 de la Cuadrícula	2	T-602	S-602	1.11	1.016	ND	148.14		170	6.12	0.0012	0.012	99	0.0007		
Celda No. 81 de la Cuadrícula	3	T-603	S-603	1.19	1.015	ND	144.16		136	7.61	0.00161	0.010	114	0.0011		
Celda No. 81 de la Cuadrícula	4	T-604	S-604	1.1	988	ND	ND	U	146	1.59	0.00109	0.010	78	0.0006 U		
Celda No. 232 de la Cuadrícula	1	T-605	S-605	1.17	810	ND	110.89		111.8	11.8	0.0118	0.010	111	0.0008		
Celda No. 232 de la Cuadrícula	2	T-606	S-606	1.71	1.017	ND	41.16	J	149	6.11	0.0011	0.010	84	0.0014 J		
Celda No. 232 de la Cuadrícula	3	T-607	S-607	116.09	1.171	ND	116.37		111.0	11.0	0.0110	0.010	187	0.0176		
Celda No. 232 de la Cuadrícula	4	T-608	S-608	148.71	1.116	ND	248.18		171.4	11.4	0.0114	11.117	119	0.0101		
Celda No. 232 de la Cuadrícula	4	T-609	S-609	111.14	1.016	ND	140.11		111.4	11.4	0.0111	11.146	114	0.0101		
Medio en Blanco	NA	T-610	S-610	ND	ND	ND	ND	U	140	1.69	0.00169	0.010	ND	7	0.0006 J	

Tabla 4.1 Notas: LOC = Ubicación, H2 = Hidrógeno, TNMHC = Hidrocarburos No Metanos Totales, He = Helio, CO2 = Dióxido de Carbono, mg/m3 = miligramos por metro cúbico, mg/min = miligramos por minuto, m3/min = metros cúbicos por minuto, m/min = metros por minuto, DT/m2, min = Diluciones hasta el límite (o Unidades de Olor) por metro cuadrado por minuto, ug/m2, min = microgramo por metro cuadrado por minuto, J = datos cuantificados cerca del límite de detección, Medio Blanco = datos para QA/QC (consulte el DVTM), Flujo = mg/m2-min o OU/m2-min.

Tabla 4.2a Compuestos TO-15 (Flujo en mg/m2-min solo para compuestos que tuvieron por lo menos una detección).

Número de Muestra	Compuesto	CAS	67-64-1	Acetona	2-Butanona (MEK)	78-93-3	67-56-1	Metanol	64-17-5	Etanol	99-87-6	Isopropilolueno	124-18-5	Decano	141-78-6	Acetato de etilo	109-99-9	Tetrahidrofurano	111-84-2	Nonano	115-07-1	Propileno	m, p-Xileno	1330-20-7	107-02-8	Acroleína	Benceno	71-43-2	95-47-6	o-Xileno	Tolueno
MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1																
T-101		0.00208	0.00018	0.00127	0.00091	<1.63E-04	<1.73E-04	<5.26E-05	<2.22E-05	<7.66E-05	<2.51E-05	<6.34E-05	0.00025	<1.65E-04	<6.34E-05	<1.12E-04															
T-102		0.00121	0.00011	0.00085	0.00035	<1.02E-04	<1.09E-04	<3.31E-05	<1.40E-05	<4.82E-05	<1.58E-05	<3.99E-05	<2.11E-05	<1.04E-04	<3.99E-05	<7.02E-05															
T-103		0.00109	0.00015	0.00144	0.00033	<1.39E-04	<1.47E-04	<4.49E-05	<1.89E-05	<6.54E-05	<2.15E-05	<5.42E-05	<2.86E-05	<1.41E-04	<5.42E-05	<9.54E-05															
T-104		0.00196	0.00015	0.00013	<7.66E-05	0.00305	0.00061	<2.89E-05	0.00020	0.00049	0.00198	0.00134	<1.84E-05	0.00029	0.00071	0.00101															
T-105		0.00032	<2.05E-05	0.00011	<6.62E-05	<7.74E-05	<8.20E-05	<2.50E-05	<1.05E-05	<3.64E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.86E-05	<3.01E-05	<5.31E-05															
T-106		0.00039	<2.25E-05	0.00014	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	<1.32E-05	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05															
T-107		<1.21E-04	<2.98E-05	0.00147	<9.63E-05	<1.12E-04	<1.19E-04	<3.64E-05	<1.53E-05	<5.29E-05	<1.74E-05	<4.38E-05	<2.31E-05	<1.14E-04	<4.38E-05	<7.72E-05															
T-108		0.00227	0.00036	0.00165	0.00329	<2.70E-04	<2.86E-04	<8.73E-05	<3.68E-05	<1.27E-04	<4.17E-05	<1.05E-04	0.00040	<2.74E-04	<1.05E-04	<1.85E-04															
T-109		<9.08E-05	<2.23E-05	<5.00E-05	<7.20E-05	<8.41E-05	<8.92E-05	<2.72E-05	<1.15E-05	<3.96E-05	<1.30E-05	<3.28E-05	<1.73E-05	<8.55E-05	<3.28E-05	<5.77E-05															
T-110		<8.19E-05	<2.01E-05	<4.51E-05	<6.50E-05	<7.59E-05	<8.04E-05	<2.45E-05	<1.03E-05	<3.57E-05	<1.17E-05	<2.96E-05	<1.56E-05	<7.71E-05	<2.96E-05	<5.21E-05															
T-111		0.00122	<1.35E-04	0.00171	<4.35E-04	<5.09E-04	<5.39E-04	<1.64E-04	<6.93E-05	<2.39E-04	<7.85E-05	<1.98E-04	<1.05E-04	<5.17E-04	<1.98E-04	<3.49E-04															
T-112		0.00058	0.00010	0.00018	<8.32E-05	<9.72E-05	<1.03E-04	<3.14E-05	<1.32E-05	<4.58E-05	0.00044	<3.79E-05	<2.00E-05	<9.87E-05	<3.79E-05	<6.67E-05															
T-113		0.00056	0.00010	0.00017	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	0.00042	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05															
T-114		<8.32E-05	<2.04E-05	<4.58E-05	<6.60E-05	<7.71E-05	<8.18E-05	<2.49E-05	<1.05E-05	<3.63E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.84E-05	<3.01E-05	<5.29E-05															
T-201		0.00036	<2.31E-05	<5.19E-05	<7.47E-05	<8.72E-05	<9.25E-05	<2.82E-05	<1.19E-05	<4.11E-05	<1.35E-05	<3.40E-05	<1.80E-05	<8.87E-05	<3.40E-05	<5.99E-05															
T-202		0.00067	0.00008	0.00038	<8.20E-05	<9.58E-05	<1.02E-04	<3.10E-05	<1.31E-05	<4.51E-05	<1.48E-05	<3.73E-05	<1.97E-05	<9.73E-05	<3.73E-05	<6.57E-05															
T-203		0.00018	<1.94E-05	<4.36E-05	<6.29E-05	<7.34E-05	<7.79E-05	<2.37E-05	<1.00E-05	<3.46E-05	<1.13E-05	<2.86E-05	<1.51E-05	0.00019	<2.86E-05	<5.04E-05															
T-204		<1.09E-04	<2.66E-05	<5.98E-05	<8.61E-05	<1.01E-04	<1.07E-04	<3.25E-05	<1.37E-05	<4.73E-05	<1.55E-05	<3.92E-05	<2.07E-05	<1.02E-04	<3.92E-05	<6.90E-05															
T-205		<8.51E-05	<2.09E-05	<4.69E-05	<6.75E-05	<7.89E-05	<8.36E-05	<2.55E-05	<1.08E-05	<3.71E-05	<1.22E-05	0.00011	<1.62E-05	<8.02E-05	<3.07E-05	<5.41E-05															
T-206		0.00035	<3.22E-05	<7.23E-05	<1.04E-04	<1.22E-04	<1.29E-04	<3.93E-05	<1.66E-05	<5.73E-05	<1.88E-05	<4.74E-05	<2.50E-05	<1.24E-04	<4.74E-05	<8.35E-05															
T-207		<8.56E-05	<2.10E-05	<4.71E-05	<6.79E-05	0.00066	<8.41E-05	<2.56E-05	<1.08E-05	<3.73E-05	0.00008	0.00022	<1.63E-05	0.00032	0.00008	0.00017															
T-208		<8.68E-05	<2.13E-05	<4.78E-05	<6.89E-05	<8.04E-05	<8.53E-05	<2.60E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.18E-05	<3.14E-05	<5.52E-05															
T-209		<8.23E-05	<2.02E-05	<4.53E-05	<6.53E-05	0.00039	<8.08E-05	<2.47E-05	<1.04E-05	<3.59E-05	<1.18E-05	0.00017	<1.57E-05	0.00057	0.00008	0.00013															
T-210		<9.14E-05	<2.24E-05	<5.04E-05	<7.26E-05	<8.47E-05	<8.99E-05	<2.74E-05	<1.16E-05	<3.99E-05	0.00005	<3.30E-05	<1.74E-05	<8.61E-05	<3.30E-05	<5.82E-05															
T-211		0.00019	<2.10E-05	<4.72E-05	<6.79E-05	<7.93E-05	<8.41E-05	<2.57E-05	<1.08E-05	<3.74E-05	0.00005	0.00009	<1.63E-05	0.00018	<3.09E-05	<5.45E-05															
T-212		<7.89E-05	<1.94E-05	<4.35E-05	<6.26E-05	0.00027	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00005	0.00012	<1.51E-05	0.00035	<2.85E-05	0.00012															
T-213		<8.86E-05	<2.17E-05	<4.88E-05	<7.03E-05	0.00033	<8.71E-05	<2.66E-05	<1.12E-05	<3.87E-05	0.00004	0.00015	<1.69E-05	0.00040	<3.20E-05	<5.64E-05															
T-214		<9.12E-05	<2.24E-05	<5.02E-05	0.00017	<8.45E-05	<8.96E-05	<2.73E-05	<1.15E-05	<3.98E-05	<1.30E-05	<3.29E-05	<1.74E-05	<8.58E-05	<3.29E-05	<5.80E-05															
T-301		0.00218	0.00143	0.00086	0.00028	0.00100	<1.42E-04	0.00072	<1.83E-05	<6.31E-05	0.00008	<5.22E-05	<2.76E-05	<1.36E-04	<5.22E-05	<9.19E-05															
T-302		0.00054	<1.96E-05	0.00047	<6.34E-05	<7.41E-05	<7.85E-05	<2.40E-05	<1.01E-05	<3.49E-05	0.00012	<2.89E-05	<1.53E-05	<7.35E-05	<2.89E-05	<5.08E-05															
T-303		0.00074	<2.12E-05	0.00106	<6.85E-05	<8.01E-05	<8.49E-05	<2.59E-05	<1.09E-05	<3.77E-05	0.00006	<3.12E-05	0.00025	<8.14E-05	<3.12E-05	<5.49E-05															
T-304		0.00048	0.00016	0.00019	<7.85E-05	<9.17E-05	<9.72E-05	<2.96E-05	0.00035	<4.32E-05	<1.42E-05	<3.57E-05	<1.89E-05	<9.32E-05	<3.57E-05	<6.29E-05															
T-305		0.00511	0.00197	0.00621	0.00045	0.00248	<1.49E-04	<4.54E-05	<1.91E-05	<6.61E-05	0.00012	<5.48E-05	0.00073	<1.43E-04	<5.48E-05	<9.64E-05															
T-306		0.01242	<7.92E-05	0.00637	0.00058	<2.99E-04	<3.17E-04	<9.68E-05	<4.08E-05	0.00297	0.00032	0.00430	<6.16E-05	0.00067	0.00207	<2.05E-04															
T-307		0.00197	0.00035	0.00218	<9.14E-05	<1.07E-04	<1.13E-04	0.00038	<1.46E-05	<5.03E-05	0.00046	<4.16E-05	0.00042	<4.16E-05	<7.33E-05	<7.33E-05															
T-308		<1.21E-04	<2.96E-05	0.00029	0.00022	<1.12E-04	<1.19E-04	<3.62E-05	<1.53E-05	<5.27E-05	0.00011	<4.36E-05	<2.30E-05	<1.14E-04	<4.36E-05	<7.68E-05															

Tabla 4.2b Compuestos TO-15 (Flujo en mg/m2-min solo para compuestos que tuvieron por lo menos una detección 4.2b.) (cont.).

Número de Muestra	Compuesto	1,2,4-Trinitrobenzeno															Etilbenzeno															4-Etiltolueno															Nalafina															Oxano															Cromeno															Ciclohexano															Hexano															Alcohol bencilico															Tricloroetano (TCE)															Disulfuro de carbono															Tetracloroetileno (PCE)															2-Hexano															1,3,5-Trinitrobenzeno															Etileno																													
		CAS 95-63-4															100-14-4															622-96-8															91-20-3															111-65-9															74-87-3															90-5															110-82-7															110-54-3															79-45-0															79-01-6															75-15-0															127-18-4															593-78-6															108-87-8															100-42-5														
		MW	120.2	106.2	120.2	128.2	114.2	90.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2																																																																																																																																																																																																																																
T-101		<1.46E-04	<6.34E-05	<1.46E-04	<3.87E-04	<6.82E-05	<4.57E-05	<2.59E-05	<5.15E-05	<4.43E-05	<1.90E-05	<4.54E-05	<2.40E-05	<5.98E-05	<1.46E-04	<9.43E-05																																																																																																																																																																																																																																	
T-102		<9.17E-05	<3.99E-05	<9.17E-05	<2.44E-04	<4.29E-05	<2.87E-05	<1.63E-05	<3.24E-05	<2.78E-05	<1.20E-05	<2.86E-05	<1.51E-05	<3.76E-05	<9.17E-05	<5.93E-05																																																																																																																																																																																																																																	
T-103		<1.24E-04	<5.42E-05	<1.24E-04	<3.31E-04	<5.82E-05	<3.90E-05	<2.21E-05	<4.40E-05	<3.78E-05	<1.62E-05	<3.88E-05	<2.05E-05	<5.11E-05	<1.24E-04	<8.05E-05																																																																																																																																																																																																																																	
T-104	0.00018	0.00034	0.00023	<2.13E-04	0.00017	<2.51E-05	<1.42E-05	<2.83E-05	0.00046	<1.05E-05	<2.50E-05	<1.32E-05	<3.29E-05	0.00017	<5.18E-05																																																																																																																																																																																																																																		
T-105		<6.93E-05	<3.01E-05	<6.93E-05	<1.84E-04	<3.24E-05	<2.17E-05	<1.23E-05	<2.45E-05	<2.10E-05	<9.04E-06	<2.16E-05	<1.14E-05	<2.84E-05	<6.93E-05	<4.48E-05																																																																																																																																																																																																																																	
T-106		<7.63E-05	<3.32E-05	<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<1.13E-05	<7.63E-05	<4.93E-05																																																																																																																																																																																																																																	
T-107		<1.01E-04	<4.38E-05	<1.01E-04	<2.68E-04	<4.71E-05	<3.16E-05	<1.79E-05	<3.56E-05	<3.06E-05	<1.31E-05	<3.14E-05	<1.66E-05	<4.13E-05	<1.01E-04	<6.51E-05																																																																																																																																																																																																																																	
T-108		<2.42E-04	<1.05E-04	<2.42E-04	<6.43E-04	<1.13E-04	<7.58E-05	<4.30E-05	<8.54E-05	<7.34E-05	<3.16E-05	<7.54E-05	<3.98E-05	<9.93E-05	<2.42E-04	<1.56E-04																																																																																																																																																																																																																																	
T-109		<7.53E-05	<3.28E-05	<7.53E-05	<2.00E-04	<3.53E-05	<2.36E-05	<1.34E-05	<2.66E-05	<2.29E-05	<9.83E-06	<2.35E-05	<1.24E-05	<3.09E-05	<7.53E-05	<4.87E-05																																																																																																																																																																																																																																	
T-110		<6.79E-05	<2.96E-05	<6.79E-05	<1.81E-04	<3.18E-05	<2.13E-05	<1.21E-05	<2.40E-05	<2.06E-05	<8.87E-06	<2.12E-05	<1.12E-05	<2.79E-05	<6.79E-05	<4.40E-05																																																																																																																																																																																																																																	
T-111		<4.55E-04	<1.98E-04	<4.55E-04	<1.21E-03	<2.13E-04	<1.43E-04	<8.10E-05	<1.61E-04	<1.38E-04	<5.95E-05	<1.42E-04	<7.50E-05	<1.87E-04	<4.55E-04	<2.95E-04																																																																																																																																																																																																																																	
T-112		<8.70E-05	<3.79E-05	<8.70E-05	<2.31E-04	<4.07E-05	<2.73E-05	<1.55E-05	<3.07E-05	<2.64E-05	<1.14E-05	<2.71E-05	<1.43E-05	<3.57E-05	<8.70E-05	<5.63E-05																																																																																																																																																																																																																																	
T-113		<7.63E-05	<3.32E-05	<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<1.13E-05	<7.63E-05	<4.93E-05																																																																																																																																																																																																																																	
T-114		<6.91E-05	<3.01E-05	<6.91E-05	<1.84E-04	<3.23E-05	<2.17E-05	<1.23E-05	<2.44E-05	<2.10E-05	<9.02E-06	<2.15E-05	<1.14E-05	<2.84E-05	<6.91E-05	<4.47E-05																																																																																																																																																																																																																																	
T-201		<7.81E-05	<3.40E-05	<7.81E-05	<2.08E-04	<3.66E-05	<2.45E-05	<1.39E-05	<2.76E-05	<2.37E-05	<1.02E-05	<2.44E-05	<1.29E-05	<3.21E-05	<7.81E-05	<5.06E-05																																																																																																																																																																																																																																	
T-202		<5.88E-05	<3.73E-05	<5.88E-05	<2.28E-04	<4.01E-05	<2.69E-05	<1.52E-05	<3.03E-05	<2.60E-05	<1.12E-05	<2.68E-05	<1.41E-05	<3.52E-05	<5.88E-05	<5.55E-05																																																																																																																																																																																																																																	
T-203		<6.58E-05	<2.86E-05	<6.58E-05	<1.75E-04	<3.08E-05	<2.06E-05	<1.17E-05	<2.32E-05	<2.00E-05	<8.59E-06	<2.05E-05	<1.08E-05	<2.70E-05	<6.58E-05	<4.26E-05																																																																																																																																																																																																																																	
T-204		<9.01E-05	<3.92E-05	<9.01E-05	<2.39E-04	<4.21E-05	<2.82E-05	<1.60E-05	<3.18E-05	<2.73E-05	<1.18E-05	<2.81E-05	<1.48E-05	<3.70E-05	<9.01E-05	<5.83E-05																																																																																																																																																																																																																																	
T-205		<7.07E-05	<3.07E-05	<7.07E-05	<1.88E-04	<3.31E-05	<2.22E-05	<1.26E-05	<2.50E-05	<2.15E-05	<9.22E-06	<2.20E-05	<1.16E-05	<2.90E-05	<7.07E-05	<4.57E-05																																																																																																																																																																																																																																	
T-206		<1.09E-04	<4.74E-05	<1.09E-04	<2.90E-04	<5.10E-05	<3.42E-05	<1.94E-05	<3.85E-05	<3.31E-05	<1.42E-05	<3.40E-05	<1.79E-05	<4.47E-05	<1.09E-04	<7.05E-05																																																																																																																																																																																																																																	
T-207		<7.10E-05	0.00007	<7.10E-05	<1.89E-04	<3.32E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.27E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.10E-05	<4.60E-05																																																																																																																																																																																																																																	
T-208		<7.21E-05	<3.14E-05	<7.21E-05	<1.92E-04	<3.37E-05	<2.26E-05	<1.28E-05	<2.54E-05	<2.19E-05	<9.40E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.21E-05	<4.66E-05																																																																																																																																																																																																																																	
T-209		<6.83E-05	0.00008	<6.83E-05	<1.82E-04	<3.20E-05	<2.14E-05	<1.21E-05	<2.41E-05	<2.07E-05	<8.91E-06	<2.13E-05	<1.12E-05	<2.80E-05	<6.83E-05	<4.82E-05																																																																																																																																																																																																																																	
T-210		<7.59E-05	<3.30E-05	<7.59E-05	<2.02E-04	<3.55E-05	<2.38E-05	<1.35E-05	<2.68E-05	<2.30E-05	<9.91E-06	<2.37E-05	<1.25E-05	<3.12E-05	<7.59E-05	<4.91E-05																																																																																																																																																																																																																																	
T-211		<7.11E-05	<3.09E-05	<7.11E-05	<1.89E-04	<3.33E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.28E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.11E-05	<4.60E-05																																																																																																																																																																																																																																	
T-212		<6.55E-05	<2.85E-05	<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05																																																																																																																																																																																																																																	
T-213		<7.36E-05	0.00007	<7.36E-05	<1.96E-04	<3.44E-05	<2.31E-05	<1.31E-05	<2.60E-05	<2.23E-05	<9.60E-06	<2.29E-05	<1.21E-05	<3.02E-05	<7.36E-05	<4.76E-05																																																																																																																																																																																																																																	
T-214		<7.57E-05	<3.29E-05	<7.57E-05	<2.01E-04	<3.54E-05	<2.37E-05	<1.34E-05	<2.67E-05	<2.30E-05	<9.88E-06	<2.36E-05	<1.25E-05	<3.11E-05	<7.57E-05	<4.89E-05																																																																																																																																																																																																																																	
T-301		<1.20E-04	<5.22E-05	<1.20E-04	<3.19E-04	<5.61E-05	<3.76E-05	<2.13E-05	<4.24E-05	<3.64E-05	<1.57E-05	<3.74E-05	0.00045	<4.93E-05	<1.20E-04	<7.76E-05																																																																																																																																																																																																																																	
T-302		<6.63E-05	<2.89E-05	<6.63E-05	<1.76E-04	<3.10E-05	<2.08E-05	0.00033	<2.34E-05	<2.01E-05	<8.66E-06	<2.07E-05	<1.09E-05	<2.72E-05	<6.63E-05	<4.29E-05																																																																																																																																																																																																																																	
T-303		<7.17E-05	<3.12E-05	<7.17E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.27E-05	<2.53E-05	<2.18E-05	<9.36E-06	<2.24E-05	<1.18E-05	<2.94E-05	<7.17E-05	<4.64E-05																																																																																																																																																																																																																																	
T-304		<8.21E-05	<3.57E-05	<8.21E-05	<2.18E-04	<3.84E-05	<2.57E-05	<1.46E-05	<2.90E-05	<2.49E-05	<1.07E-05	<2.56E-05	<1.35E-05	<3.37E-05	<8.21E-05	<5.31E-05																																																																																																																																																																																																																																	
T-305		<1.26E-04	<5.48E-05	<1.26E-04	<3.34E-04	<5.89E-05	<3.94E-05	<2.24E-05	<4.44E-05	<3.82E-05	<1.64E-05	<3.92E-05	<2.07E-05	0.00034	<1.26E-04	<8.14E-05																																																																																																																																																																																																																																	
T-306	0.00055	<1.17E-04	<2.68E-04	0.00318	0.00310	<8.41E-05	<4.77E-05	<9.47E-05	<8.14E-05	<3.50E-05	<8.36E-05	<4.42E-05	<1.10E-04	<2.68E-04	<1.73E-04																																																																																																																																																																																																																																		
T-307		<9.57E-05	<4.16E-05	<9.57E-05	0.00102	<4.48E-05	<3.00E-05	0.00070	<3.38E-05	<2.90E-05	<1.25E-05	<2.98E-05	<1.58E-05	<3.93E-05	<9.57E-05	<6.19E-05																																																																																																																																																																																																																																	
T-308		<1.00E-04	<4.36E-05	<1.00E-04	<2.67E-04	<4.69E-05	<3.14E-05	<1.78E-05	<3.54E-05	<3.04E-05	<1.31E-05	<3.13E-05	<1.65E-05	<4.12E-05	<1.00E-04	<6.49E-05																																																																																																																																																																																																																																	
T-309		<6.76E-05	<2.94E-05	<6.76E-05	<1.80E-04	<3.16E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.05E-05	<8.82E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.76E-05	<4.37E-05																																																																																																																																																																																																																																	
T-310		<8.39E-05	<3.65E-05	<8.39E-05	<2.23E-04	<3.93E-05	0.00153	<1.49E-05	<2.96E-05	<2.55E-05	<1.09E-05	<2.62E-05	<1.38E-05	<3.44E-05	<8.39E-05	<5.43E-05																																																																																																																																																																																																																																	
T-311		<8.74E-05	<4.24E-05	<9.74E-05	<2.59E-04	<4.56E-05	<3.05E-05	<1.73E-05	<3.44E-05	<2.96E-05	<1.27E-05	<3.04E-05	<1.60E-05	<4.00E-05	<9.74E-05	<6.30E-05																																																																																																																																																																																																																																	
T-312	0.00048	0.00328	0.00382	<1.20E-03	0.00320	<1.42E-04	<7.90E-05	<1.62E-04	<1.39E-04	<6.16E-05	<1.43E-04	<7.78E-05	<1.88E-04	<4.51E-04	<2.93E-04																																																																																																																																																																																																																																		
T-313		<6.01E-05	<2.62E-05	<6.01E-05	<1.60E-04	<2.81E-05	<1.88E-05	<1.07E-05	<2.12E-05	<1.82E-05	<7.84E-06	<1.87E-05	<9.90E-06	<2.47E-05	<6.01E-05	<3.89E-05																																																																																																																																																																																																																																	
T-314		<6.77E-05	<2.95E-05	<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.83E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05																																																																																																																																																																																																																																	
T-401		<																																																																																																																																																																																																																																															

Tabla 4.3a Compuestos TO-14 (Flujo en mg/m²-min solo para compuestos que tuvieron por lo menos una detección).

Número de Muestra	Total, de Hidrocarburos Sin Metano-C1															Total, de Hidrocarburos Sin Metano-C6														
	CAS	TNMHC C1	TNMHC C1		Propano	Etano	n-Decano	Progeno	n-Butano	i-Pentano	1,3,5-Trimetilbenceno	1,3-Dimetilbenceno	n-Nonano	2-Etiltolueno	1,2,4-Trimetilbenceno															
	MW	16	86.2	44.1		74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6															
T-101		<1.30E-03		<1.17E-03	0.00039	0.00034	<1.03E-04	<1.02E-04	<1.05E-04	<1.05E-04	<9.67E-05	<9.71E-05	<1.03E-04	<9.67E-05	<9.67E-05															
T-102		0.00177		0.00159	0.00024	<6.85E-05	<6.48E-05	0.00018	<6.61E-05	<6.57E-05	<6.08E-05	<6.11E-05	<6.49E-05	<6.08E-05	<6.08E-05															
T-103		<1.11E-03	<9.99E-04	<9.09E-05		0.00025	<8.80E-05	<8.67E-05	<8.98E-05	<8.93E-05	<8.26E-05	<8.30E-05	<8.81E-05	<8.26E-05	<8.26E-05															
T-104		0.002185		<5.85E-05		<5.99E-05	<5.66E-05	0.00251	<5.78E-05	<5.75E-05	0.00029	0.00064	0.00023	0.00209	0.0014															
T-105		0.00166		0.00149	0.00041	0.00024	<4.90E-05	0.00019	<5.00E-05	0.00019	<4.60E-05	<4.62E-05	<4.91E-05	<4.60E-05	<4.60E-05															
T-106		<6.82E-04	<6.12E-04	<5.57E-05		0.00015	<5.39E-05	0.00015	<5.50E-05	0.00021	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05															
T-107		0.00549		0.00493	0.00040	0.00028	<7.12E-05	0.00021	0.00069	0.00082	<6.68E-05	0.00016	<7.13E-05	<6.68E-05	<6.68E-05															
T-108		0.01295		0.01163	0.00074	0.00064	<7.11E-04	<1.69E-04	0.00039	0.00108	<1.60E-04	0.00036	<1.71E-04	<1.60E-04	0.0018															
T-109		0.00145		0.00130	<5.50E-05	0.00013	<5.32E-05	0.00014	0.00016	0.00026	<5.00E-05	<5.02E-05	<5.33E-05	<5.00E-05	<5.00E-05															
T-110		0.00169		0.00152	0.00017	<5.08E-05	<4.80E-05	0.00025	0.00018	0.00021	<4.51E-05	<4.53E-05	<4.81E-05	<4.51E-05	<4.51E-05															
T-111		0.00953		0.00856	<3.33E-04	<3.40E-04	<3.22E-04	<3.17E-04	<3.29E-04	<3.27E-04	<3.02E-04	<3.04E-04	<3.23E-04	<3.02E-04	<3.02E-04															
T-112		0.00601		0.00540	0.00117	0.00085	<6.15E-05	0.00100	0.00062	<6.24E-05	<5.77E-05	<5.80E-05	<6.16E-05	<5.77E-05	0.0004															
T-113		0.00520		0.00467	0.00092	0.00066	<5.39E-05	0.00082	0.00053	<5.47E-05	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05															
T-114		<6.18E-04	<5.55E-04	<5.04E-05		<5.16E-05	<4.88E-05	<4.81E-05	<4.98E-05	<4.95E-05	<4.58E-05	<4.60E-05	<4.89E-05	<4.58E-05	<4.58E-05															
T-201		0.00220		0.00198	0.00053	0.00015	<5.52E-05	<5.45E-05	<5.64E-05	<5.60E-05	<5.18E-05	<5.21E-05	<5.53E-05	<5.18E-05	<5.18E-05															
T-202		0.00253		0.00227	0.00035	0.00040	<6.06E-05	0.00012	0.00023	<6.15E-05	<5.69E-05	<5.72E-05	<6.07E-05	<5.69E-05	<5.69E-05															
T-203		0.00152		0.00137	0.00010	0.00011	<4.65E-05	<4.58E-05	<4.75E-05	0.00011	<4.36E-05	<4.38E-05	<4.66E-05	<4.36E-05	<4.36E-05															
T-204		0.00204		0.00184	0.00020	0.00019	<6.37E-05	<6.15E-05	0.00022	0.00034	<5.97E-05	<6.00E-05	<6.38E-05	<5.97E-05	<5.97E-05															
T-205		0.00262		0.00235	0.00040	0.00016	<4.99E-05	0.00021	<5.10E-05	<5.07E-05	<4.69E-05	0.00016	<5.00E-05	<4.69E-05	<4.69E-05															
T-206		0.00235	0.00211	<7.95E-05		<8.14E-05	0.00039	<7.59E-05	0.00036	<7.81E-05	<7.23E-05	0.00022	<7.71E-05	<7.23E-05	0.0001															
T-207		0.00357	0.00321	0.00018		<5.31E-05	0.00027	0.00021	0.00020	<5.09E-05	<4.71E-05	<4.74E-05	<5.03E-05	<4.71E-05	<4.71E-05															
T-208		<6.44E-04	<5.78E-04	<5.26E-05		<5.39E-05	<5.09E-05	<5.02E-05	<5.20E-05	<5.17E-05	<4.78E-05	<4.80E-05	<5.10E-05	<4.78E-05	<4.78E-05															
T-209		0.00602	0.00540	0.00014		<5.10E-05	0.00028	0.00016	<4.93E-05	<4.90E-05	0.00010	<4.55E-05	<4.84E-05	0.00010	0.0003															
T-210		0.00234	0.00210	0.00018		<5.67E-05	<5.36E-05	0.00013	0.00014	0.00035	<5.03E-05	0.00014	<5.37E-05	<5.03E-05	0.0001															
T-211		0.00302	0.00272	0.00014		0.00029	<5.02E-05	0.00019	0.00018	0.00032	<4.71E-05	0.00019	<5.03E-05	<4.71E-05	0.0001															
T-212		0.00304	0.00273	<4.78E-05		<4.90E-05	<4.63E-05	<4.57E-05	<4.73E-05	<4.70E-05	<4.35E-05	0.00012	<4.64E-05	<4.35E-05	0.0002															
T-213		0.00238	0.00214	<5.37E-05		<5.50E-05	<5.20E-05	<5.13E-05	0.00016	<5.28E-05	0.00018	0.00011	<5.21E-05	<4.88E-05	0.0003															
T-214		<6.76E-04	<6.07E-04	0.00018		<5.66E-05	<5.35E-05	0.00015	0.00018	0.00030	<5.02E-05	<5.04E-05	<5.36E-05	<5.02E-05	<5.02E-05															
T-301		0.01733	0.01556	0.00041		0.00023	<8.48E-05	0.00026	0.00039	0.00060	<7.96E-05	0.00036	<8.49E-05	<7.96E-05	0.0002															
T-302		0.00988	0.00887	0.00107		0.00014	<4.69E-05	0.00021	0.00105	0.00031	<4.40E-05	0.00013	<4.70E-05	0.00015	0.0003															
T-303		<6.41E-04	<5.76E-04	<5.24E-05		0.00014	<5.07E-05	<5.00E-05	<5.17E-05	<5.14E-05	<4.76E-05	<4.78E-05	<5.08E-05	<4.76E-05	<4.76E-05															
T-304		0.00443	0.00398	0.00027		0.00029	<5.80E-05	0.00014	0.00032	0.00066	<5.45E-05	0.00044	<5.81E-05	<5.45E-05	<5.45E-05															
T-305		0.03198	0.02872	0.00052		0.00023	0.00036	0.00033	0.00019	0.00076	<8.35E-05	0.01003	<8.91E-05	0.00074	0.0028															
T-306		0.05529	0.04965	0.01000		0.00071	0.00153	0.00066	0.00043	0.0156	0.00113	0.00038	0.00625	0.0106	0.014															
T-307		0.01965	0.01764	0.00176		0.00050	<6.76E-05	0.00053	0.00261	<6.86E-05	<6.35E-05	0.00077	<6.77E-05	<6.35E-05	0.0002															
T-308		0.00203	0.00182	<7.32E-05		0.00019	<7.09E-05	<6.99E-05	<7.23E-05	<7.19E-05	<6.65E-05	<6.68E-05	<7.10E-05	<6.65E-05	<6.65E-05															
T-309		0.00469	0.00422	0.00021		0.00014	0.00039	0.00022	0.00025	0.00021	0.00013	<4.51E-05	0.00017	0.00012	0.0001															
T-310		0.00435	0.00390	0.00020		0.00023	<5.93E-05	0.00020	<6.05E-05	0.00074	<5.56E-05	<5.59E-05	<5.94E-05	<5.56E-05	<5.56E-05															
T-311		0.00283	0.00254	0.00032		<7.28E-05	<6.89E-05	0.00020	<7.03E-05	<6.99E-05	<6.46E-05	0.00022	<6.90E-05	<6.46E-05	<6.46E-05															
T-312		0.17664	0.15860	0.00025		0.00021	0.04603	0.00032	0.00040	0.0109	0.01959	0.00711	0.01568	0.01043	0.0054															
T-313		0.00315	0.00282	0.00018		0.00014	0.00038	0.00016	0.00021	0.00018	0.00011	<4.01E-05	<4.26E-05	<3.99E-05	0.0002															
T-314		<6.05E-04	<5.43E-04	<4.94E-05		<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05															
T-401		0.00561	0.00504	0.00049		0.00031	0.00025	0.00029	0.00020	0.00025	<7.30E-05	<7.33E-05	<7.79E-05	<7.30E-05	<7.30E-05															
T-402		0.00316	0.00284	0.00034		0.00054	<6.67E-05	0.00020	<6.81E-05	<6.77E-05	<6.26E-05	<6.29E-05	<6.69E-05	<6.26E-05	<6.26E-05															
T-403		<6.05E-04	<5.43E-04	<4.94E-05		<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05															
T-404		<1.25E-03	<1.13E-03	0.00036		0.00053	<9.91E-05	<9.77E-05	<1.01E-04	<1.01E-04	<9.30E-05	<9.34E-05	<9.92E-05	<9.30E-05	<9.30E-05															
T-405		0.00254	0.00228	0.00018		0.00016	<5.05E-05	0.00021	<5.15E-05	0.00022	<4.74E-05	<4.76E-05	<5.06E-05	<4.74E-05	<4.74E-05															
T-406		<7.98E-04	<7.17E-04	<6.52E-05		<6.68E-05	<6.31E-05	0.00015	<6.44E-05	<6.40E-05	<5.92E-05	<5.95E-05	<6.32E-05	<5.92E-05	<5.92E-05															
T-407		0.00195	0.00175	0.00015		0.00021	<4.63E-05	0.00014	0.00023	0.00023	<4.35E-05	<4.37E-05	<4.64E-05	<4.35E-05	0.0001															
T-408		0.00362	0.00325	0.00064		0.00033	<5.40E-05	<5.33E-05	<5.51E-05	0.00005	<5.07E-05	<5.10E-05	<5.41E-05	<5.07E-05	<5.07E-05															
T-409		0.00295	0.00265	0.00056		0.00016	<5.27E-05	0.00011	0.00013	0.00056	<4.95E-05	0.00010	<5.28E-05	<4.95E-05	<4.95E-05															
T-410		<5.77E-04	<5.18E-04	<4.71E-05		<4.83E-05	<4.56E-05	<4.50E-05	<4.66E-05	<4.63E-05	<4.28E-05	<4.30E-05	<4.57E-05	<4.28E-05	<4.28E-05															
T-501		0.00260	0.00233	0.00025		0.00015	<5.15E-05	0.00024	0.00024	0.00022	<4.83E-05	<4.86E-05	<5.16E-05	<4.83E-05	0.0001															
T-502		0.00228	0.00204	0.00022		0.00018	<4.63E-05	0.00024	0.00016	0.00021	<5.13E-05	<5.15E-05	<5.47E-05	<5.13E-05	0.0004															
T-503		<6.42E-04	<5.77E-04	0.00013		<5.37E-05	<5.08E-05	<5.01E-05	<5.18E-05	<5.15E-05	<4.77E-05	0.00017	<5.09E-05	<4.77E-05	<4.77E-05															
T-504		<7.19E-04	<6.46E-04	<5.87E-05		<6.01E-05	<5.68E-05	<5.60E-05	<5.80E-05	<5.77E-05	<5.33E-05	<5.36E-05	<5.69E-05	<5.33E-05	<5.33E-05															
T-505		<7.07E-04	<6.35E-04	<5.77E-05		<5.91E-05	<5.59E-05	<5.51E-05	<5.70E-05	<5.67E-05	<5.24E-05	<5.27E-05	<5.60E-05	<5.24E-05	0.0001															
T-506		<6.63E-04	<5.96E-04	<5.42E-05		<5.55E-05	<5.24E-05	<5.17E-05	<5.35E-05	<5.32E-05	<4.92E-05	<4.95E-05	<5.25E-05	<4.92E-05	0.0001															
T-507		0.00205	0.00184	0.00026		0.00018	<5.86E-05	0.00024	0.00030	0.00026	<5.50E-05	<5.52E-05	<5.87E-05	<5.50E-05	<5.50E-05															
T-508		<8.82E-04	<7.92E-04	0.00022		0.00021	<6.97E-05	0.00018	0.00017	0.00024	<6.55E-05	<6.58E-05	<6.99E-05	<6.55E-05	<6.55E-05															
T-509																														

Tabla 4.3b Compuestos TO-14 (Flujo en mg/m2-min solo para compuestos que tuvieron por lo menos una detección).

Número de Muestra														
	CAS	m-p-xileno	Benceno	Eteno	n-propilbenceno	Undecano	t-2-Buteno	4-Etiltolueno	3-Metilpentano	2,4-Dimetilpentano	n-Pentano	3-Metilhexano	o-xileno	1,4-Dicilbenceno
	108-38-3	71-43-2	74-85-1	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5	
MW	106.2	78.1	28.1	120.2	156.3	56.1	120.2	86.2	100.2	72.1	100.2	106.2	134.2	
T-101		<9.61E-05	<9.42E-05	<1.02E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.67E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.04E-04	<9.61E-05	<9.71E-05
T-102		<6.04E-05	<5.93E-05	<6.40E-05	<6.08E-05	<6.47E-05	0.00020	<6.08E-05	0.00018	<6.52E-05	<6.57E-05	<6.52E-05	<6.04E-05	<6.11E-05
T-103		<8.21E-05	<8.05E-05	<8.68E-05	0.00031	<8.78E-05	0.00026	<8.26E-05	<8.88E-05	<8.85E-05	<8.91E-05	<8.85E-05	<8.21E-05	<8.30E-05
T-104		0.00146	<5.18E-05	<5.59E-05	0.00299	0.00015	<5.58E-05	0.00046	<5.72E-05	0.00037	<5.74E-05	<5.70E-05	0.00013	<5.34E-05
T-105		<4.57E-05	<4.48E-05	<4.83E-05	<4.60E-05	<4.89E-05	<4.83E-05	<4.60E-05	<4.94E-05	<4.93E-05	<4.96E-05	<4.93E-05	<4.57E-05	<4.62E-05
T-106		<5.03E-05	<4.93E-05	<5.32E-05	<5.06E-05	<5.38E-05	<5.31E-05	<5.06E-05	<5.44E-05	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05
T-107		<6.64E-05	0.00030	<7.03E-05	<6.68E-05	<7.11E-05	<7.01E-05	<6.68E-05	0.00029	<7.16E-05	0.00020	<7.16E-05	<6.64E-05	<6.71E-05
T-108		<1.59E-04	0.00072	<1.69E-04	<1.60E-04	<1.71E-04	<1.68E-04	<1.60E-04	<1.73E-04	<1.72E-04	0.00098	<1.72E-04	0.00036	<1.61E-04
T-109		<4.97E-05	<4.87E-05	<5.26E-05	<5.00E-05	<5.32E-05	<5.25E-05	<5.00E-05	<5.38E-05	<5.36E-05	<5.40E-05	<5.36E-05	<4.97E-05	<5.02E-05
T-110		<4.48E-05	<4.39E-05	<4.74E-05	<4.51E-05	<4.80E-05	0.00013	<4.51E-05	<4.85E-05	<4.83E-05	<4.87E-05	<4.83E-05	<4.48E-05	<4.53E-05
T-111		<3.00E-04	0.00092	<3.18E-04	<3.02E-04	<3.21E-04	<3.17E-04	<3.02E-04	<3.25E-04	<3.24E-04	<3.26E-04	<3.24E-04	<3.00E-04	<3.04E-04
T-112		<5.74E-05	<5.63E-05	0.00019	<5.77E-05	<6.14E-05	<6.06E-05	<5.77E-05	0.00014	<6.19E-05	<6.23E-05	<6.19E-05	<5.74E-05	<5.80E-05
T-113		<5.03E-05	<4.93E-05	<5.32E-05	<5.06E-05	<5.38E-05	0.00036	<5.06E-05	0.00019	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05
T-114		<4.55E-05	<4.47E-05	<4.82E-05	<4.58E-05	<4.88E-05	<4.81E-05	<4.58E-05	<4.93E-05	<4.91E-05	<4.95E-05	<4.91E-05	<4.55E-05	<4.60E-05
T-201		<5.15E-05	<5.05E-05	<5.45E-05	<5.18E-05	<5.51E-05	<5.44E-05	<5.18E-05	<5.58E-05	<5.56E-05	0.00011	<5.56E-05	<5.15E-05	<5.21E-05
T-202		<5.66E-05	<5.55E-05	<5.99E-05	<5.69E-05	<6.05E-05	0.00014	0.00019	<6.12E-05	<6.10E-05	0.00013	<6.10E-05	<5.66E-05	<5.72E-05
T-203		<4.34E-05	<4.25E-05	<4.59E-05	<4.36E-05	<4.64E-05	<4.58E-05	<4.36E-05	0.00016	0.00018	<4.71E-05	<4.68E-05	<4.34E-05	<4.38E-05
T-204		<5.94E-05	<5.82E-05	<6.28E-05	<5.97E-05	<6.36E-05	<6.27E-05	<5.97E-05	<6.43E-05	<6.40E-05	<6.45E-05	<6.40E-05	<5.94E-05	<6.00E-05
T-205		<4.66E-05	<4.57E-05	<4.93E-05	<4.69E-05	<4.99E-05	<4.92E-05	<4.69E-05	<5.04E-05	<5.02E-05	<5.06E-05	<5.02E-05	<4.66E-05	0.00021
T-206		<7.18E-05	0.00020	<7.60E-05	<7.23E-05	<7.69E-05	<7.59E-05	<7.23E-05	<7.77E-05	<7.74E-05	<7.80E-05	<7.74E-05	<7.18E-05	<7.26E-05
T-207		0.00034	0.00040	<4.96E-05	0.00021	<5.01E-05	<4.95E-05	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.68E-05	<4.74E-05
T-208		<4.75E-05	<4.66E-05	<5.03E-05	<4.78E-05	<5.08E-05	<5.02E-05	<4.78E-05	<5.14E-05	<5.12E-05	<5.16E-05	<5.12E-05	<4.75E-05	<4.80E-05
T-209		0.00022	0.00124	<4.77E-05	0.00025	<4.82E-05	<4.76E-05	0.00016	<4.87E-05	<4.86E-05	<4.89E-05	<4.86E-05	<4.50E-05	0.00010
T-210		<5.00E-05	<4.91E-05	0.00013	<5.03E-05	<5.36E-05	<5.29E-05	<5.03E-05	<5.42E-05	<5.40E-05	<5.44E-05	<5.40E-05	<5.00E-05	<5.06E-05
T-211		<4.69E-05	0.00029	0.00012	0.00015	<5.02E-05	0.00012	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.69E-05	<4.74E-05
T-212		<4.32E-05	<4.24E-05	<4.57E-05	<4.35E-05	<4.62E-05	0.00011	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	0.00022	0.00009	0.00010
T-213		<4.85E-05	<4.76E-05	<5.13E-05	<4.88E-05	<5.19E-05	0.00010	<4.88E-05	<5.25E-05	<5.23E-05	<5.27E-05	0.00026	<4.85E-05	<4.90E-05
T-214		<4.99E-05	<4.89E-05	<5.28E-05	<5.02E-05	<5.34E-05	<5.27E-05	<5.02E-05	<5.40E-05	<5.38E-05	<5.42E-05	<5.38E-05	<4.99E-05	<5.04E-05
T-301		0.00033	0.00018	<8.37E-05	0.00042	<8.47E-05	0.00021	0.00018	0.00210	<8.53E-05	<8.59E-05	0.00045	0.00025	<8.00E-05
T-302		0.00011	0.00015	<4.63E-05	0.00034	<4.68E-05	0.00014	0.00028	0.00034	0.00012	0.00036	0.00030	<4.37E-05	<4.42E-05
T-303		<4.73E-05	0.00010	<5.00E-05	<4.76E-05	<5.06E-05	<5.00E-05	<4.76E-05	<5.12E-05	<5.10E-05	<5.14E-05	<5.10E-05	<4.73E-05	<4.78E-05
T-304		<5.41E-05	0.00014	0.00032	0.00015	<5.79E-05	0.00018	<5.45E-05	<5.86E-05	<5.84E-05	0.00012	<5.84E-05	<5.41E-05	<5.47E-05
T-305		0.00026	0.00028	<8.78E-05	<8.35E-05	0.00030	<8.76E-05	0.00084	<8.98E-05	<8.95E-05	<9.01E-05	0.00057	<8.30E-05	<8.39E-05
T-306		0.01020	0.00113	0.00038	0.00057	<1.89E-04	<1.87E-04	0.00283	0.00104	<1.91E-04	<1.92E-04	<1.91E-04	0.00413	<1.79E-04
T-307		0.00017	0.00033	0.00047	0.00083	<6.75E-05	0.00021	0.00025	0.00071	0.00033	0.00161	0.00068	0.00029	<6.38E-05
T-308		<6.61E-05	0.00016	0.00025	<6.65E-05	<7.08E-05	0.00025	<6.65E-05	0.00019	0.00018	<7.18E-05	<7.13E-05	<6.61E-05	<6.68E-05
T-309		<4.46E-05	0.00014	0.00011	0.00039	0.00016	0.00018	0.00027	0.00012	<4.81E-05	<4.84E-05	<4.81E-05	0.00010	<4.51E-05
T-310		<5.53E-05	0.00015	<5.85E-05	0.00045	<5.92E-05	<5.84E-05	0.00019	<5.99E-05	<5.96E-05	<6.01E-05	0.00015	<5.53E-05	<5.59E-05
T-311		<6.42E-05	<6.30E-05	<6.80E-05	0.00073	<6.88E-05	<6.79E-05	0.00015	<6.95E-05	<6.93E-05	<6.98E-05	<6.93E-05	<6.42E-05	<6.49E-05
T-312		0.00465	0.00025	0.00017	0.00110	0.00929	<5.26E-05	0.00336	<5.39E-05	0.00453	<5.41E-05	0.00030	0.00217	0.00569
T-313		<3.96E-05	<3.89E-05	<4.19E-05	<3.99E-05	0.00021	<4.19E-05	<3.99E-05	0.00012	<4.27E-05	<4.30E-05	<4.27E-05	<3.96E-05	<4.01E-05
T-314		<4.46E-05	<4.38E-05	<4.72E-05	<4.49E-05	<4.78E-05	<4.71E-05	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05
T-401		<7.25E-05	0.00031	0.00026	<7.30E-05	<7.76E-05	<7.66E-05	<7.30E-05	0.00020	<7.82E-05	0.00039	<7.82E-05	0.00028	<7.33E-05
T-402		0.00072	<6.10E-05	<6.59E-05	<6.26E-05	<6.66E-05	0.00017	<6.26E-05	<6.74E-05	<6.71E-05	<6.76E-05	<6.71E-05	<6.23E-05	0.00017
T-403		<4.46E-05	<4.38E-05	<4.72E-05	<4.49E-05	<4.78E-05	0.00015	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05
T-404		<9.24E-05	<9.06E-05	<9.78E-05	<9.30E-05	<9.89E-05	<9.76E-05	<9.30E-05	<1.00E-04	<9.96E-05	<1.00E-04	<9.96E-05	<9.24E-05	<9.34E-05
T-405		<4.71E-05	0.00020	0.00013	<4.74E-05	<5.04E-05	0.00020	<4.74E-05	0.00012	<5.08E-05	<5.12E-05	<5.08E-05	<4.71E-05	<4.76E-05
T-406		<5.89E-05	<5.77E-05	0.00023	<5.92E-05	<6.30E-05	0.00015	<5.92E-05	<6.37E-05	<6.35E-05	<6.40E-05	<6.35E-05	<5.89E-05	<5.95E-05
T-407		<4.32E-05	0.00010	<4.57E-05	<4.35E-05	<4.62E-05	<4.56E-05	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	<4.66E-05	<4.32E-05	<4.37E-05
T-408		<5.04E-05	0.00011	<5.33E-05	<5.07E-05	<5.39E-05	<5.33E-05	<5.07E-05	<5.45E-05	<5.43E-05	<5.48E-05	<5.43E-05	<5.04E-05	0.00012
T-409		<4.92E-05	0.00015	<5.20E-05	<4.95E-05	<5.26E-05	<5.20E-05	<4.95E-05	0.00011	<5.30E-05	<5.34E-05	<5.30E-05	<4.92E-05	<4.97E-05
T-410		<4.26E-05	<4.17E-05	<4.51E-05	<4.28E-05	<4.56E-05	<4.50E-05	<4.28E-05	<4.61E-05	<4.59E-05	<4.63E-05	<4.59E-05	<4.26E-05	<4.30E-05
T-501		<4.80E-05	0.00020	<5.08E-05	0.00045	<5.14E-05	<5.07E-05	<4.83E-05	<5.20E-05	<5.18E-05	<5.22E-05	<5.18E-05	<4.80E-05	<4.86E-05
T-502		<5.10E-05	0.00015	0.00019	<5.13E-05	<5.45E-05	0.00060	<5.38E-05	<5.13E-05	<5.52E-05	<5.49E-05	<5.54E-05	<5.10E-05	<5.15E-05
T-503		<4.74E-05	<4.65E-05	<5.01E-05	<4.77E-05	<5.07E-05	<5.00E-05	<4.77E-05	<5.13E-05	<5.11E-05	<5.15E-05	<5.11E-05	<4.74E-05	<4.79E-05
T-504		<5.30E-05	0.00014	<5.61E-05	<5.33E-05	<5.67E-05	0.00024	<5.33E-05	<5.74E-05	<5.72E-05	<5.76E-05	<5.72E-05	<5.30E-05	<5.36E-05
T-505		<5.21E-05	0.00013	<5.52E-05	<5.24E-05	<5.58E-05	0.00024	<5.24E-05	<5.64E-05	<5.62E-05	<5.66E-05	<5.62E-05	<5.21E-05	<5.27E-05
T-506		<4.89E-05</												

Tabla 4.3c Compuestos TO-14 (Flujo en ug/m2-min solo para compuestos que tuvieron por lo menos una detección).

Número de Muestra	CAS	1-Buteno	2,3-Dimetilpentano	2-Metilpentano	n-Hexano	3-Etiltolueno	Ciclohexano	Metilciclohexano	Etilbenceno	1,2-Penteno	Tolueno	2-Metilhexano	Ciclooctano	1-Penteno
	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7	108-87-2	100-41-4	646-04-8	108-88-3	591-76-4	287-92-3	109-67-1	
	56.1	100.2	86.2	86.2	120.2	84.2	98.2	106.2	70.1	92.1	100.2	70.1	70.1	
MW														
T-101		0.00029	<1.04E-04	<1.04E-04	<1.04E-04	<9.67E-05	<1.02E-04	<1.02E-04	<9.61E-05	<1.01E-04	<9.52E-05	<1.04E-04	<1.01E-04	<1.01E-04
T-102		0.00014	<6.52E-05	<6.54E-05	<6.54E-05	<6.08E-05	<6.39E-05	<6.39E-05	<6.04E-05	<6.38E-05	<5.99E-05	<6.52E-05	<6.38E-05	<6.38E-05
T-103			<8.67E-05	<8.85E-05	<8.88E-05	<8.88E-05	<8.26E-05	<8.67E-05	<8.21E-05	<8.67E-05	<8.13E-05	<8.85E-05	<8.67E-05	<8.67E-05
T-104			<5.58E-05	<5.70E-05	<5.72E-05	<5.72E-05	0.00184	<5.58E-05	<5.58E-05	0.00034	<5.58E-05	0.00040	<5.70E-05	<5.58E-05
T-105			<4.83E-05	<4.93E-05	<4.94E-05	<4.94E-05	<4.60E-05	<4.83E-05	<4.83E-05	<4.57E-05	<4.82E-05	<4.53E-05	<4.93E-05	<4.82E-05
T-106			<5.31E-05	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05	<5.32E-05	<5.03E-05	<5.31E-05	<4.98E-05	<5.42E-05	<5.31E-05
T-107			<7.01E-05	<7.16E-05	<7.19E-05	<7.19E-05	<6.68E-05	<7.02E-05	<7.02E-05	<6.64E-05	<7.01E-05	<6.58E-05	<7.16E-05	<7.01E-05
T-108			<1.68E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.60E-04	<1.69E-04	<1.68E-04	<1.59E-04	0.00082	0.00040	<1.72E-04	<1.68E-04
T-109		0.00021	<5.36E-05	<5.38E-05	<5.38E-05	<5.38E-05	<5.00E-05	<5.25E-05	<4.97E-05	<5.25E-05	<4.92E-05	<5.36E-05	<5.25E-05	<5.25E-05
T-110			<4.73E-05	<4.83E-05	<4.85E-05	0.00016	<4.51E-05	<4.74E-05	<4.73E-05	<4.48E-05	0.00011	<4.44E-05	<4.83E-05	<4.73E-05
T-111			<3.17E-04	<3.24E-04	<3.25E-04	0.00122	<3.02E-04	<3.17E-04	<3.17E-04	<3.00E-04	0.00125	<2.98E-04	<3.24E-04	<3.17E-04
T-112		0.00017	<6.19E-05	<6.21E-05	<6.21E-05	<5.77E-05	<6.07E-05	<6.06E-05	<5.74E-05	<6.06E-05	<5.69E-05	<6.19E-05	<6.06E-05	<6.06E-05
T-113		0.00015	<5.42E-05	<5.44E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05	<5.32E-05	<5.03E-05	<5.31E-05	<4.99E-05	<5.42E-05	<5.31E-05
T-114			<4.81E-05	<4.91E-05	<4.93E-05	<4.93E-05	<4.58E-05	<4.81E-05	<4.81E-05	<4.55E-05	<4.81E-05	<4.51E-05	<4.91E-05	<4.81E-05
T-201			<5.44E-05	<5.56E-05	<5.58E-05	0.00030	<5.18E-05	<5.45E-05	<5.44E-05	<5.15E-05	0.00012	<5.11E-05	<5.56E-05	<5.44E-05
T-202			<5.98E-05	<6.10E-05	<6.12E-05	<6.12E-05	<5.69E-05	<5.98E-05	<5.98E-05	<5.66E-05	<5.97E-05	<5.61E-05	<6.10E-05	<5.97E-05
T-203			<4.58E-05	<4.68E-05	<4.69E-05	<4.69E-05	<4.36E-05	<4.58E-05	<4.58E-05	<4.34E-05	0.00028	<4.30E-05	<4.68E-05	<4.58E-05
T-204			<6.27E-05	<6.40E-05	<6.43E-05	0.00017	<5.97E-05	<6.28E-05	<6.28E-05	<5.94E-05	<6.27E-05	<5.89E-05	<6.40E-05	<6.27E-05
T-205		0.00021	<5.02E-05	<5.04E-05	<5.04E-05	0.00009	<4.92E-05	<4.92E-05	<4.66E-05	<4.92E-05	<4.62E-05	<5.02E-05	<4.92E-05	<4.92E-05
T-206			<7.59E-05	<7.74E-05	<7.77E-05	0.00029	<7.23E-05	<7.59E-05	<7.59E-05	<7.18E-05	<7.59E-05	<7.12E-05	<7.74E-05	<7.59E-05
T-207			<4.95E-05	<5.05E-05	<5.07E-05	0.00021	<4.71E-05	<4.95E-05	<4.95E-05	0.00013	<4.95E-05	0.00016	<5.05E-05	<4.95E-05
T-208			<5.02E-05	<5.12E-05	<5.14E-05	0.00016	<4.78E-05	<5.02E-05	<5.02E-05	<4.75E-05	<5.02E-05	<4.71E-05	<5.12E-05	<5.02E-05
T-209			<4.76E-05	<4.86E-05	<4.87E-05	0.00022	<4.53E-05	<4.76E-05	<4.76E-05	0.00011	0.00010	0.00020	<4.86E-05	<4.76E-05
T-210			<5.29E-05	<5.40E-05	<5.42E-05	0.00016	<5.03E-05	<5.29E-05	<5.29E-05	<5.00E-05	<5.29E-05	<4.96E-05	<5.40E-05	<5.29E-05
T-211			<4.95E-05	<5.05E-05	<5.07E-05	<5.07E-05	<4.71E-05	<4.95E-05	<4.95E-05	<4.69E-05	<4.95E-05	<4.64E-05	<5.05E-05	<4.95E-05
T-212			<4.56E-05	<4.66E-05	<4.67E-05	<4.67E-05	0.00014	<4.57E-05	<4.56E-05	0.00023	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05
T-213			<5.12E-05	<5.23E-05	<5.25E-05	<5.25E-05	<4.88E-05	<5.13E-05	<5.13E-05	0.00012	<5.12E-05	<4.81E-05	<5.23E-05	<5.12E-05
T-214			<5.27E-05	<5.38E-05	<5.40E-05	<5.40E-05	<5.02E-05	<5.27E-05	<5.27E-05	<4.99E-05	<5.27E-05	<4.94E-05	<5.38E-05	<5.27E-05
T-301			<8.36E-05	0.00084	0.00341	<8.56E-05	<7.96E-05	0.00123	<8.36E-05	<7.91E-05	<8.35E-05	<7.84E-05	<8.53E-05	<8.35E-05
T-302			<4.62E-05	0.00025	0.00027	0.00012	<4.40E-05	0.00036	0.00019	<4.37E-05	<4.62E-05	0.00021	0.00011	<4.62E-05
T-303			<5.00E-05	<5.10E-05	<5.12E-05	<5.12E-05	<4.76E-05	<5.00E-05	<4.73E-05	<4.99E-05	<4.69E-05	<5.10E-05	<4.99E-05	<4.99E-05
T-304			0.00014	<5.84E-05	<5.86E-05	<5.86E-05	<5.45E-05	<5.72E-05	<5.72E-05	<5.41E-05	<5.72E-05	<5.37E-05	<5.84E-05	0.00012
T-305			<8.76E-05	<8.95E-05	0.00113	<8.98E-05	0.00059	0.00114	<8.77E-05	0.00093	<8.76E-05	0.00065	<8.95E-05	0.00080
T-306		0.00063	<1.91E-04	<1.91E-04	<1.91E-04	0.00086	0.00040	<1.87E-04	0.00251	<1.87E-04	<1.75E-04	<1.91E-04	<1.87E-04	<1.87E-04
T-307			<6.66E-05	0.00035	0.00047	0.00056	<6.35E-05	0.00101	0.00023	<6.31E-05	<6.66E-05	0.00022	0.00035	0.00030
T-308			<6.98E-05	<7.13E-05	<7.15E-05	<7.15E-05	<6.65E-05	<6.99E-05	<6.99E-05	<6.61E-05	<6.98E-05	<6.55E-05	<7.13E-05	<6.98E-05
T-309			<4.71E-05	<4.81E-05	<4.82E-05	<4.82E-05	0.00015	<4.71E-05	<4.71E-05	<4.46E-05	<4.71E-05	<4.42E-05	0.00025	<4.71E-05
T-310		0.00018	<5.96E-05	<5.99E-05	<5.99E-05	<5.99E-05	<5.56E-05	<5.85E-05	<5.84E-05	<5.53E-05	<5.84E-05	<5.48E-05	0.00018	<5.84E-05
T-311			<6.79E-05	<6.93E-05	<6.95E-05	<6.95E-05	<6.46E-05	<6.79E-05	<6.79E-05	<6.42E-05	<6.78E-05	<6.37E-05	<6.93E-05	0.00023
T-312			<5.26E-05	0.00206	0.00022	<5.39E-05	0.00136	<5.27E-05	0.00246	0.00106	<5.26E-05	0.00079	0.00022	<5.26E-05
T-313			<4.19E-05	<4.27E-05	<4.29E-05	0.00016	<3.99E-05	<4.19E-05	<4.19E-05	<3.96E-05	0.00017	<3.93E-05	<4.27E-05	<4.19E-05
T-314			<4.71E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05	<4.72E-05	<4.46E-05	<4.71E-05	<4.42E-05	<4.81E-05	<4.71E-05
T-401		0.00032	<7.82E-05	<7.85E-05	<7.85E-05	0.00022	<7.30E-05	<7.67E-05	<7.67E-05	<7.25E-05	0.00042	<7.19E-05	<7.82E-05	<7.66E-05
T-402			<6.58E-05	<6.71E-05	<6.74E-05	<6.74E-05	<6.26E-05	<6.58E-05	<6.23E-05	<6.57E-05	<6.17E-05	<6.57E-05	<6.71E-05	<6.57E-05
T-403			<4.72E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05	<4.72E-05	<4.46E-05	0.00010	<4.42E-05	<4.81E-05	<4.71E-05
T-404			<9.76E-05	<9.96E-05	<1.00E-04	0.00024	<9.30E-05	<9.77E-05	<9.77E-05	<9.24E-05	<9.76E-05	<9.16E-05	<9.96E-05	<9.76E-05
T-405			<4.98E-05	<5.08E-05	<5.10E-05	0.00014	<4.74E-05	<4.98E-05	<4.98E-05	<4.71E-05	0.00012	<4.67E-05	0.00025	<4.97E-05
T-406			<6.22E-05	<6.35E-05	<6.37E-05	0.00014	<5.92E-05	<6.22E-05	<6.22E-05	<5.89E-05	<6.22E-05	<5.84E-05	<6.35E-05	<6.22E-05
T-407		0.00010	<4.66E-05	<4.67E-05	<4.67E-05	<4.67E-05	<4.35E-05	<4.57E-05	<4.56E-05	<4.32E-05	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05
T-408		0.00026	<5.43E-05	<5.45E-05	<5.45E-05	<5.45E-05	<5.07E-05	0.00012	<5.33E-05	<5.04E-05	<5.32E-05	<5.00E-05	<5.43E-05	0.00012
T-409			<5.20E-05	<5.30E-05	<5.32E-05	<5.32E-05	<4.95E-05	<5.20E-05	<5.20E-05	<4.92E-05	<5.19E-05	<4.87E-05	<5.30E-05	<5.19E-05
T-410			<4.50E-05	<4.59E-05	<4.61E-05	<4.61E-05	<4.28E-05	<4.50E-05	<4.50E-05	<4.26E-05	<4.50E-05	<4.22E-05	<4.59E-05	<4.50E-05
T-501			<5.07E-05	<5.18E-05	<5.20E-05	<5.20E-05	<4.83E-05	<5.08E-05	<5.08E-05	<4.80E-05	<5.07E-05	<4.76E-05	<5.18E-05	<5.07E-05
T-502			<5.38E-05	<5.49E-05	<5.52E-05	<5.52E-05	<5.13E-05	<5.39E-05	<5.39E-05	<5.10E-05	<5.38E-05	<5.05E-05	<5.49E-05	<5.38E-05
T-503			<5.00E-05	<5.11E-05	<5.13E-05	<5.13E-05	<4.77E-05	<5.01E-05	<5.01E-05	<4.74E-05	<5.00E-05	<4.70E-05	<5.11E-05	<5.00E-05
T-504		0.00012	<5.72E-05	<5.74E-05	<5.74E-05	<5.74E-05	<5.33E-05	<5.60E-05	<5.60E-05	<5.30E-05	<5.60E-05	<5.25E-05	<5.72E-05	<5.60E-05
T-505			<5.51E-05	<5.62E-05	<5.64E-05	<5.64E-05	<5.24E-05	<5.51E-05	<5.51E-05	<5.21E-05	<5.51E-05	<5.17E-05	<5.62E-05	<5.51E-05
T-506		0.00016	<5.28E-05	<5.30E-05	<5.30E-05	<5.30E-05	<4.92E-05	<5.17E-05	<5.17E-05	<4.89E-05	<5.17E-05	<4.85E-05	<5.28E-05	<5.17E-05
T-507			<5.77E-05	<5.89E-05	<5.91E-05	<5.91E-05	<5.50E-05	<5.78E-05	<5.77E-05	<5.46E-05	<5.77E			

Tabla 4.3d Compuestos TO-14 (Flujo en ug/m2-min solo para compuestos que tuvieron por lo menos una detección).

Número de Muestra															
	CAS	142-82-5	98-82-8	111-65-9	526-73-8	540-84-1	96-37-7	100-42-5	75-83-2	590-18-1	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3
	MW	100.2	120.2	114.2	120.2	114.2	84.2	104.2	86.2	56.1	114.2	114.2	114.2	170.3	70.1
		n-Heptano	i-Propilbenceno	n-Octano	1,2,3-Trimetilbenceno	2,2,4-Trimetilpentano	Metilciclopentano	Estireno	2,2-Dimetilbutano	c-2-Buteno	3-Metilheptano	2,3,4-Trimetilpentano	2-Metilheptano	Dodecano	c-2-Penteno
T-101		<1.04E-04	<9.67E-05	<1.03E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.43E-05	<1.04E-04	<1.02E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.01E-04
T-102		<6.52E-05	<6.08E-05	<6.50E-05	<6.08E-05	<6.50E-05	<6.39E-05	<5.93E-05	<6.54E-05	<6.39E-05	<6.50E-05	<6.50E-05	<6.50E-05	<6.46E-05	<6.38E-05
T-103		<8.85E-05	<8.26E-05	<8.82E-05	<8.26E-05	<8.82E-05	<8.67E-05	<8.05E-05	<8.88E-05	<8.67E-05	<8.82E-05	<8.82E-05	<8.82E-05	<8.77E-05	<8.67E-05
T-104		<5.70E-05	0.00118	0.00034	<5.31E-05	<5.68E-05	<5.58E-05	0.00087	<5.72E-05	<5.58E-05	<5.68E-05	0.00015	0.00013	<5.65E-05	0.00012
T-105		<4.93E-05	<4.60E-05	<4.91E-05	<4.60E-05	<4.91E-05	<4.83E-05	<4.48E-05	<4.94E-05	<4.83E-05	<4.91E-05	<4.91E-05	<4.91E-05	<4.88E-05	<4.82E-05
T-106		<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05	<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05
T-107		<7.16E-05	<6.68E-05	<7.14E-05	0.00017	<7.14E-05	<7.02E-05	<6.51E-05	<7.19E-05	<7.01E-05	<7.14E-05	<7.14E-05	<7.14E-05	<7.10E-05	<7.01E-05
T-108		<1.72E-04	<1.60E-04	<1.71E-04	<1.60E-04	<1.71E-04	<1.69E-04	<1.56E-04	<1.73E-04	<1.68E-04	<1.71E-04	<1.71E-04	<1.71E-04	<1.70E-04	<1.68E-04
T-109		<5.36E-05	<5.00E-05	<5.34E-05	<5.00E-05	<5.34E-05	<5.25E-05	<4.87E-05	<5.38E-05	<5.25E-05	<5.34E-05	<5.34E-05	<5.34E-05	<5.31E-05	<5.25E-05
T-110		<4.83E-05	<4.51E-05	<4.82E-05	<4.51E-05	<4.82E-05	<4.74E-05	<4.40E-05	<4.85E-05	<4.73E-05	<4.82E-05	<4.82E-05	<4.82E-05	<4.79E-05	<4.73E-05
T-111		<3.24E-04	<3.02E-04	<3.23E-04	<3.02E-04	<3.23E-04	<3.17E-04	<2.95E-04	<3.25E-04	<3.17E-04	<3.23E-04	<3.23E-04	<3.23E-04	<3.21E-04	<3.17E-04
T-112		<6.19E-05	<5.77E-05	<6.17E-05	<5.77E-05	<6.17E-05	<6.07E-05	<5.63E-05	<6.21E-05	<6.06E-05	<6.17E-05	<6.17E-05	<6.17E-05	<6.13E-05	<6.06E-05
T-113		<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05	<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05
T-114		<4.91E-05	<4.58E-05	<4.90E-05	<4.58E-05	<4.90E-05	<4.81E-05	<4.47E-05	<4.93E-05	<4.81E-05	<4.90E-05	<4.90E-05	<4.90E-05	<4.87E-05	<4.81E-05
T-201		<5.56E-05	<5.18E-05	<5.54E-05	<5.18E-05	<5.54E-05	<5.45E-05	<5.06E-05	0.00013	<5.44E-05	<5.54E-05	<5.54E-05	<5.54E-05	<5.51E-05	<5.44E-05
T-202		<6.10E-05	<5.69E-05	<6.08E-05	<5.69E-05	<6.08E-05	<5.98E-05	<5.55E-05	<6.12E-05	<5.98E-05	<6.08E-05	<6.08E-05	<6.08E-05	<6.05E-05	<5.97E-05
T-203		<4.68E-05	<4.36E-05	<4.66E-05	<4.36E-05	<4.66E-05	<4.58E-05	<4.26E-05	<4.69E-05	<4.58E-05	<4.66E-05	<4.66E-05	<4.66E-05	<4.64E-05	<4.58E-05
T-204		<6.40E-05	<5.97E-05	<6.39E-05	<5.97E-05	<6.39E-05	<6.28E-05	<5.83E-05	<6.43E-05	<6.27E-05	<6.39E-05	<6.39E-05	<6.39E-05	<6.35E-05	<6.27E-05
T-205		<5.02E-05	<4.69E-05	<5.01E-05	0.00015	<5.01E-05	<4.92E-05	<4.57E-05	<5.04E-05	<4.92E-05	<5.01E-05	<5.01E-05	<5.01E-05	<4.98E-05	<4.92E-05
T-206		<7.74E-05	<7.23E-05	<7.72E-05	<7.23E-05	<7.72E-05	<7.59E-05	<7.05E-05	<7.77E-05	<7.59E-05	<7.72E-05	<7.72E-05	<7.72E-05	<7.68E-05	<7.59E-05
T-207		0.00011	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05	<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05
T-208		<5.12E-05	<4.78E-05	<5.11E-05	<4.78E-05	<5.11E-05	<5.02E-05	<4.66E-05	<5.14E-05	<5.02E-05	<5.11E-05	<5.11E-05	<5.11E-05	<5.08E-05	<5.02E-05
T-209		0.00024	<4.53E-05	0.00031	<4.53E-05	<4.84E-05	<4.76E-05	<4.42E-05	<4.87E-05	<4.76E-05	<4.84E-05	0.00027	0.00011	<4.81E-05	<4.76E-05
T-210		0.00016	<5.03E-05	<5.38E-05	<5.03E-05	<5.38E-05	<5.29E-05	<4.91E-05	<5.42E-05	<5.29E-05	<5.38E-05	<5.38E-05	<5.38E-05	<5.35E-05	<5.29E-05
T-211		0.00013	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05	<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05
T-212		<4.66E-05	<4.35E-05	<4.64E-05	0.00016	<4.64E-05	<4.57E-05	0.00015	<4.67E-05	<4.56E-05	0.00012	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05
T-213		<5.23E-05	<4.88E-05	<5.22E-05	0.00013	<5.22E-05	<5.13E-05	0.00011	<5.25E-05	<5.12E-05	<5.22E-05	<5.22E-05	<5.22E-05	<5.19E-05	<5.12E-05
T-214		<5.38E-05	<5.02E-05	<5.36E-05	<5.02E-05	<5.36E-05	<5.27E-05	<4.89E-05	<5.40E-05	<5.27E-05	<5.36E-05	<5.36E-05	<5.36E-05	<5.33E-05	<5.27E-05
T-301		0.00033	<7.96E-05	<8.51E-05	<7.96E-05	0.00049	<8.36E-05	<7.76E-05	<8.56E-05	0.00055	<8.51E-05	<8.51E-05	<8.51E-05	<8.46E-05	<8.35E-05
T-302		<4.72E-05	0.00013	<4.70E-05	<4.40E-05	0.00044	<4.62E-05	<4.29E-05	0.00021	0.00017	<4.70E-05	0.00016	<4.70E-05	<4.68E-05	<4.62E-05
T-303		<5.10E-05	<4.76E-05	<5.08E-05	<4.76E-05	<5.08E-05	<5.00E-05	<4.64E-05	<5.12E-05	<5.00E-05	<5.08E-05	<5.08E-05	<5.08E-05	<5.05E-05	<4.99E-05
T-304		<5.84E-05	<5.45E-05	<5.82E-05	<5.45E-05	<5.82E-05	0.00037	<5.31E-05	<5.86E-05	<5.72E-05	<5.82E-05	<5.82E-05	<5.82E-05	<5.79E-05	<5.72E-05
T-305		<8.95E-05	<8.35E-05	<8.92E-05	<8.35E-05	0.00027	0.00019	0.00031	<8.98E-05	<8.76E-05	0.00064	<8.92E-05	0.00015	0.00101	<8.76E-05
T-306		<1.91E-04	0.00078	0.00214	<1.78E-04	<1.90E-04	<1.87E-04	0.00040	<1.91E-04	<1.87E-04	<1.90E-04	<1.90E-04	<1.90E-04	<1.89E-04	<1.87E-04
T-307		<6.80E-05	<6.35E-05	<6.78E-05	<6.35E-05	0.00046	<6.67E-05	0.00015	0.00028	<6.66E-05	<6.78E-05	0.00018	<6.78E-05	<6.74E-05	<6.66E-05
T-308		<7.13E-05	<6.65E-05	<7.11E-05	<6.65E-05	<7.11E-05	<6.99E-05	<6.49E-05	<7.15E-05	<6.98E-05	<7.11E-05	<7.11E-05	<7.11E-05	<7.07E-05	<6.98E-05
T-309		<4.81E-05	<4.48E-05	<4.79E-05	<4.48E-05	<4.79E-05	<4.71E-05	<4.37E-05	<4.82E-05	<4.71E-05	<4.79E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.71E-05
T-310		<5.96E-05	<5.56E-05	<5.95E-05	<5.56E-05	0.00027	<5.85E-05	<5.43E-05	<5.99E-05	<5.84E-05	<5.95E-05	<5.95E-05	<5.95E-05	<5.91E-05	<5.84E-05
T-311		<6.93E-05	<6.46E-05	<6.91E-05	<6.46E-05	<6.91E-05	<6.79E-05	<6.30E-05	<6.95E-05	<6.79E-05	<6.91E-05	<6.91E-05	<6.91E-05	<6.87E-05	<6.78E-05
T-312		0.00067	0.00119	0.00122	0.00163	<5.36E-05	0.00066	<4.89E-05	0.00036	<5.26E-05	0.00029	0.00013	0.00048	<5.32E-05	<5.26E-05
T-313		<4.27E-05	<3.99E-05	<4.26E-05	<3.99E-05	<4.26E-05	<4.19E-05	<3.89E-05	<4.29E-05	<4.19E-05	<4.26E-05	<4.26E-05	<4.26E-05	<4.24E-05	<4.18E-05
T-314		<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.71E-05	<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05
T-401		<7.82E-05	<7.30E-05	<7.80E-05	0.00039	<7.80E-05	<7.67E-05	<7.12E-05	<7.85E-05	<7.66E-05	<7.80E-05	<7.80E-05	<7.80E-05	<7.76E-05	<7.66E-05
T-402		<6.71E-05	<6.26E-05	<6.69E-05	<6.26E-05	0.00017	<6.58E-05	<6.11E-05	<6.74E-05	<6.58E-05	<6.69E-05	<6.69E-05	<6.69E-05	<6.66E-05	<6.57E-05
T-403		<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.72E-05	<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05
T-404		<9.96E-05	<9.30E-05	<9.94E-05	<9.30E-05	<9.94E-05	<9.77E-05	<9.07E-05	<1.00E-04	<9.76E-05	<9.94E-05	<9.94E-05	<9.94E-05	<9.88E-05	<9.76E-05
T-405		<5.08E-05	<4.74E-05	<5.07E-05	<4.74E-05	<5.07E-05	<4.98E-05	<4.62E-05	<5.10E-05	<4.98E-05	<5.07E-05	<5.07E-05	<5.07E-05	<5.04E-05	<4.97E-05
T-406		<6.35E-05	<5.92E-05	<6.33E-05	<5.92E-05	<6.33E-05	<6.22E-05	<5.78E-05	<6.37E-05	<6.22E-05	<6.33E-05	<6.33E-05	<6.33E-05	<6.29E-05	<6.22E-05
T-407		<4.66E-05	<4.35E-05	<4.64E-05	<4.35E-05	<4.64E-05	<4.57E-05	<4.24E-05	<4.67E-05	<4.56E-05	<4.64E-05	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05
T-408		<5.43E-05	<5.07E-05	<5.42E-05	<5.07E-05	<5.42E-05	<5.33E-05	<4.95E-05	<5.45E-05	<5.33E-05	<5.42E-05	<5.42E-05	<5.42E-05	<5.39E-05	<5.32E-05
T-409		<5.30E-05	<4.95E-05	<5.29E-05	<4.95E-05	<5.29E-05	<5.20E-05	<4.82E-05	<5.32E-05	<5.20E-05	<5.29E-05	<5.29E-05	<5.29E-05	<5.26E-05	<5.19E-05
T-410		<4.59E-05	<4.28E-05	<4.58E-05	<4.28E-05	<4.58E-05	<4.50E-05	<							

Tabla 4.4 Flujo Compuestos de ORS (mg/m²-min).

[illegible]

Nota: Los compuestos sombreados en magenta no tuvieron defectos para este evento de prueba. El valor proporcionado para estos compuestos derivó de la hipótesis de que la concentración medida era igual a ½ del límite de detección del método.

5. Análisis de Datos

Distribución de la Zona de Celdas

La Tabla 5.1 muestra cómo se distribuyeron los puntos de datos de las cámaras de flujo individuales para calcular el valor del flujo promedio para la celda de la cuadrícula de prueba. Se realizaron cuatro mediciones en cada celda de prueba. Las cuatro mediciones se pusieron como objetivo para que representen la concentración analizada de emisiones bajas (mitad inferior), de emisiones medias (entre la mitad inferior y el 10% superior), de emisiones altas (el 10% superior) y máximas, en la celda de prueba. Por lo tanto, la medición baja objetivo representó el 50% del área de las celdas, la medición media representó el 40% de la zona de las celdas, la medición alta representó el 10% de la zona de las celdas y la medición máxima representó la zona de la cámara de flujo, 0.13 m². Pero los valores reales fueron sustancialmente diferentes a los valores objetivo. La Tabla 5.1 muestra los valores calculados de la distribución, en base al análisis del estudio de la celda interior. La base del cálculo se indica en el Apéndice 2.

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

Categoría	Subconjunto	Rep	Distribución de las Celdas			
		Celda	Bajo	Medio	Alto	Máx.
Zona de Excesos		87	54%	21%	25%	0.003%
Zona Reactiva	Alto	213	38%	54%	8%	0.003%
Zona Reactiva	Medio	197	58%	21%	21%	0.003%
Zona Reactiva	Medio	195	74%	15%	12%	0.003%
Zona Reactiva	Bajo	149	56%	32%	12%	0.003%
Membrana	Alto	204	70%	22%	7%	0.003%
Membrana	Bajo	183	31%	31%	19%	19%
Resistencia de la interfaz	Alto	75	67%	22%	15%	0.003%
Resistencia de la interfaz	Medio	158	85%	6%	9%	0.003%
Resistencia de la interfaz	Medio	211	74%	16%	10%	0.003%
Resistencia de la interfaz	Bajo	76	21%	16%	63%	0.003%
Zona No Reactiva	Alto	232	70%	18%	12%	0.003%
Zona No Reactiva	Medio	131	25%	25%	25%	25%
Zona No Reactiva	Medio	86	47%	29%	26%	0.003%
Zona No Reactiva	Bajo	133	36%	36%	16%	16%

El valor de flujo promedio de la celda se calculó multiplicando el factor de distribución apropiado (consulte la Tabla 5.1) por el valor del flujo medido para cada posición. Se asumió que la lectura máxima era válida únicamente bajo la cámara de flujo, un área de 0.13 m², porque la lectura máxima únicamente se representa en un punto de la cuadrícula. Ninguna otra parte de la cuadrícula está representada por la lectura máxima. Se debe tener en cuenta que algunas de las celdas de la cuadrícula tuvieron los mismos valores o valores similares al estudio y por lo tanto no hay un máximo identificable. Para estas celdas, la asignación de la superficie al valor "Máximo" es mayor al valor del 0.003% asignado a las celdas que sí tuvieron un valor máximo identificable.

Cálculos de las Emisiones

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

Tabla 5.2 Cálculos de Emisiones de Metano.

Modelo de Cálculo de Alta Resolución												
Categoría	Subconjunto	Rep		Flujo (mg/m ² - min)					Rep. del Área		Emisiones	
		Celda	M?	Bajo	Medio	Alto	Máx.	Promedio Ponderado	(pies ²)	(m ²)	(mg/min.)	(lb./yardas)
Zona de Excesos		87		0.2652	0.0867	2.2970	109.6036	0.7385	1,103,258	102,496	75690	87,705
Zona Reactiva	Alto	213		0.0658	2.3042	0.0370	0.0235	1.2689	241,924	22,475	28519	33,045
Zona Reactiva	Medio	197		0.0795	36.1089	8.8978	0.4287	9.5211	371,049	34,472	<1.65E+05	<1.91E+05
Zona Reactiva	Medio	195		0.0234	0.0453	0.0569	<1.14E-02	<3.05E-02				
Zona Reactiva	Bajo	149		<1.14E-02	0.0358	0.1765	8.3607	<3.93E-02	908,877	84,437	<3.32E+03	<3.84E+03
Membrana	Alto	204	M	<1.04E-02	<1.60E-02	<1.07E-02	<1.07E-02	<1.17E-02	623,066	57,885	<6.75E+02	<7.82E+02
Membrana	Bajo	183	M	<1.03E-02	<1.10E-02	<1.14E-02	<9.76E-03	<1.06E-02	1,086,870	100,974	<1.07E+03	<1.24E+03
Resistencia de la interfaz	Alto	75		<1.09E-02	<1.20E-02	0.0648	4.9832	<1.97E-02	176,235	16,373	<3.22E+02	<3.73E+02
Resistencia de la interfaz	Medio	158		0.0774	0.1246	<9.82E-03	0.1442	<7.42E-02	229,530	21,324	<1.44E+03	<1.67E+03
Resistencia de la interfaz	Medio	211	P	<1.12E-02	0.3204	<8.89E-03	<1.31E-02	<6.08E-02				
Resistencia de la interfaz	Bajo	76	P	<1.17E-02	<1.01E-02	0.4235	7.8117	<2.72E-01	554,198	51,487	<1.40E+04	<1.62E+04
Zona No Reactiva	Alto	232		0.0912	0.0526	9.8865	23.3767	1.2722	1,422,799	132,182	168167	194,860
Zona No Reactiva	Medio	131		<1.04E-02	<1.15E-02	<1.01E-02	<1.18E-02	<1.10E-02	1,836,684	170,634	<5.93E+03	<6.87E+03
Zona No Reactiva	Medio	86		0.0613	0.0518	0.0544	0.0431	0.0585				
Zona No Reactiva	Bajo	133		<1.15E-02	<1.06E-02	<1.22E-02	<1.55E-02	<1.23E-02	3,704,751	344,183	<4.22E+03	<4.89E+03
Área No SEM								<4.11E-01	646,053	60,020	<2.47E+04	<2.86E+04
Total									12,905,294	1,198,941	<4.93E+05	<5.71E+05
												(Toneladas Por Año)
										Zona de Excesos		43.85
										Zona Reactiva		<1.14E+02
										Membrana		<1.01E+00
										Resistencia de la interfaz		<9.13E+00
										Zona No Reactiva		<1.03E+02
										Flujo Promedio (mg/m2-min)		<4.11E-01
										Flujo en la Zona Reactiva (mg/m2-m)		<5.89E-01
										Flujo en la Zona No Reactiva (mg/m2-m)		<2.76E-01
										Flujo en la Membrana (mg/m2- min)		<1.10E-02
										Flujo en la Interfaz (mg/m2-min)		<1.77E-01
Modelo de Cálculo de Legado												
Categoría	Subconjunto	Rep		Flujo (mg/m ² - min)					Rep. del Área		Emisiones	
		Celda	M?	Bajo	Medio	Alto	Máx.	Promedio Ponderado	(pies ²)	(m ²)	(mg/min.)	(Toneladas Por Año)
Zona de Excesos		87		0.2652	0.0867	2.2970	109.6036	0.7385	1,103,258	102,496	75690	87,705
Zona Reactiva	Alto	75		<1.09E-02	<1.20E-02	0.0648	4.9832	<1.97E-02	720,877	66,972	<1.32E+03	<1.53E+03
Zona Reactiva	Medio	204	M	<1.04E-02	<1.60E-02	<1.07E-02	<1.07E-02	<1.17E-02	1,320,197	122,650	<5.27E+03	<6.10E+03
Zona Reactiva	Medio	158		0.0774	0.1246	<9.82E-03	0.1442	<7.42E-02				
Zona Reactiva	Bajo	76		<1.17E-02	<1.01E-02	0.4235	7.8117	<2.72E-01	2,150,675	199,804	<5.43E+04	<6.29E+04
Zona No Reactiva	Alto	232		0.0912	0.0526	9.8865	23.3767	1.2722	1,422,799	132,182	168167	194,860
Zona No Reactiva	Medio	131		<1.04E-02	<1.15E-02	<1.01E-02	<1.18E-02	<1.10E-02	1,836,684	170,634	<5.93E+03	<6.87E+03
Zona No Reactiva	Medio	86		0.0613	0.0518	0.0544	0.0431	0.0585				
Zona No Reactiva	Bajo	133		<1.15E-02	<1.06E-02	<1.22E-02	<1.55E-02	<1.23E-02	3,704,751	344,183	<4.22E+03	<4.89E+03
Área No SEM								<2.76E-01	646,053	60,020	5,576	<1.92E+04
Total									12,905,294	1,198,941	<3.15E+05	<3.65E+05
												(Toneladas Por Año)
										Zona de Excesos		43.85
										Zona Reactiva		<3.53E+01
										Zona No Reactiva		<1.03E+02
										Flujo Promedio (mg/m2-min)		<2.76E-01
										Flujo en la Membrana (mg/m2- min)		<1.16E-02

(bajo, medio, alto y máx.) se promedian en base a la distribución de zonas descrita arriba. El valor de flujo de celda promedio (columna "Promedio Ponderado") después se multiplica por el área representada por esa celda de la cuadrícula para llegar a las emisiones totales. Las emisiones se calcularon y se presentaron utilizando la metodología de cálculo indicada en el protocolo de prueba. Se calcularon las emisiones para todos los compuestos utilizando los modelos de análisis de datos de "Alta Resolución" y de "Legado". El análisis de "Alta Resolución" utilizó todos los datos tomados y los resultados del informe primario se basan en esos datos. El análisis de "Legado" utilizó un subconjunto de los datos tomados y se basó en las categorías de los orígenes que se usaban históricamente para evaluar las emisiones de aire. Como se muestra a continuación, ambos métodos, en su mayoría, entregaron los mismos resultados.

No se detectó monóxido de carbono o hidrógeno en ninguna de las muestras y no se cuantificó de ninguna manera.

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

Resumen de las Emisiones

Las Tablas 5.3 y 5.4 resumen las emisiones totales en la superficie del sitio en toneladas por año utilizando el Método de Análisis de Alta Resolución. Las Tablas 5.5 y 5.6 resumen las emisiones totales en la superficie del sitio en toneladas por año utilizando el Método de Análisis de Datos de Legado. Aunque los datos de las emisiones se presentan en toneladas por año, debe resaltarse que estos índices de emisiones únicamente son válidos por el período de tiempo que dura el evento de muestreo y no está previsto que impliquen que las emisiones en los siguientes 365 días sean iguales a estos valores. Todos los datos de laboratorio informados como "no detectados" se cuantificaron a la mitad del límite de detección del método (MDL) para los cálculos de las emisiones. Además, el índice de flujo promedio para cada compuesto se proporciona en mg/m²-min en cada una de las tablas. Los datos resaltados en azul son valores del flujo de las ubicaciones de prueba sobre la cubierta de membrana de polímero.

Tabla 5.3 Resumen de Emisiones en la Superficie del Sitio; CO2, Metano, VOC, TO-14 y Compuestos de 307-91. [Análisis de Datos de Alta Resolución](#)

Categoría	Subconjunto	Unidades	Dióxido de carbono	Metano	VOC (TO-12 C1)		TO-14						ORS 307-91			
							Benceno TO-14	Propano TO-14	o-xileno TO-14	m,p-xileno TO-14	Tolueno TO-14		Azufre Total Reducido	Ácido Sulfhídrico	Metilmercaptano	Sulfuro de Dimetilo
Zona de Excesos		Toneladas Por Año	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Zona Reactiva	Alto	Toneladas Por Año	1,415	16.52	<1.57E-01		0.0021	<2.84E-03	<1.61E-03	<2.48E-03	<1.91E-03		<2.41E-03	<2.41E-03	<3.40E-03	<4.39E-03
Zona Reactiva	Medio	Toneladas Por Año	2,861	<9.54E+01	0.39		<6.37E-03	<6.57E-03	<1.07E-02	<2.38E-02	<5.09E-03		<4.71E-03	<4.71E-03	<6.65E-03	<8.59E-03
Zona Reactiva	Bajo	Toneladas Por Año	1,655	<1.92E+00	<9.35E-02		<7.05E-03	<8.94E-03	<2.47E-03	<2.47E-03	<2.44E-03		<7.91E-03	<7.91E-03	<1.12E-02	<1.44E-02
Membrana	Alto	Toneladas Por Año	<2.15E+02	<3.91E-01	<8.81E-02		<3.55E-03	<6.13E-03	<1.75E-03	<2.49E-03	<2.03E-03		<5.62E-03	<5.62E-03	<7.93E-03	<1.02E-02
Membrana	Bajo	Toneladas Por Año	<3.42E+02	<6.22E-01	0.22		<2.71E-02	<7.85E-03	<3.22E-03	<5.83E-03	<5.52E-03		<8.75E-03	<8.75E-03	<1.23E-02	<1.59E-02
Resistencia de la interfaz	Alto	Toneladas Por Año	688	<1.87E-01	<1.96E-02		<8.05E-04	<1.80E-03	<4.88E-04	<4.88E-04	<4.84E-04		<1.57E-03	<1.57E-03	<2.21E-03	<2.86E-03
Resistencia de la interfaz	Medio	Toneladas Por Año	<9.04E+02	<8.34E-01	<4.46E-02		<2.01E-03	<2.00E-03	<1.86E-03	<9.88E-04	<7.41E-04		<5.24E-03	<5.16E-03	<3.39E-03	<4.37E-03
Resistencia de la interfaz	Bajo	Toneladas Por Año	<7.66E+03	<8.11E+00	0.20		<1.78E-02	<8.02E-03	<6.18E-03	<6.18E-03	<6.13E-03		<1.98E-02	<1.98E-02	<2.80E-02	<3.62E-02
Zona No Reactiva	Alto	Toneladas Por Año	9,922	97.43	0.65		<2.00E-02	0.0192	<2.25E-02	<6.68E-03	<7.52E-03		<2.14E-02	<2.14E-02	<3.02E-02	<3.91E-02
Zona No Reactiva	Medio	Toneladas Por Año	5,605	<3.43E+00	<3.53E-01		<1.94E-02	<1.51E-02	<1.21E-02	<7.68E-03	<5.32E-03		<1.72E-02	<1.72E-02	<2.43E-02	<3.14E-02
Zona No Reactiva	Bajo	Toneladas Por Año	3,999	<2.44E+00	<1.90E-01		<2.27E-02	<2.10E-02	<1.10E-02	<1.10E-02	<1.09E-02		<3.52E-02	<3.52E-02	<4.97E-02	<6.42E-02
Área No SEM		Toneladas Por Año	<2.34E+03	<1.43E+01	<1.31E-01		<7.05E-03	<5.60E-03	<4.16E-03	<3.96E-03	<2.80E-03		<7.70E-03	<7.69E-03	<1.07E-02	<1.38E-02
Total		Toneladas Por Año	<4.67E+04	<2.85E+02	<2.61E+00		<1.41E-01	<1.12E-01	<8.31E-02	<7.90E-02	<5.59E-02		<1.54E-01	<1.54E-01	<2.13E-01	<2.75E-01
Zona de Excesos		Toneladas Por Año	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Zona Reactiva		Toneladas Por Año	5,930	<1.14E+02	<6.37E-01		<1.55E-02	<1.83E-02	<1.48E-02	<2.87E-02	<9.44E-03		<1.50E-02	<1.50E-02	<2.12E-02	<2.74E-02
Membrana		Toneladas Por Año	<5.57E+02	<1.01E+00	<3.07E-01		<3.06E-02	<1.40E-02	<4.97E-03	<8.32E-03	<7.55E-03		<1.44E-02	<1.44E-02	<2.03E-02	<2.62E-02
Resistencia de la interfaz		Toneladas Por Año	<9.25E+03	<9.13E+00	<2.61E-01		<2.06E-02	<1.18E-02	<8.53E-03	<7.66E-03	<7.35E-03		<2.66E-02	<2.66E-02	<3.36E-02	<4.34E-02
Zona No Reactiva		Toneladas Por Año	19,525	<1.03E+02	<1.19E+00		<6.21E-02	<5.53E-02	<4.56E-02	<2.53E-02	<2.37E-02		<7.39E-02	<7.39E-02	<1.04E-01	<1.35E-01
Flujo Promedio		mg/m2-min.	<6.72E+01	<4.11E-01	<3.76E-03		<2.03E-04	<1.61E-04	<1.20E-04	<1.14E-04	<8.04E-05		<2.21E-04	<2.21E-04	<3.06E-04	<3.96E-04
Flujo en la Zona Reactiva		mg/m2-min.	87	<5.89E-01	<4.51E-03		<2.52E-04	<1.79E-04	<1.17E-04	<1.75E-04	<1.03E-04		<2.53E-04	<2.53E-04	<3.44E-04	<4.44E-04
Flujo en la Zona No Reactiva		mg/m2-min.	52	<2.76E-01	<3.18E-03		<1.66E-04	<1.47E-04	<1.22E-04	<6.76E-05	<6.33E-05		<1.97E-04	<1.97E-04	<2.78E-04	<3.59E-04
Flujo en la Membrana		mg/m2-min.	<6.05E+00	<1.10E-02	<3.34E-03		<3.33E-04	<1.52E-04	<5.41E-05	<9.04E-05	<8.20E-05		<1.56E-04	<1.56E-04	<2.20E-04	<2.85E-04
Flujo en la Interfaz		mg/m2-min.	<1.79E+02	<1.77E-01	<5.05E-03		<3.99E-04	<2.29E-04	<1.65E-04	<1.48E-04	<1.42E-04		<5.16E-04	<5.14E-04	<6.50E-04	<8.40E-04

Tabla 5.4 Resumen de Emisiones en la Superficie del Sitio, Compuestos de TO-15. **Análisis de Datos de Alta Resolución**

Categoría	Subconjunto	Unidades	Acetona	Metanol	Benceno	Isopropilolueno	Etolol	2-Butanona (MEK)	Tolueno	Acroleína	Propileno	m,p-Xileno	o-Xileno	Etilbenceno	2-propanol (alcohol isopropílico)	Disulfuro de carbono	Ciclohexano	Tetracloretileno (PCE)	Tetrahidrofurano
Zona de Excesos		Toneladas Por Año	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Zona Reactiva	Alto	Toneladas Por Año	0.0155	0.0086	<1.29E-03	<5.63E-03	<1.91E-03	<7.33E-03	<8.72E-04	<4.95E-04	<1.33E-03	<4.95E-04	<4.95E-04	<4.95E-04	<5.69E-04	<3.55E-04	<2.43E-03	<2.34E-03	<1.73E-04
Zona Reactiva	Medio	Toneladas Por Año	<7.36E-02	0.0720	<5.57E-03	<1.61E-02	<6.05E-03	<1.32E-02	<1.71E-03	<7.17E-03	0.0035	<9.77E-03	<5.07E-03	<9.70E-04	<1.11E-03	<6.94E-04	<1.83E-03	<3.67E-04	<3.47E-04
Zona Reactiva	Bajo	Toneladas Por Año	<7.46E-03	<2.87E-03	<8.26E-03	<4.18E-03	<3.58E-03	<1.10E-03	<2.87E-03	<8.60E-04	<3.63E-03	<1.63E-03	<1.63E-03	<1.63E-03	<1.87E-03	<1.17E-03	<6.65E-04	<6.16E-04	<5.69E-04
Membrana	Alto	Toneladas Por Año	<4.83E-03	<1.76E-03	<3.61E-03	<4.41E-03	<2.54E-03	<7.85E-04	<2.32E-03	<6.11E-04	<6.17E-04	<3.55E-03	<1.29E-03	<1.27E-03	<1.33E-03	<8.28E-04	<4.72E-04	<4.37E-04	<4.04E-04
Membrana	Bajo	Toneladas Por Año	<6.09E-03	<2.74E-03	<1.79E-02	<1.25E-02	<3.95E-03	<1.22E-03	<5.37E-03	<9.50E-04	<2.25E-03	<6.10E-03	<2.63E-03	<2.73E-03	<2.07E-03	<1.29E-03	<7.35E-04	<6.81E-04	<6.29E-04
Resistencia de la interfaz	Alto	Toneladas Por Año	<3.00E-03	0.0031	<8.40E-04	<8.27E-04	<7.09E-04	<2.19E-04	<5.67E-04	<1.70E-04	<1.28E-04	<3.22E-04	<3.22E-04	<3.22E-04	<3.70E-04	<2.31E-04	<1.32E-04	<1.22E-04	<1.13E-04
Resistencia de la interfaz	Medio	Toneladas Por Año	<5.93E-03	<1.07E-03	<1.36E-03	<1.27E-03	<1.08E-03	<3.89E-04	<8.69E-04	<2.61E-04	<1.96E-04	<4.93E-04	<4.93E-04	<4.93E-04	<5.67E-04	<3.54E-04	<2.02E-04	<1.87E-04	<1.73E-04
Resistencia de la interfaz	Bajo	Toneladas Por Año	<2.39E-02	<3.28E-02	<1.06E-02	<1.05E-02	<8.96E-03	<2.77E-03	<7.18E-03	<2.16E-03	<1.62E-03	<4.08E-03	<4.08E-03	<4.08E-03	<4.69E-03	<2.92E-03	<1.67E-03	<1.54E-03	<1.43E-03
Zona No Reactiva	Alto	Toneladas Por Año	<1.24E-01	0.1248	0.0397	<1.13E-02	<9.68E-03	<2.99E-03	<7.76E-03	<2.03E-02	<1.95E-02	<4.41E-03	<4.41E-03	<4.41E-03	<5.06E-03	<3.16E-03	<3.59E-03	<1.67E-03	<1.54E-03
Zona No Reactiva	Medio	Toneladas Por Año	<1.19E-01	<8.73E-02	<1.36E-02	<1.44E-02	<7.79E-03	<2.33E-02	<6.24E-03	<6.75E-03	<4.60E-03	<3.55E-03	<3.55E-03	<3.55E-03	<4.07E-03	<2.54E-03	<1.45E-03	<1.34E-03	<1.24E-03
Zona No Reactiva	Bajo	Toneladas Por Año	<3.36E-02	<1.52E-02	<1.89E-02	<1.86E-02	<1.59E-02	<7.34E-03	<1.28E-02	<3.83E-03	<7.95E-03	<7.24E-03	<7.24E-03	<7.24E-03	<8.32E-03	<1.04E-02	<2.96E-03	<5.78E-03	<2.53E-03
Área No SEM		Toneladas Por Año	<2.71E-02	<2.24E-02	<6.87E-03	<5.70E-03	<5.29E-03	<3.68E-03	<2.87E-03	<2.74E-03	<2.46E-03	<2.37E-03	<1.82E-03	<1.61E-03	<1.78E-03	<1.39E-03	<9.22E-04	<8.61E-04	<5.44E-04
Total		Toneladas Por Año	<5.42E-01	<4.47E-01	<1.37E-01	<1.14E-01	<1.06E-01	<7.35E-02	<5.72E-02	<5.48E-02	<4.91E-02	<4.73E-02	<3.63E-02	<3.21E-02	<3.56E-02	<2.77E-02	<1.84E-02	<1.72E-02	<1.09E-02
Zona de Excesos		Toneladas Por Año	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Zona Reactiva		Toneladas Por Año	<9.65E-02	<8.35E-02	<1.51E-02	<2.59E-02	<1.15E-02	<2.16E-02	<5.44E-03	<8.53E-03	<8.44E-03	<1.19E-02	<7.19E-03	<3.09E-03	<3.55E-03	<2.22E-03	<4.93E-03	<3.32E-03	<1.09E-03
Membrana		Toneladas Por Año	<1.09E-02	<4.50E-03	<2.15E-02	<1.70E-02	<6.49E-03	<2.01E-03	<7.69E-03	<1.56E-03	<2.87E-03	<9.65E-03	<3.92E-03	<4.00E-03	<3.39E-03	<2.12E-03	<1.21E-03	<1.12E-03	<1.03E-03
Resistencia de la interfaz		Toneladas Por Año	<3.28E-02	<3.69E-02	<1.28E-02	<1.26E-02	<1.08E-02	<3.38E-03	<8.62E-03	<2.59E-03	<1.94E-03	<4.90E-03	<4.90E-03	<4.90E-03	<5.62E-03	<3.51E-03	<2.00E-03	<1.85E-03	<1.71E-03
Zona No Reactiva		Toneladas Por Año	<2.77E-01	<2.27E-01	<7.21E-02	<4.42E-02	<3.34E-02	<3.36E-02	<2.68E-02	<3.09E-02	<3.21E-02	<1.52E-02	<1.52E-02	<1.52E-02	<1.75E-02	<1.61E-02	<8.00E-03	<8.79E-03	<5.31E-03
Flujo Promedio		mg/m2-min.	<7.80E-04	<6.44E-04	<1.97E-04	<1.64E-04	<1.52E-04	<1.06E-04	<8.24E-05	<7.89E-05	<7.07E-05	<6.81E-05	<5.23E-05	<4.62E-05	<5.13E-05	<3.99E-05	<2.65E-05	<2.48E-05	<1.56E-05
Flujo en la Zona Reactiva		mg/m2-min.	<8.35E-04	<6.93E-04	<2.04E-04	<2.24E-04	<2.35E-04	<1.27E-04	<9.69E-05	<7.43E-05	<5.11E-05	<1.04E-04	<6.78E-05	<5.37E-05	<5.75E-05	<3.59E-05	<3.33E-05	<2.65E-05	<1.75E-05
Flujo en la Zona No Reactiva		mg/m2-min.	<7.39E-04	<6.06E-04	<1.92E-04	<1.18E-04	<8.90E-05	<8.97E-05	<7.14E-05	<8.24E-05	<8.56E-05	<4.05E-05	<4.05E-05	<4.05E-05	<4.66E-05	<4.29E-05	<2.13E-05	<2.34E-05	<1.42E-05
Flujo en la Membrana		mg/m2-min.	<1.19E-04	<4.89E-05	<2.34E-04	<1.84E-04	<7.05E-05	<2.18E-05	<8.36E-05	<1.70E-05	<3.12E-05	<1.05E-04	<4.26E-05	<4.34E-05	<3.69E-05	<2.30E-05	<1.31E-05	<1.21E-05	<1.12E-05
Flujo en la Interfaz		mg/m2-min.	<6.35E-04	<7.15E-04	<2.48E-04	<2.43E-04	<2.08E-04	<6.54E-05	<1.67E-04	<5.00E-05	<3.75E-05	<9.47E-05	<9.47E-05	<9.47E-05	<1.09E-04	<6.79E-05	<3.87E-05	<3.59E-05	<3.31E-05

Tabla 5.5 Resumen de Emisiones en la Superficie del Sitio; CO2, Metano, VOC, TO-14 y Compuestos de 307-91. [Análisis de Datos de Legado](#)

Categoría	Subconjunto	Unidades	Dióxido de carbono	Metano	VOC (TO-12 C1)	TO-14					ORS 307-91			
						Benceno TO-14	Propano TO-14	o-xileno TO-14	m,p-xileno TO-14	Tolueno TO-14	Azúfre Total Reducido	Ácido Sulfidrico	Metilmercaptano	Sulfuro de Dimetilo
Zona de Excesos		Toneladas Por Año	9,099	43.85	<8.05E-02	<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03	<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Zona Reactiva	Alto	Toneladas Por Año	2,816	<7.63E-01	<8.03E-02	<3.29E-03	<7.35E-03	<2.00E-03	<2.00E-03	<1.98E-03	<6.41E-03	<6.41E-03	<9.05E-03	<1.17E-02
Zona Reactiva	Medio	Toneladas Por Año	<2.59E+03	<3.05E+00	<2.72E-01	<1.35E-02	<1.57E-02	<1.07E-02	<6.49E-03	<4.60E-03	<1.39E-02	<1.39E-02	<1.96E-02	<2.53E-02
Zona Reactiva	Bajo	Toneladas Por Año	<2.97E+04	<3.15E+01	0.76	<6.92E-02	<3.11E-02	<2.40E-02	<2.40E-02	<2.38E-02	<7.70E-02	<7.70E-02	<1.09E-01	<1.40E-01
Zona No Reactiva	Alto	Toneladas Por Año	9,922	97.43	0.65	<2.00E-02	0.0192	<2.25E-02	<6.68E-03	<7.52E-03	<2.14E-02	<2.14E-02	<3.02E-02	<3.91E-02
Zona No Reactiva	Medio	Toneladas Por Año	5,605	<3.43E+00	<3.53E-01	<1.94E-02	<1.51E-02	<1.21E-02	<7.68E-03	<5.32E-03	<1.72E-02	<1.72E-02	<2.43E-02	<3.14E-02
Zona No Reactiva	Bajo	Toneladas Por Año	3,999	<2.44E+00	<1.90E-01	<2.27E-02	<2.10E-02	<1.10E-02	<1.10E-02	<1.09E-02	<3.52E-02	<3.52E-02	<4.97E-02	<6.42E-02
Área No SEM		Toneladas Por Año	<3.36E+03	<9.61E+00	<1.26E-01	<8.06E-03	<6.12E-03	<4.60E-03	<3.31E-03	<3.11E-03	<9.87E-03	<9.87E-03	<1.39E-02	<1.80E-02
Total		Toneladas Por Año	<6.71E+04	<1.92E+02	<2.51E+00	<1.61E-01	<1.22E-01	<9.20E-02	<6.62E-02	<6.22E-02	<1.97E-01	<1.97E-01	<2.78E-01	<3.60E-01
Zona de Excesos		Toneladas Por Año	9,099	43.85	<8.05E-02	<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03	<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Zona Reactiva		Toneladas Por Año	<3.51E+04	<3.53E+01	<1.12E+00	<8.60E-02	<5.42E-02	<3.67E-02	<3.25E-02	<3.03E-02	<9.73E-02	<9.73E-02	<1.37E-01	<1.77E-01
Zona No Reactiva		Toneladas Por Año	19,525	<1.03E+02	<1.19E+00	<6.21E-02	<5.53E-02	<4.56E-02	<2.53E-02	<2.37E-02	<7.39E-02	<7.39E-02	<1.04E-01	<1.35E-01
Flujo Promedio		mg/m2-min.	<9.66E+01	<2.76E-01	<3.62E-03	<2.32E-04	<1.76E-04	<1.32E-04	<9.53E-05	<8.95E-05	<2.84E-04	<2.84E-04	<4.01E-04	<5.18E-04
Flujo en la Membrana		mg/m2-min.	<9.78E+00	<1.16E-02	<2.14E-03	<1.27E-04	<1.60E-04	<5.13E-05	<9.71E-05	<6.90E-05	<1.65E-04	<1.65E-04	<2.33E-04	<3.00E-04

Tabla 5.6 Resumen de Emisiones en la Superficie del Sitio, Compuestos de TO-15. [Análisis de Datos de Legado](#)

Categoría	Subconjunto	Unidades	Acetona	Metanol	Benceno	Isopropiltolueno	Etolanol	2-Butanona (MEK)	Tolueno	Acroleína	Propileno	m,p-Xileno	o-Xileno	Etilbenceno	2-propanol (alcohol isopropílico)	Disulfuro de carbono	Ciclohexano	Tetracloroetileno (PCE)	Tetrahidrofurano
Zona de Excesos		Toneladas Por Año	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Zona Reactiva	Alto	Toneladas Por Año	<1.23E-02	0.0125	<3.44E-03	<3.38E-03	<2.90E-03	<8.95E-04	<2.32E-03	<6.97E-04	<5.22E-04	<1.32E-03	<1.32E-03	<1.32E-03	<1.51E-03	<9.45E-04	<5.38E-04	<4.99E-04	<4.61E-04
Zona Reactiva	Medio	Toneladas Por Año	<2.53E-02	<4.35E-03	<8.07E-03	<8.86E-03	<6.27E-03	<1.94E-03	<5.33E-03	<1.51E-03	<1.30E-03	<5.39E-03	<2.99E-03	<2.97E-03	<3.28E-03	<2.04E-03	<1.17E-03	<1.08E-03	<9.98E-04
Zona Reactiva	Bajo	Toneladas Por Año	<9.26E-02	<1.27E-01	<4.13E-02	<4.06E-02	<3.48E-02	<1.07E-02	<2.79E-02	<8.36E-03	<6.27E-03	<1.58E-02	<1.58E-02	<1.58E-02	<1.82E-02	<1.13E-02	<6.47E-03	<5.99E-03	<5.54E-03
Zona No Reactiva	Alto	Toneladas Por Año	<1.24E-01	0.1248	0.0397	<1.13E-02	<9.68E-03	<2.99E-03	<7.76E-03	<2.03E-02	<1.95E-02	<4.41E-03	<4.41E-03	<4.41E-03	<5.06E-03	<3.16E-03	<3.59E-03	<1.67E-03	<1.54E-03
Zona No Reactiva	Medio	Toneladas Por Año	<1.19E-01	<8.73E-02	<1.36E-02	<1.44E-02	<7.79E-03	<2.33E-02	<6.24E-03	<6.75E-03	<4.60E-03	<3.55E-03	<3.55E-03	<3.55E-03	<4.07E-03	<2.54E-03	<1.45E-03	<1.34E-03	<1.24E-03
Zona No Reactiva	Bajo	Toneladas Por Año	<3.36E-02	<1.52E-02	<1.89E-02	<1.86E-02	<1.59E-02	<7.34E-03	<1.28E-02	<3.83E-03	<7.95E-03	<7.24E-03	<7.24E-03	<7.24E-03	<8.32E-03	<1.04E-02	<2.96E-03	<5.78E-03	<2.53E-03
Área No SEM		Toneladas Por Año	<2.66E-02	<2.34E-02	<7.04E-03	<5.57E-03	<6.09E-03	<2.98E-03	<3.59E-03	<2.63E-03	<2.19E-03	<2.16E-03	<2.04E-03	<2.04E-03	<2.33E-03	<1.73E-03	<9.24E-04	<9.29E-04	<7.10E-04
Total		Toneladas Por Año	<5.32E-01	<4.67E-01	<1.41E-01	<1.11E-01	<1.22E-01	<5.94E-02	<7.17E-02	<5.26E-02	<4.37E-02	<4.32E-02	<4.07E-02	<4.07E-02	<4.66E-02	<3.45E-02	<1.84E-02	<1.85E-02	<1.42E-02
Zona de Excesos		Toneladas Por Año	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Zona Reactiva		Toneladas Por Año	<1.30E-01	<1.44E-01	<5.28E-02	<5.29E-02	<4.39E-02	<1.36E-02	<3.55E-02	<1.06E-02	<8.10E-03	<2.25E-02	<2.01E-02	<2.01E-02	<2.30E-02	<1.43E-02	<8.17E-03	<7.57E-03	<7.00E-03
Zona No Reactiva		Toneladas Por Año	<2.77E-01	<2.27E-01	<7.21E-02	<4.42E-02	<3.34E-02	<3.36E-02	<2.68E-02	<3.09E-02	<3.21E-02	<1.52E-02	<1.52E-02	<1.52E-02	<1.75E-02	<1.61E-02	<8.00E-03	<8.79E-03	<5.31E-03
Flujo Promedio		mg/m2-min.	<7.65E-04	<6.73E-04	<2.02E-04	<1.60E-04	<1.75E-04	<8.56E-05	<1.03E-04	<7.57E-05	<6.29E-05	<6.22E-05	<5.86E-05	<5.86E-05	<6.71E-05	<4.97E-05	<2.66E-05	<2.67E-05	<2.04E-05
Flujo en la Membrana		mg/m2-min.	<1.32E-04	<5.17E-05	<1.25E-04	<1.76E-04	<7.44E-05	<2.30E-05	<7.75E-05	<1.79E-05	<2.33E-05	<8.34E-05	<4.21E-05	<4.06E-05	<3.89E-05	<2.43E-05	<1.38E-05	<1.28E-05	<1.19E-05

Observaciones Basadas en Datos

Tendencia de los Datos Globales

La Tabla 5.7 proporciona un comparativo de los índices de emisiones en todo el sitio (en toneladas/año) para los productos químicos seleccionados de los eventos de prueba de la cámara de flujo de agosto de 2023, marzo de 2024, noviembre de 2024, marzo de 2025 y julio de 2025.

Estos datos demuestran que, aunque hubo un importante aumento en las emisiones desde el Primer al Segundo evento de Prueba, resultantes de condiciones alteradas importantes que ocurrieron durante el Segundo Evento de Prueba, los resultados del Tercer, Cuarto y Quinto Evento de Prueba indican una reducción sustancial en las emisiones si se lo compara con eventos previos, para la mayoría de los compuestos especiados analizados. Esta tendencia probablemente es el resultado de mejoras en la recuperación de gas y en los sistemas de las cubiertas del Vertedero. Se debe tener en cuenta que, en la mayoría de los compuestos especiados, los resultados de laboratorio estuvieron cerca o por debajo del límite de detección del método. Por lo tanto, probablemente habrá mayores reducciones limitadas en las emisiones cuantificables de esos compuestos en futuros eventos, debido a las limitaciones en la realización de análisis químicos de las muestras de gas.

Para el Quinto Evento, no se detectaron sulfuro de dimetilo ni alcohol isopropílico en ninguna muestra; los valores informados, basados en la mitad del límite de detección de su método, fueron de 0.36 toneladas por año para sulfuro de dimetilo y de 0.04 toneladas por año para alcohol isopropílico. Estos resultados son de la metodología de análisis de datos de "Alta Resolución".

Tabla 5.7 Comparativo de Emisiones de Aire Superficiales en Todo el Sitio (toneladas por año) para los Cinco Eventos de Prueba.

Compuesto	Unidades	Evento				
		1 (8/23)	2 (3/24)	3 (11/24)	4 (3/25)	5 (7/25)
Dióxido de carbono	toneladas/año	41,312	327,049	216,177	100,526	46,702
Metano	toneladas/año	3,357	11,456	6,880	4,756	285
Total de VOCs	toneladas/año	207	853	61	26.1	2.6
Etanol	toneladas/año	18.3	NQ	0.42	0.23	0.11
Acetona	toneladas/año	17.6	51	1.30	1.38	0.54
Sulfuro de dimetilo	toneladas/año	15.2	57.9	0.93	0.95	ND
Tetrahidrofurano	toneladas/año	13.6	107	0.06	0.23	0.01
Benceno	toneladas/año	9.33	104	0.27	0.90	0.14
Metanol	toneladas/año	9.09	NQ	0.51	0.79	0.45
Metiletilcetona (MEK)	toneladas/año	9.06	51.2	0.24	0.30	0.07
Propileno	toneladas/año	6.62	29.8	0.69	0.41	0.05
Alcohol isopropílico (IPA)	toneladas/año	3.72	15.2	0.18	0.51	ND
Tolueno isopropílico	toneladas/año	3.25	13.7	0.25	0.42	0.11
Tolueno	toneladas/año	2.00	18.6	0.22	0.29	0.06
Total de Xilenos	toneladas/año	1.52	9.79	0.30	0.48	0.08
Etilbenceno	toneladas/año	1.14	10.1	0.16	0.20	0.03
Ácido sulfhídrico	toneladas/año	0.13	3.81	0.72	0.24	0.15
Nota: NQ = No Cuantificado, ND = No Detectado						

Hipótesis para el Cálculo del Límite de Detección del Método

Todas las emisiones informadas oficialmente se calcularon en base al uso de la mitad del límite de detección del método (MDL) para la concentración cuando no se detecta un compuesto ($ND = MDL/2$). La Tabla 5.8 muestra el impacto de esta hipótesis comparando los datos de $\frac{1}{2}$ MDL con un cálculo en el que se asume que un compuesto "No Detectado" es un valor de cero ($ND = 0$). Las emisiones de los compuestos resaltados en azul son las más impactadas por esta hipótesis. Se debe destacar que nunca se detectó compuestos, sulfuro de dimetilo o isopropanol para este evento. Las emisiones de casi todos los compuestos ahora están siendo impactadas por esta hipótesis de $\frac{1}{2}$ MDL. Para el análisis del Método 307-91 del SCAQMD, hubo seis (6) detecciones de 1,584 objetivos analíticos, que están resaltados en la Tabla 5.8 a continuación. De esas seis detecciones, cuatro fueron compuestos agrupados. El ácido sulfhídrico fue el único compuesto individual detectado y solo se detectó dos veces.

Llegar a que No haya Detecciones de Benceno, Tolueno y compuestos de azufre en 41 – 100% es un fuerte indicativo de concentraciones de emisiones bajas, en particular sin detecciones de sulfuro de dimetilo, reflejando la efectividad de las medidas de mitigación de Chiquita.

Tabla 5.8 Comparativo de la Hipótesis para el Cálculo del Límite de Detección del Método (Los compuestos más impactados están sombreados).

Compuesto	Unidades	ND = 0.5*MDL	ND = 0	% ND
Dióxido de carbono	Toneladas Por Año	46,702	46,070	1%
Metano	Toneladas Por Año	285.42	280.59	2%
VOC (TO-12 C1)	Toneladas Por Año	2.61	2.38	9%
Acetona	Toneladas Por Año	0.54	0.51	6%
Metanol	Toneladas Por Año	0.45	0.43	4%
Benceno	Toneladas Por Año	0.14	0.08	41%
Isopropiltolueno	Toneladas Por Año	0.11	0.04	65%
Etanol	Toneladas Por Año	0.11	0.05	55%
2-Butanona (MEK)	Toneladas Por Año	0.07	0.06	22%
Tolueno	Toneladas Por Año	0.06	0.00	92%
Acroleína	Toneladas Por Año	0.05	0.04	22%
Propileno	Toneladas Por Año	0.05	0.04	15%
m,p-Xileno	Toneladas Por Año	0.05	0.02	61%
o-Xileno	Toneladas Por Año	0.04	0.01	83%
Etilbenceno	Toneladas Por Año	0.03	0.00	95%
2-propanol (alcohol isopropílico)	Toneladas Por Año	0.04	0.00	100%
Disulfuro de carbono	Toneladas Por Año	0.03	0.01	77%
Ciclohexano	Toneladas Por Año	0.02	0.01	67%
Tetracloroetileno (PCE)	Toneladas Por Año	0.02	0.01	65%
Tetrahidrofurano	Toneladas Por Año	0.01	0.00	100%
TO-14				
Benceno TO-14	Toneladas Por Año	0.14	0.13	10%
Propano TO-14	Toneladas Por Año	0.11	0.09	21%
o-xileno TO-14	Toneladas Por Año	0.08	0.05	45%
m,p-xileno TO-14	Toneladas Por Año	0.08	0.04	55%
Tolueno TO-14	Toneladas Por Año	0.06	0.01	78%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.15	0.00	97%
Ácido Sulfhídrico	Toneladas Por Año	0.15	0.00	97%
Metilmercaptano	Toneladas Por Año	0.21	0.00	100%
Sulfuro de Dimetilo	Toneladas Por Año	0.27	0.00	100%

Emisiones de la Membrana

La Tabla 5.9 muestra las emisiones de la membrana comparadas con las emisiones totales. Al evento de este análisis, la zona cubierta por membrana era de 2,005,938 pies² de una superficie total de 12,900,697 pies² o el 15.5% del área total. Los compuestos con las emisiones de membrana de porcentaje alto pueden ser permeables por la membrana. Sin embargo, se debe tener en cuenta que la mayoría de estos compuestos, como se muestra arriba, están dominados sin detecciones, lo que significa que las emisiones masivas informadas de estos constituyentes probablemente están infladas por la hipótesis de que una no detección es igual en valor a la mitad del límite de detección. Este nivel de No Detecciones para el Total de Emisiones en la Membrana también demuestra la efectividad de las medidas de mitigación de Chiquita para mejorar las emisiones.

Tabla 5.9 Comparativo del Total de Emisiones con las Emisiones de la Membrana.

Compuesto	Unidades	Total de Emisiones en el Sitio	Emisiones de la Membrana	% Memb.
Dióxido de carbono	Toneladas Por Año	46,702	557	1%
Metano	Toneladas Por Año	285.42	1.01	0.4%
VOC (TO-12 C1)	Toneladas Por Año	2.61	0.31	12%
Acetona	Toneladas Por Año	0.542	0.0109	2%
Metanol	Toneladas Por Año	0.447	0.0045	1%
Benceno	Toneladas Por Año	0.137	0.0215	16%
Isopropiltolueno	Toneladas Por Año	0.114	0.0170	15%
Etanol	Toneladas Por Año	0.106	0.0065	6%
2-Butanona (MEK)	Toneladas Por Año	0.074	0.0020	3%
Tolueno	Toneladas Por Año	0.057	0.0077	13%
Acroleína	Toneladas Por Año	0.055	0.0016	3%
Propileno	Toneladas Por Año	0.049	0.0029	6%
m,p-Xyleno	Toneladas Por Año	0.047	0.0096	20%
o-Xileno	Toneladas Por Año	0.036	0.0039	11%
Etilbenceno	Toneladas Por Año	0.032	0.0040	12%
2-propanol (alcohol isopropílico)	Toneladas Por Año	0.036	0.0034	10%
Disulfuro de carbono	Toneladas Por Año	0.028	0.0021	8%
Ciclohexano	Toneladas Por Año	0.018	0.0012	7%
Tetracloroetileno (PCE)	Toneladas Por Año	0.017	0.0011	6%
Tetrahidrofurano	Toneladas Por Año	0.011	0.0010	10%
TO-14				
Benceno TO-14	Toneladas Por Año	0.141	0.0306	22%
Propano TO-14	Toneladas Por Año	0.112	0.0140	13%
o-xileno TO-14	Toneladas Por Año	0.083	0.0050	6%
m,p-xileno TO-14	Toneladas Por Año	0.079	0.0083	11%
Tolueno TO-14	Toneladas Por Año	0.056	0.0075	14%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.154	0.0144	9%
Ácido Sulfhídrico	Toneladas Por Año	0.154	0.0144	9%
Metilmercaptano	Toneladas Por Año	0.213	0.0203	10%
Sulfuro de Dimetilo	Toneladas Por Año	0.275	0.0262	10%

Toma de Muestras/Alcance de los Cálculos/Metodología

El alcance del muestreo aumentó drásticamente para este evento y los datos sugieren que este aumento en el alcance principalmente demostró que el alcance de los muestreos y cálculos de legado entrega un nivel de precisión comparable al alcance de alta resolución. La Tabla 5.10 muestra los resultados de las emisiones de aire utilizando el set de datos completo (el Análisis de Alta Resolución) comparado con el cálculo de datos que habría sido utilizado (el Análisis de Legado). Solo el metano y el dióxido de carbono fueron significativamente diferentes. Se debe tener en cuenta que excepto para metano y dióxido de carbono, los compuestos que indican las mayores diferencias son los mismos compuestos que están dominados por no detecciones. Los datos se comparan cuantitativamente utilizando una diferencia de porcentaje relativa (RPD).

Tabla 5.10 Comparativo del Total de Emisiones Determinado por el Análisis de Alta Resolución Comparado con el Análisis de Legado.

Compuesto	Unidades	Alcance de Alta Resolución	Alcance de Legado	RPD
Dióxido de carbono	Toneladas Por Año	46,702	67,122	-36%
Metano	Toneladas Por Año	285.42	192.05	39%
VOC (TO-12 C1)	Toneladas Por Año	2.61	2.51	4%
Acetona	Toneladas Por Año	0.54	0.53	2%
Metanol	Toneladas Por Año	0.45	0.47	-4%
Benceno	Toneladas Por Año	0.14	0.14	-3%
Isopropiltolueno	Toneladas Por Año	0.11	0.11	2%
Etanol	Toneladas Por Año	0.11	0.12	-14%
2-Butanona (MEK)	Toneladas Por Año	0.07	0.06	21%
Tolueno	Toneladas Por Año	0.06	0.07	-22%
Acroleína	Toneladas Por Año	0.05	0.05	4%
Propileno	Toneladas Por Año	0.05	0.04	12%
m,p-Xyleno	Toneladas Por Año	0.05	0.04	9%
o-Xileno	Toneladas Por Año	0.04	0.04	-11%
Etilbenceno	Toneladas Por Año	0.03	0.04	-24%
2-propanol (alcohol isopropílico)	Toneladas Por Año	0.04	0.05	-27%
Disulfuro de carbono	Toneladas Por Año	0.03	0.03	-22%
Ciclohexano	Toneladas Por Año	0.02	0.02	0%
Tetracloroetileno (PCE)	Toneladas Por Año	0.02	0.02	-8%
Tetrahidrofurano	Toneladas Por Año	0.01	0.01	-27%
TO-14				
Benceno TO-14	Toneladas Por Año	0.14	0.16	-13%
Propano TO-14	Toneladas Por Año	0.11	0.12	-9%
o-xileno TO-14	Toneladas Por Año	0.08	0.09	-10%
m,p-xileno TO-14	Toneladas Por Año	0.08	0.07	18%
Tolueno TO-14	Toneladas Por Año	0.06	0.06	-11%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.15	0.20	-25%
Ácido Sulfhídrico	Toneladas Por Año	0.15	0.20	-25%
Metilmercaptano	Toneladas Por Año	0.21	0.28	-27%
Sulfuro de Dimetilo	Toneladas Por Año	0.27	0.36	-27%

Desempeño de la Interfaz de las Membranas

Hubo dudas sobre si la interfaz de cubiertas de membrana/suelo podría tener emisiones más altas. La Tabla 5.11 muestra que para metano, la zona de suelo de la interfaz tiene menos emisiones que el resto de la zona reactiva. Para otros compuestos, los resultados son mezclados, pero esos compuestos también están principalmente dominados por no detecciones. En base a estos datos, es razonable llegar a la conclusión de que la cubierta de suelo cerca del borde de la membrana aumentó el rendimiento de recolección de gas si se lo compara con la cubierta de suelo en el resto de las zonas del vertedero. Este importante porcentaje negativo en los resultados de dióxido de carbono se deben a un único punto de datos anómalo que tuvo emisiones de dióxido de carbono extremas.

Tabal 5.11 Comparativo del Flujo de la Zona Reactiva, de la Zona No Reactiva, de la Membrana y de la Interfaz de Cobertores de Membrana/Suelo.

Compuesto	Unidades	Flujo en la Zona No Reactiva	Flujo en la Zona Reactiva	Flujo en la Membrana	Flujo en la Interfaz	% de Reducción Interfaz vs. Zona Reactiva
Dióxido de carbono	mg/m2-min.	52	87	6	179	-105%
Metano	mg/m2-min.	0.28	0.59	0.01	0.18	70%
VOC (TO-12 C1)	mg/m2-min.	0.0032	0.0045	0.0033	0.0050	-12%
Acetona	mg/m2-min.	0.00074	0.00084	0.00012	0.00063	24%
Metanol	mg/m2-min.	0.00061	0.00069	0.00005	0.00071	-3%
Benceno	mg/m2-min.	0.00019	0.00020	0.00023	0.00025	-22%
Isopropiltolueno	mg/m2-min.	0.00012	0.00022	0.00018	0.00024	-8%
Etanol	mg/m2-min.	0.00009	0.00024	0.00007	0.00021	12%
2-Butanona (MEK)	mg/m2-min.	0.00009	0.00013	0.00002	0.00007	49%
Tolueno	mg/m2-min.	0.00007	0.00010	0.00008	0.00017	-72%
Acroleína	mg/m2-min.	0.00008	0.00007	0.00002	0.00005	33%
Propileno	mg/m2-min.	0.00009	0.00005	0.00003	0.00004	27%
m,p-Xileno	mg/m2-min.	0.00004	0.00010	0.00010	0.00009	9%
o-Xileno	mg/m2-min.	0.00004	0.00007	0.00004	0.00009	-40%
Etilbenceno	mg/m2-min.	0.00004	0.00005	0.00004	0.00009	-76%
2-propanol (alcohol isopropílico)	mg/m2-min.	0.00005	0.00006	0.00004	0.00011	-89%
Disulfuro de carbono	mg/m2-min.	0.00004	0.00004	0.00002	0.00007	-89%
Ciclohexano	mg/m2-min.	0.00002	0.00003	0.00001	0.00004	-16%
Tetracloroetileno (PCE)	mg/m2-min.	0.00002	0.00003	0.00001	0.00004	-35%
Tetrahidrofurano	mg/m2-min.	0.00001	0.00002	0.00001	0.00003	-89%
TO-14						
Benceno TO-14	mg/m2-min.	0.00017	0.00025	0.00033	0.00040	-59%
Propano TO-14	mg/m2-min.	0.00015	0.00018	0.00015	0.00023	-28%
o-xileno TO-14	mg/m2-min.	0.00012	0.00012	0.00005	0.00017	-41%
m,p-xileno TO-14	mg/m2-min.	0.00007	0.00017	0.00009	0.00015	15%
Tolueno TO-14	mg/m2-min.	0.00006	0.00010	0.00008	0.00014	-38%
307-91						
Azufre Total Reducido	mg/m2-min.	0.00020	0.00025	0.00016	0.00052	-103%
Ácido Sulfhídrico	mg/m2-min.	0.00020	0.00025	0.00016	0.00051	-103%
Metilmercaptano	mg/m2-min.	0.00028	0.00034	0.00022	0.00065	-89%
Sulfuro de Dimetilo	mg/m2-min.	0.00036	0.00044	0.00028	0.00084	-89%

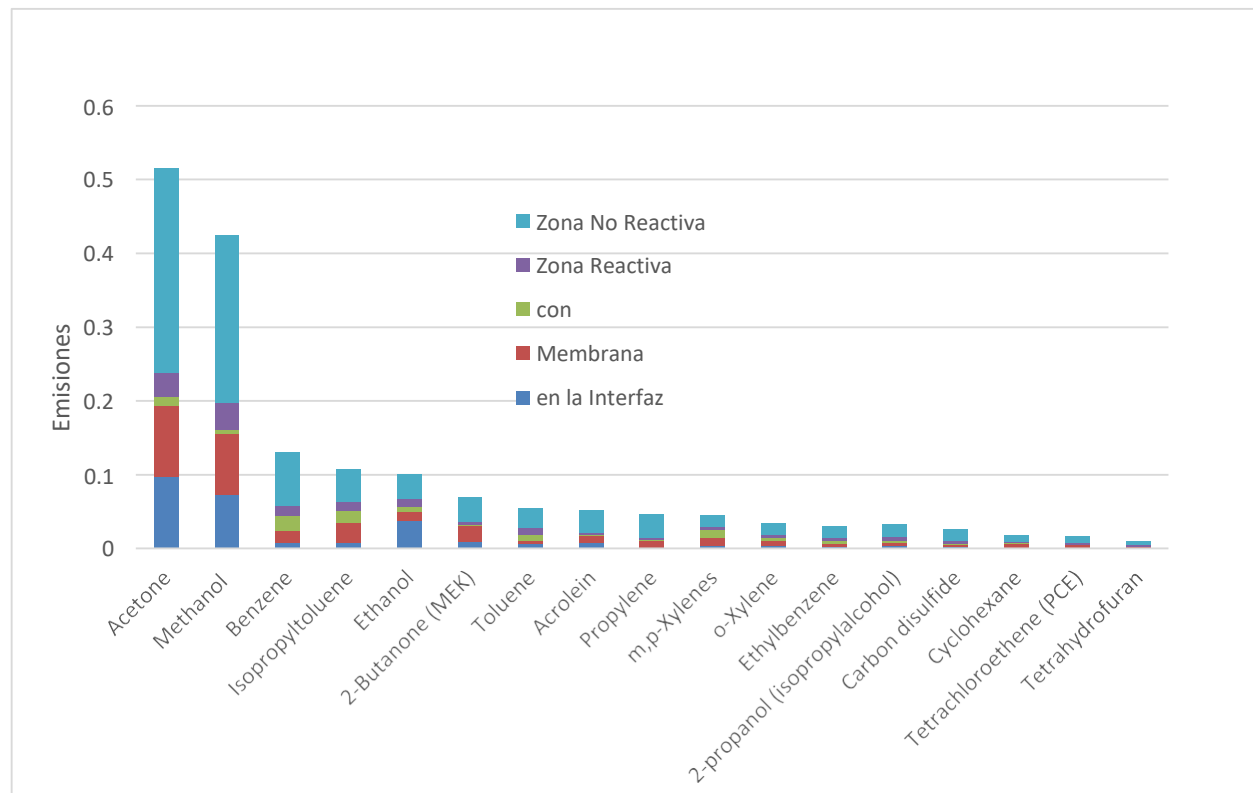
Distribución de Emisiones de Aire por Categoría de Origen

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

1. Zona de Excesos
2. Zona Reactiva
3. Zona de Membrana
4. Zona de Interfaz
5. Zona No Reactiva

La Figura 5.1 muestra la distribución de emisiones para los compuestos más especiados TO-15. Este gráfico muestra que las emisiones de tolueno isopropílico y etanol están dominadas por las emisiones de la zona reactiva. Todos los demás compuestos están dominados por emisiones de zonas del vertedero sin reacción/sin excedencias.

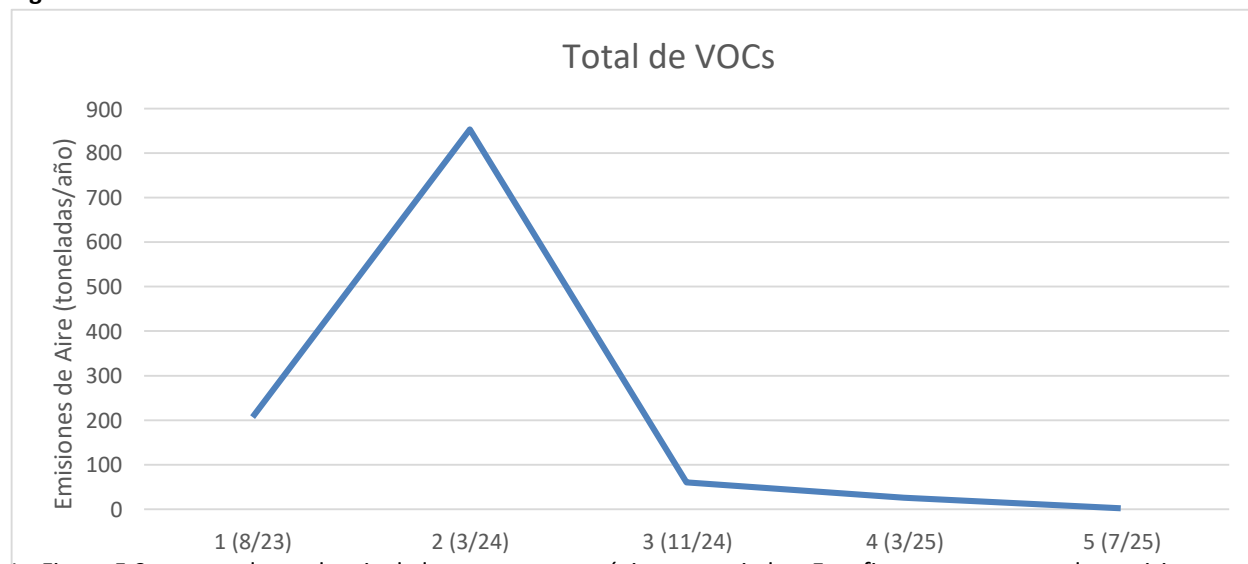
Figura 5.1 Distribución de Emisiones de Aire por Categoría de Origen



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

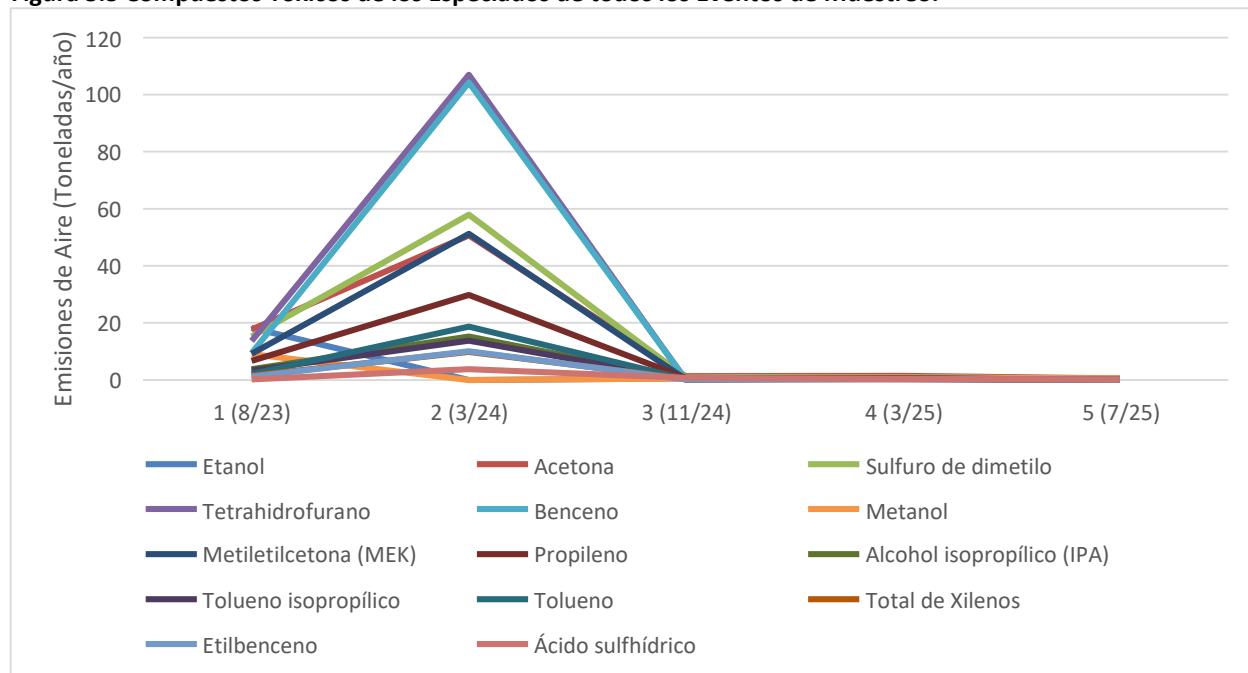
La Figura 5.2 muestra la tendencia de VOCs totales por TO-12. Gradualmente está tocando fondo después de una profunda reducción entre el Segundo y el Tercer Evento de Prueba.

Figura 5.2 VOC Total de todos los Eventos de Muestreo.



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

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

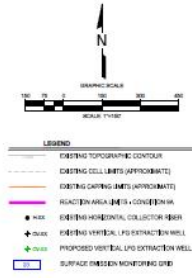
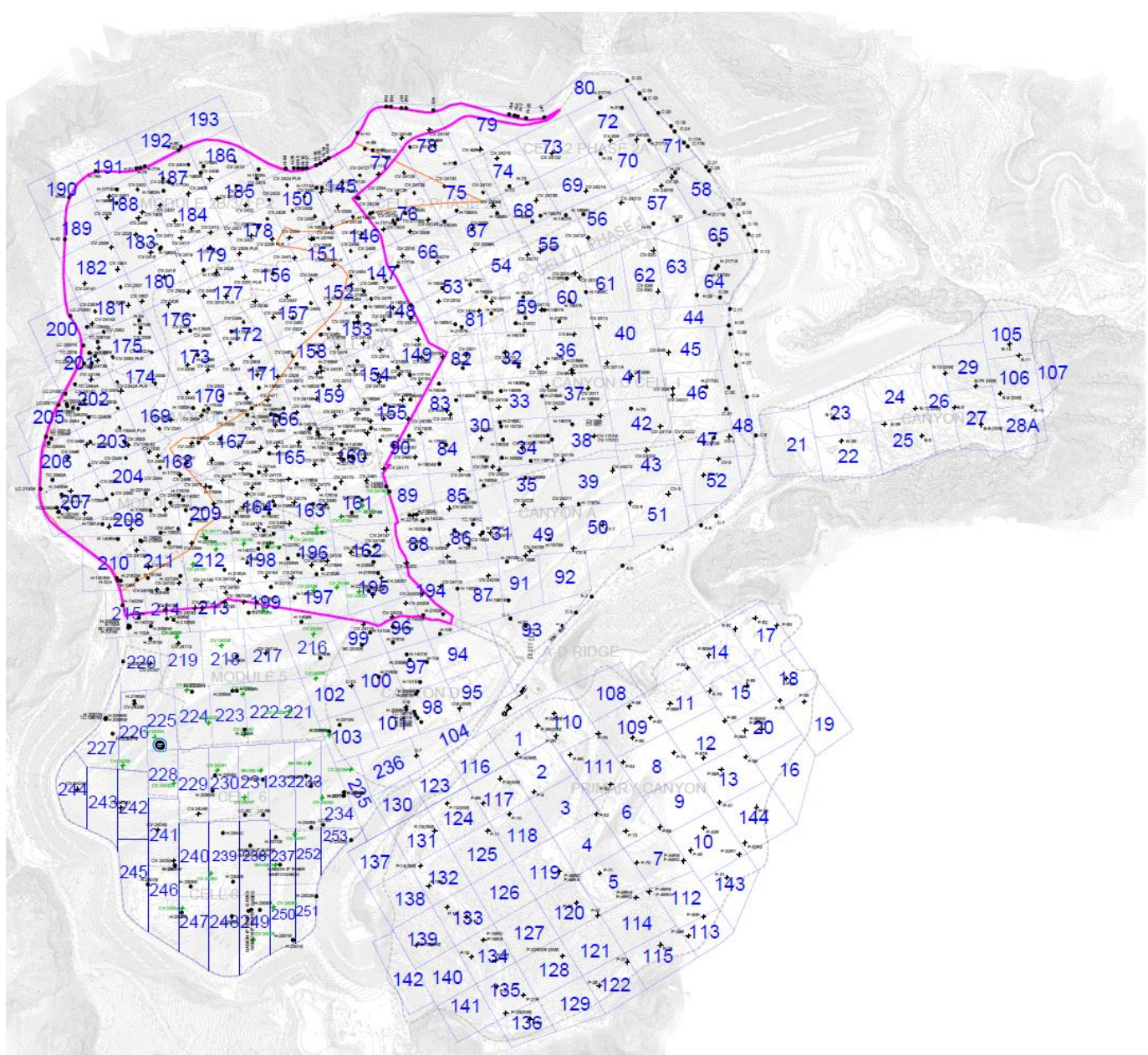


6. Obras Involucradas

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

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

Appendix 1
Reaction Area Designation Map



GENERAL DRAWING NOTES

1. SURVEYED TOPOGRAPHIC SURVEY INFORMATION (WATER) WAS PROVIDED BY THE CLIENT, AND PHOTOGRAPHY DATED OCTOBER 10, 2020.
2. NORTH ARROW INDICATES REFERENCE TO THE CALIFORNIA STATE PLAN.
3. COORDINATE SYSTEM: NAD 83.
4. THE LOCATION OF ANY EXISTING PIPES, VALVES, OR LOCATIONS ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND SUBJECT TO CHANGE BASED ON FUTURE FULL OPERATIONAL WATER PLACEMENT.
5. TOPOGRAPHIC DATA: LINES AND OTHER HYDROLOGIC FACTORS.
6. SURVEYED DATA: LINES DATED OCTOBER 10, 2020.

Appendix 2
Grid Cell Field Screening Data

Chiquita Canyon Landfill
Cell Screening FormDate 7/17Time 12:48Grid ID 87

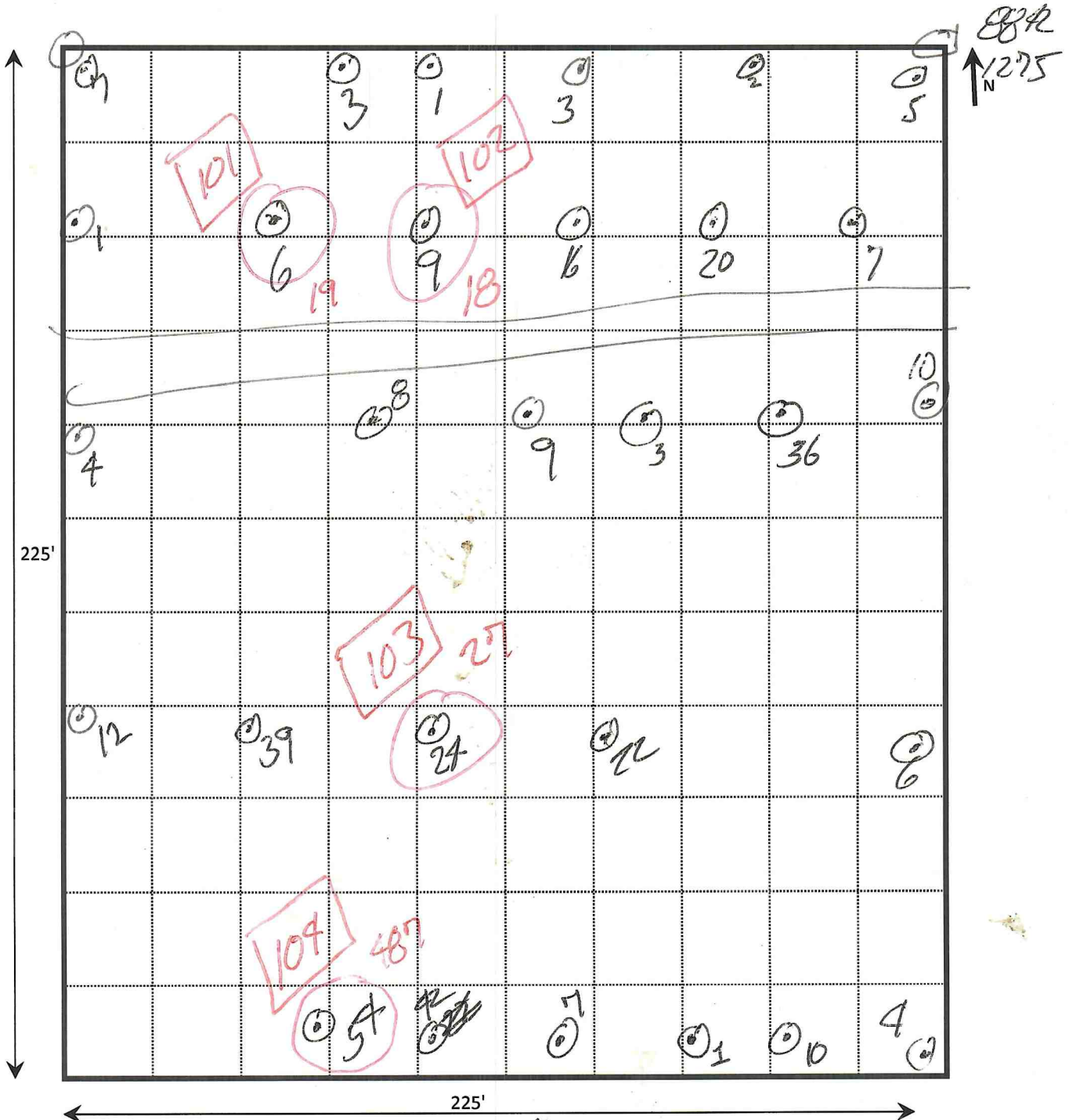
Instrument _____

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

Windspeed/Dir _____

Baseline _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Date 7/14Grid ID 75

Time _____

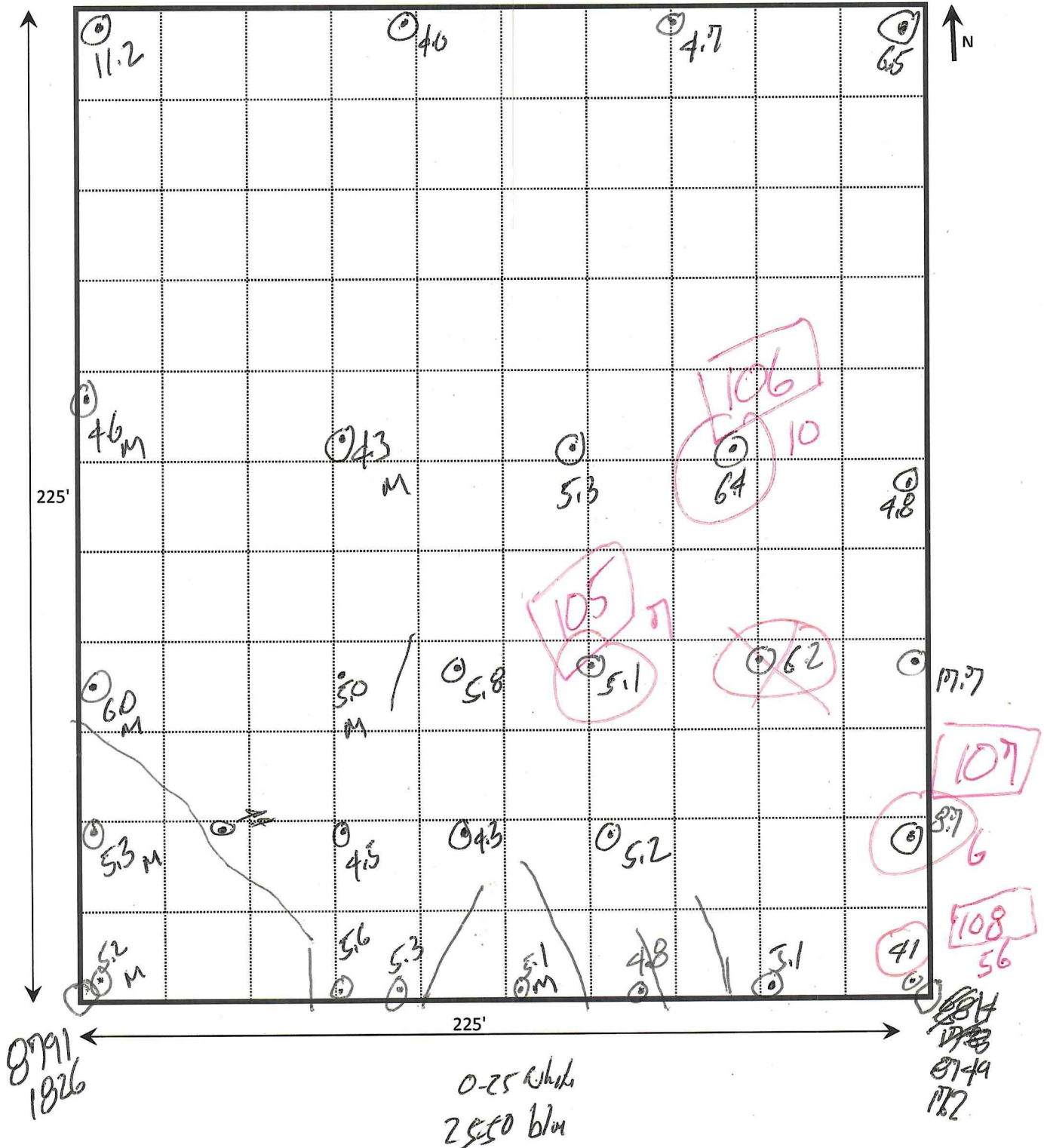
Instrument _____

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

Windspeed/Dir _____

Baseline _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening FormDate 7/14
Time 9:53Grid ID 211

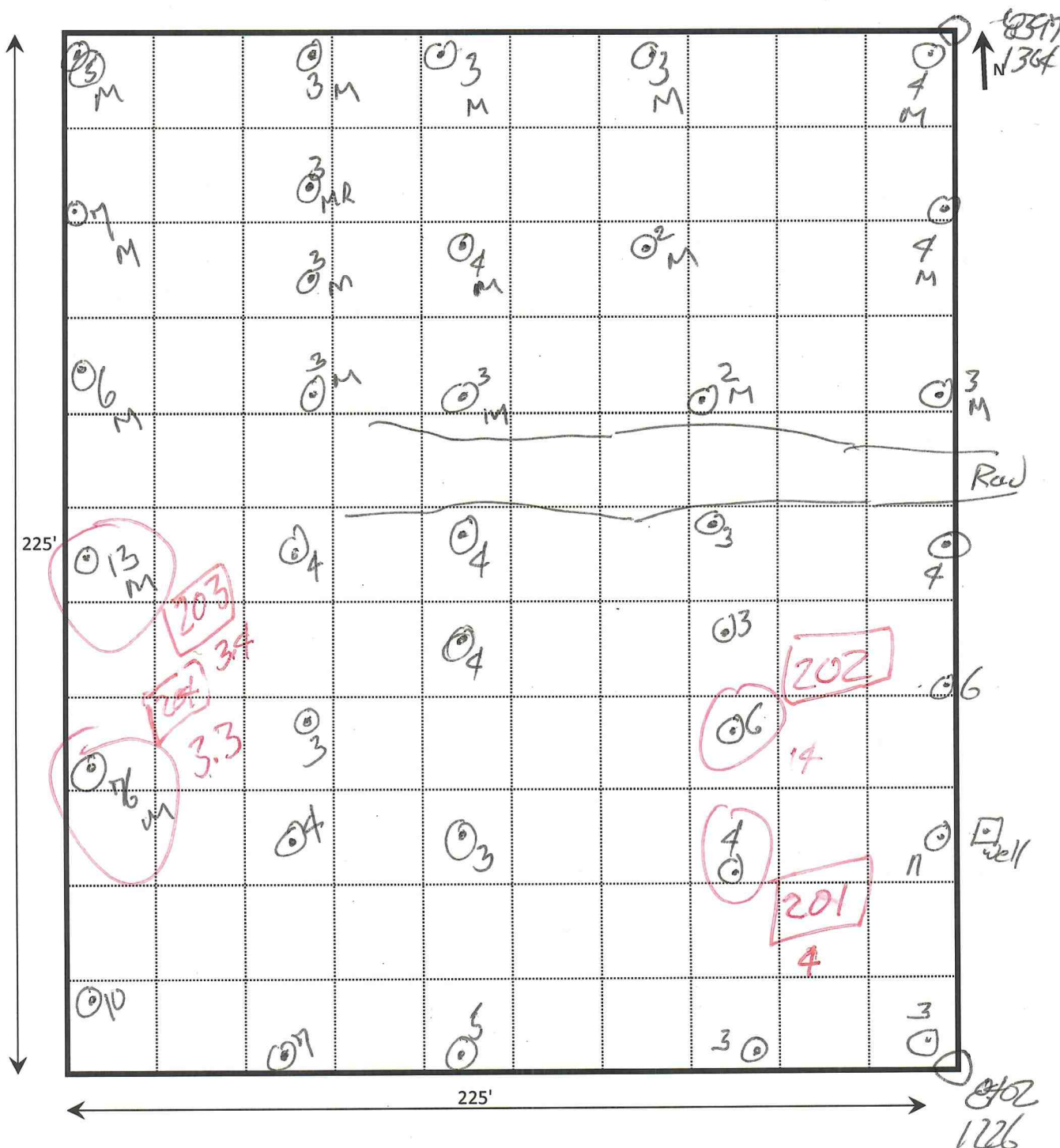
Instrument _____

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

Windspeed/Dir _____

Samplers _____

Baseline _____



Chiquita Canyon Landfill
Cell Screening Form

Date 7/14
Time 9:09

Grid ID 183

Instrument _____

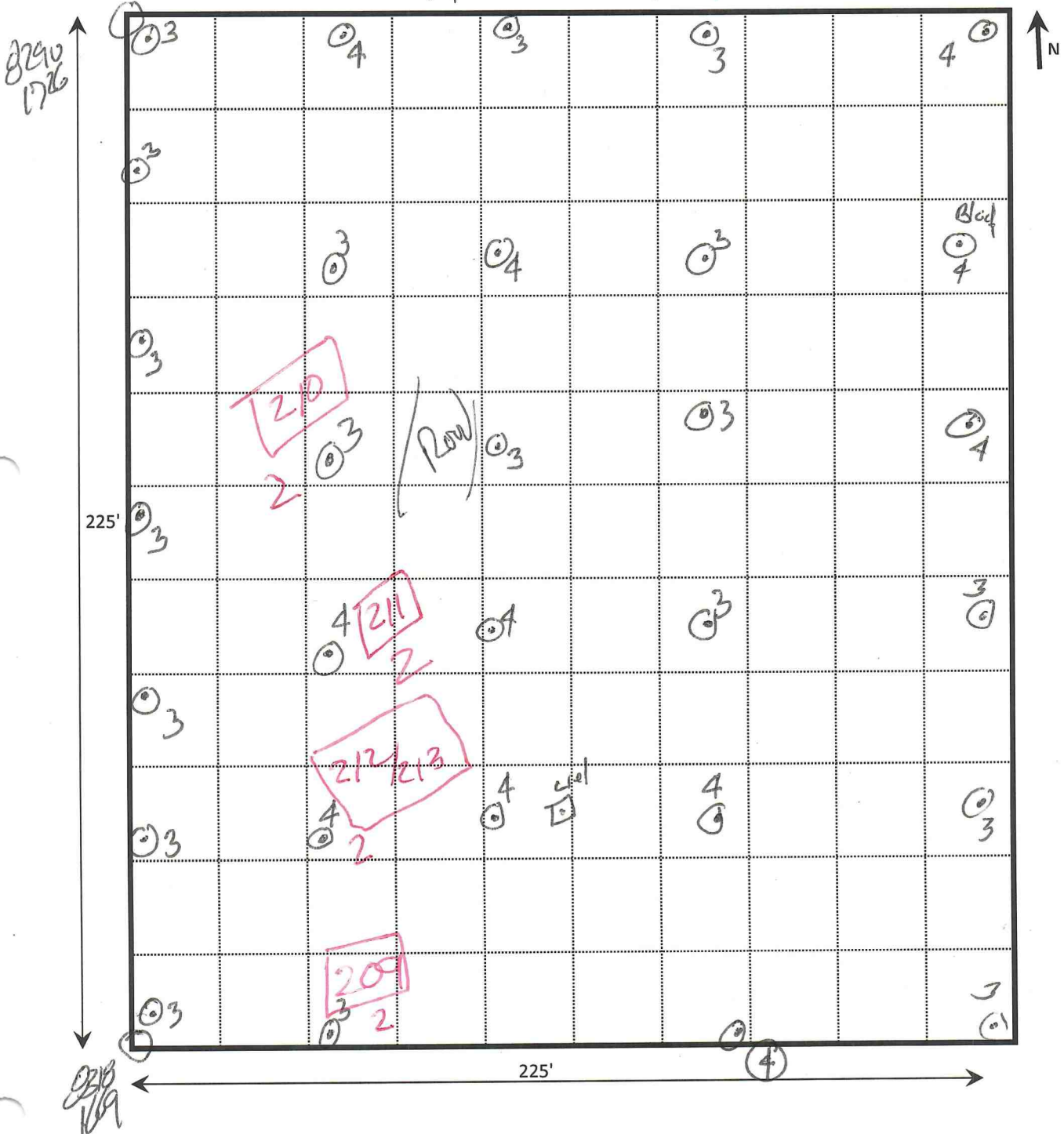
Coordinates are: 11S 34, ___
3,81, ___

Windspeed/Dir _____

Samplers _____

Baseline _____

All membrane Any



Chiquita Canyon Landfill

Cell Screening Form

Date 2/14Time 10:56Grid ID 213Coordinates are: 11S 34____
3,81____

Wind speed/Dir _____

Instrument _____

Samplers _____

Baseline _____

21103

225'

225'

0-5 yellow

N

303

8

302

54

304

8.1

301

68

821
11727

Chiquita Canyon Landfill
Cell Screening Form

Date

7/14

Time

12:23

Grid ID

197

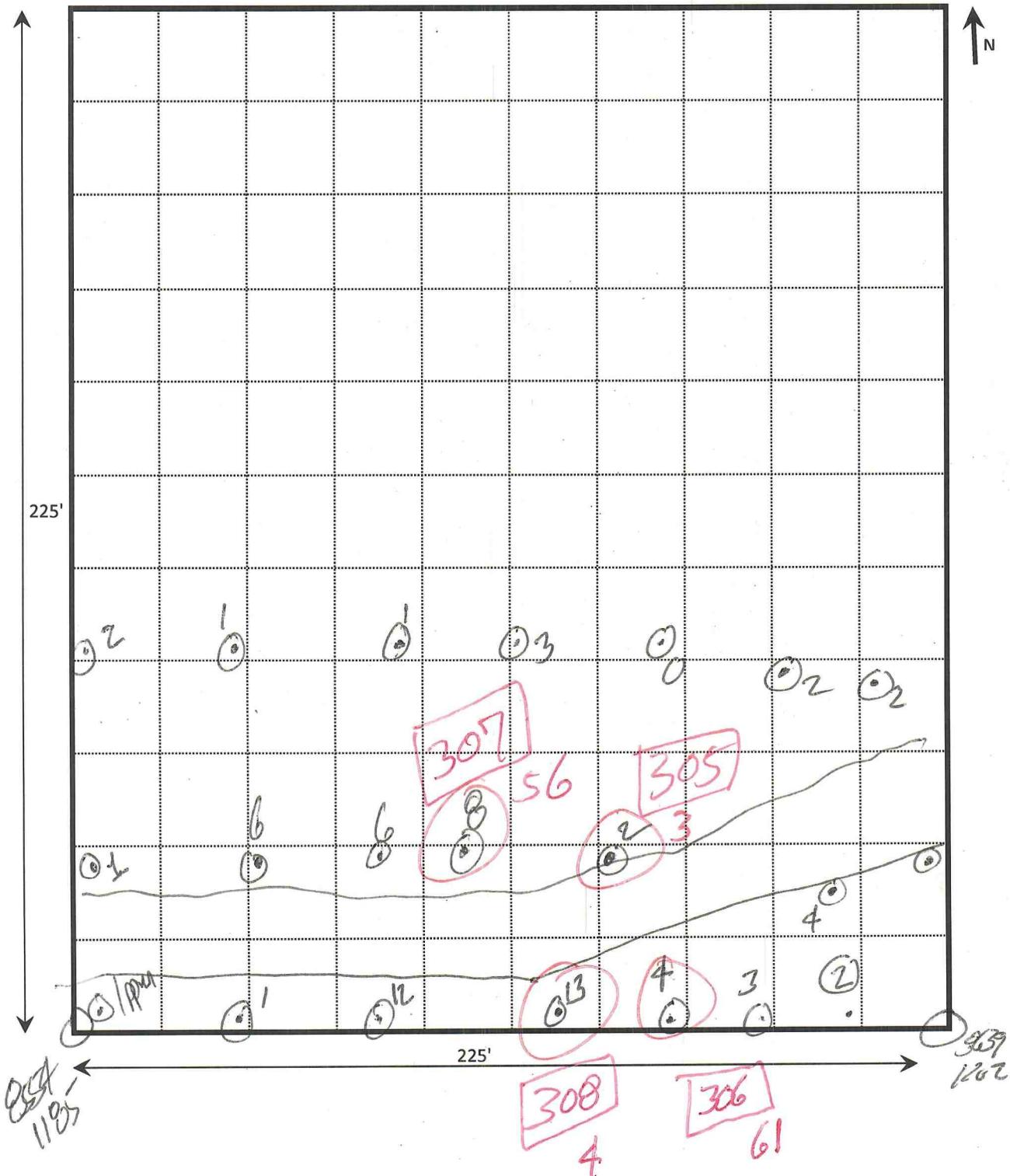
Instrument

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

Windspeed/Dir

Baseline

Samplers



Chiquita Canyon Landfill
Cell Screening Form

Date 7/14
Time 11:58

Grid ID 195

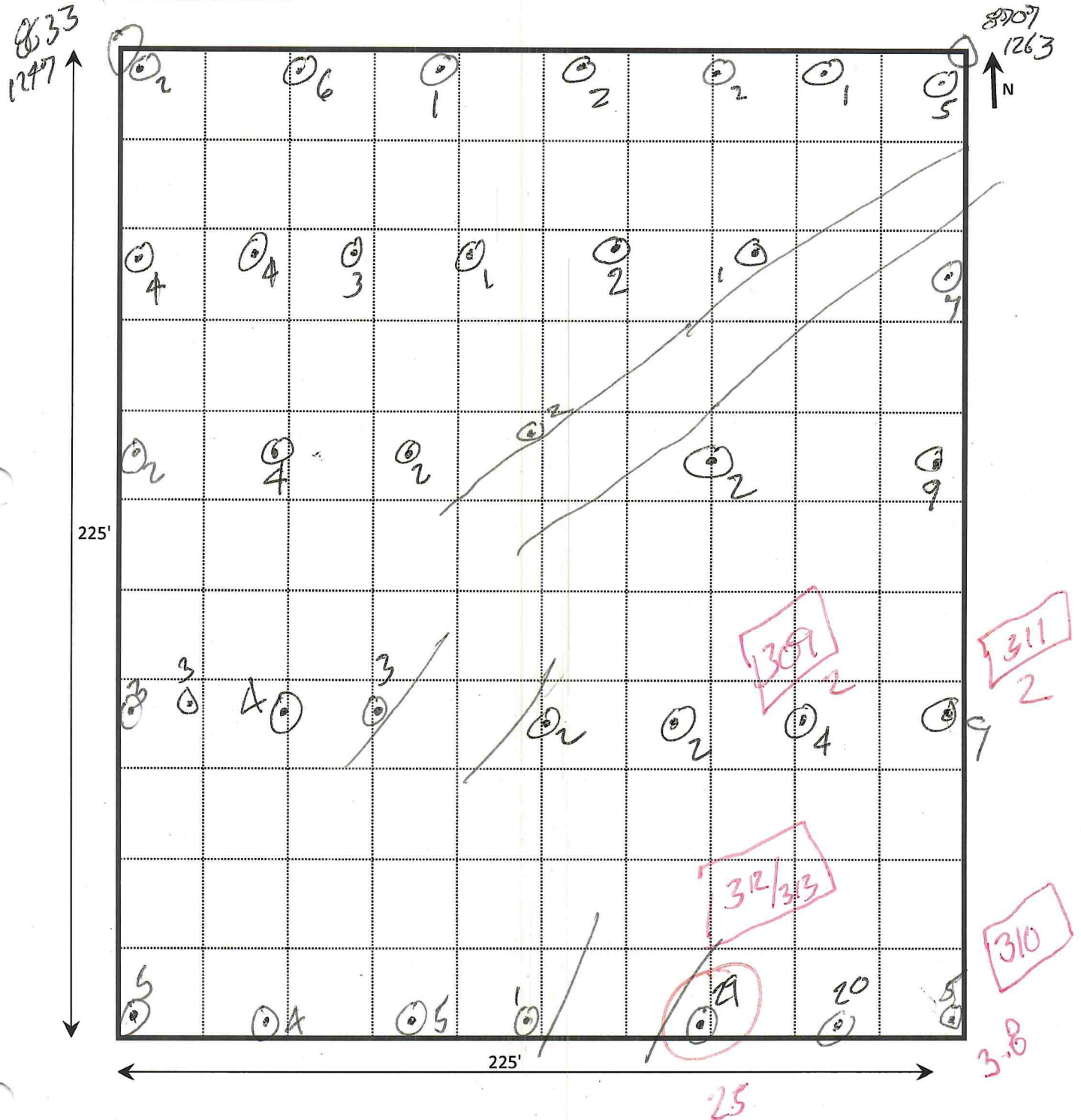
Instrument _____

Coordinates are: 11S 34____
3,81____

Windspeed/Dir _____

Samplers _____

Baseline _____



Chiquita Canyon Landfill
Cell Screening Form

Date 7/14Time 8:40Grid ID 158

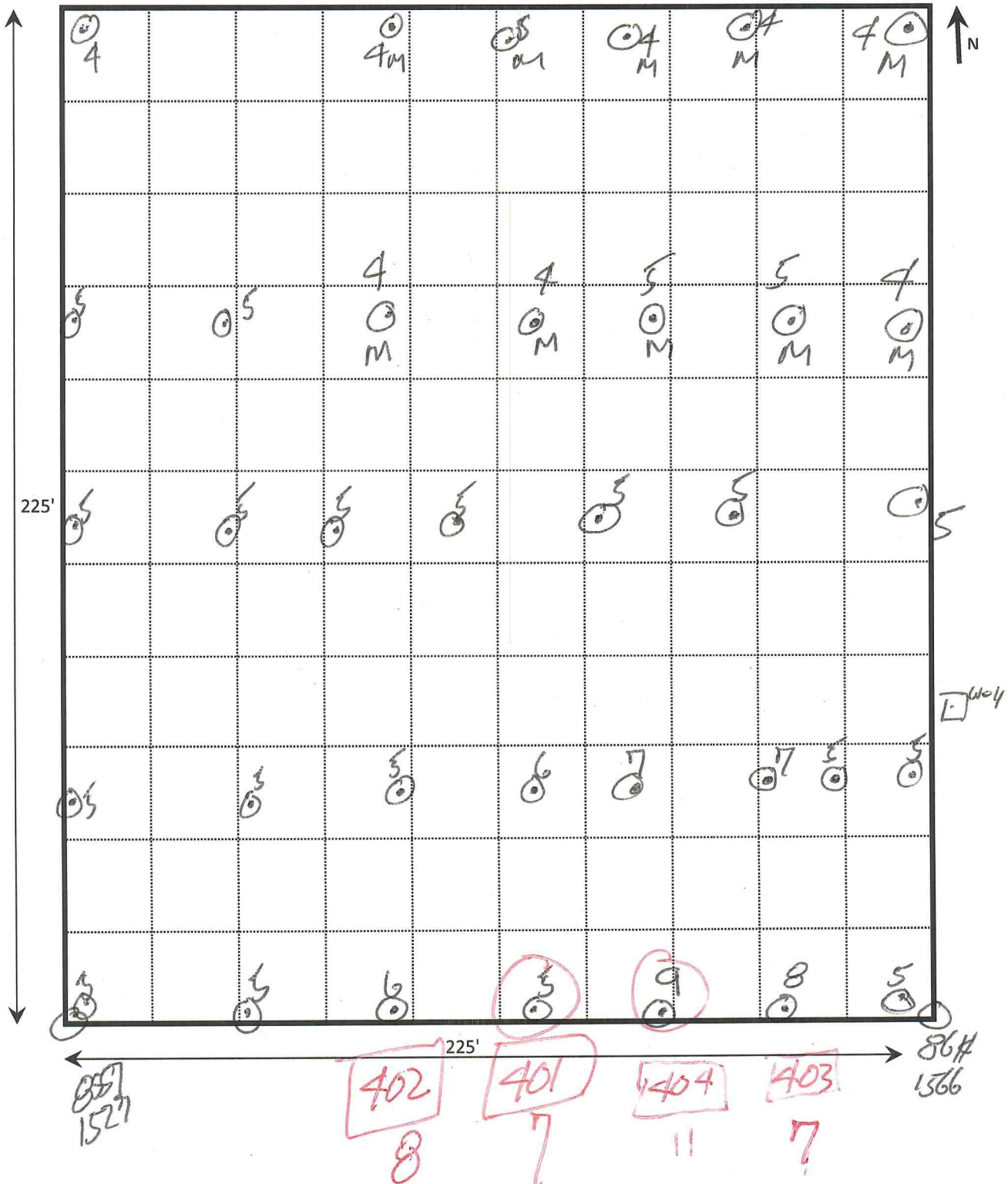
Instrument _____

Baseline _____

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

Windspeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Date 7/14
Time 8:16

Grid ID 149

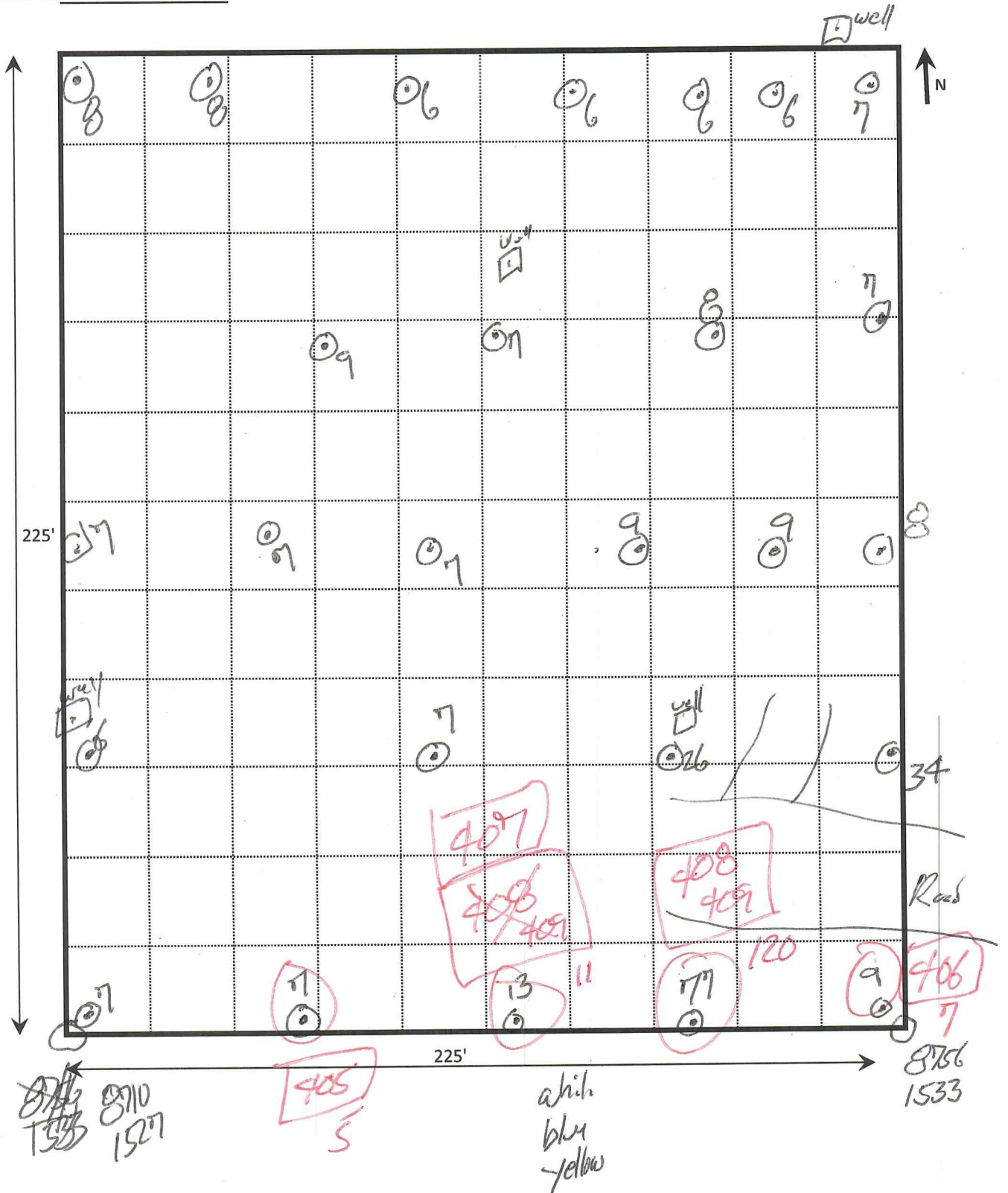
Instrument _____

Baseline _____

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

Windspeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening FormDate 7/22Time 8:31Grid ID 131

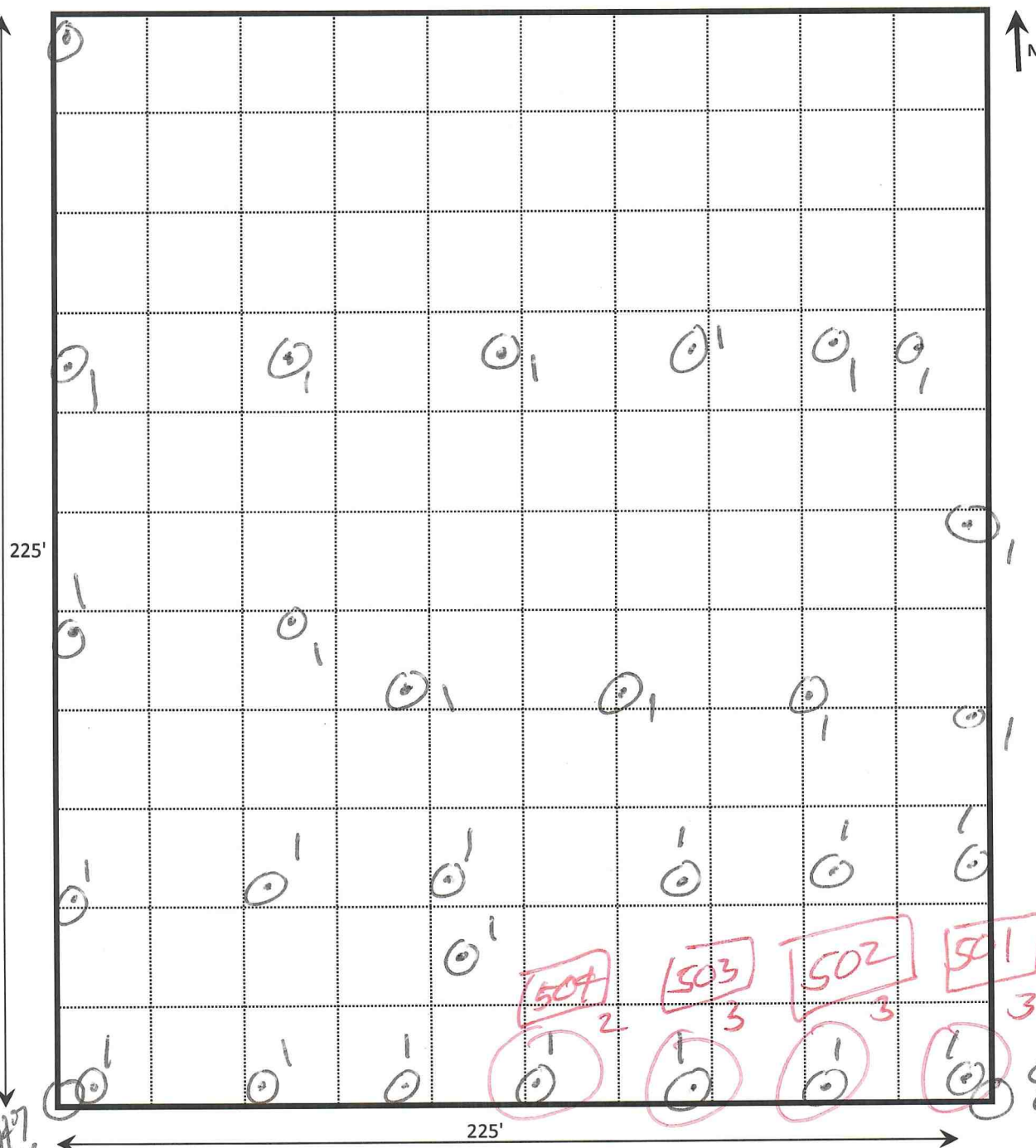
Instrument _____

Baseline _____

Coordinates are: **115 34**_____
3,81_____

Windspeed/Dir _____

Samplers _____



Chiquita Canyon Landfill

Cell Screening Form

Date 7/22Time 8:47Grid ID 133

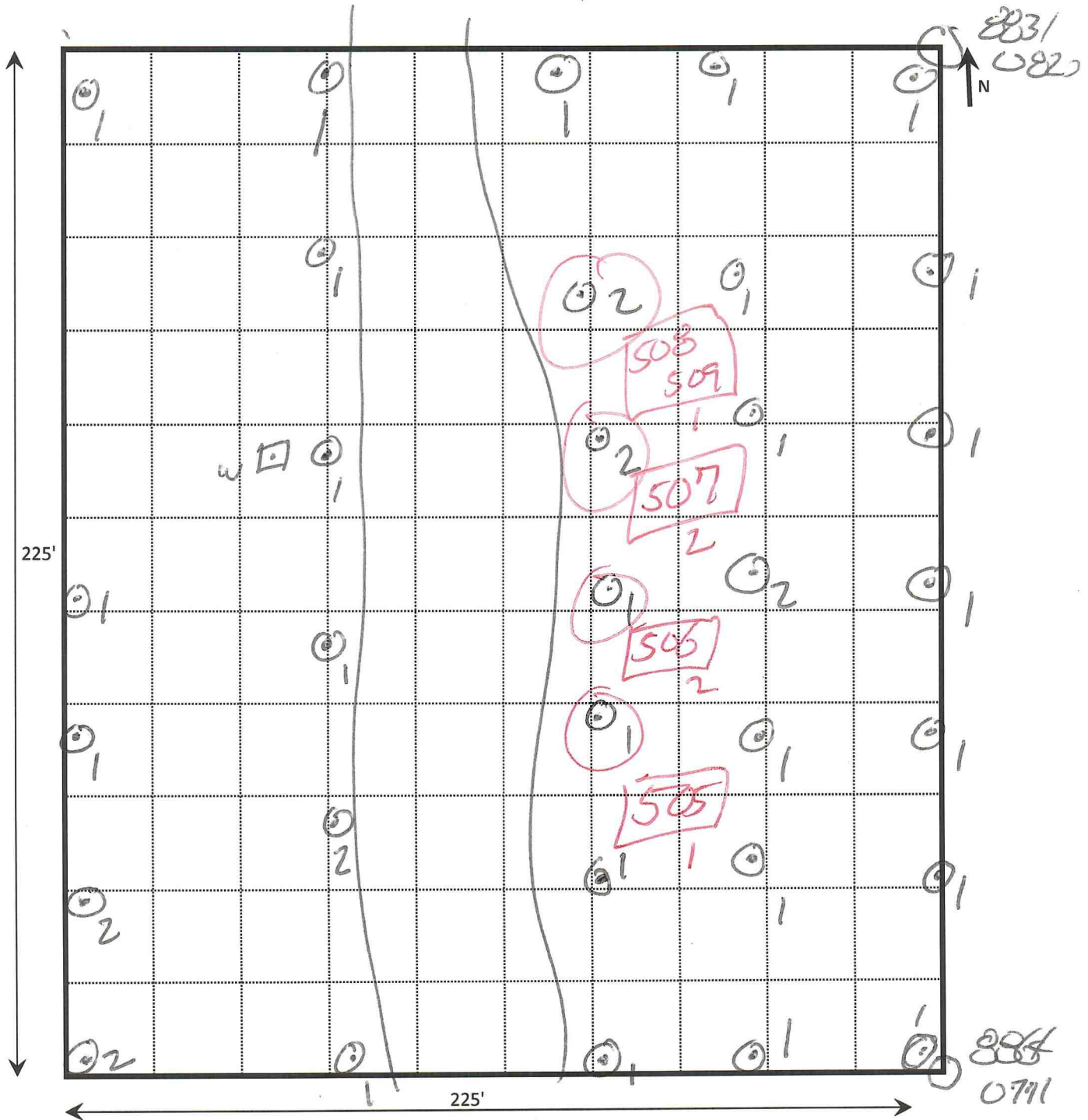
Instrument _____

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

Windspeed/Dir _____

Baseline _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Date

7/22

Time

7:25

Grid ID

86

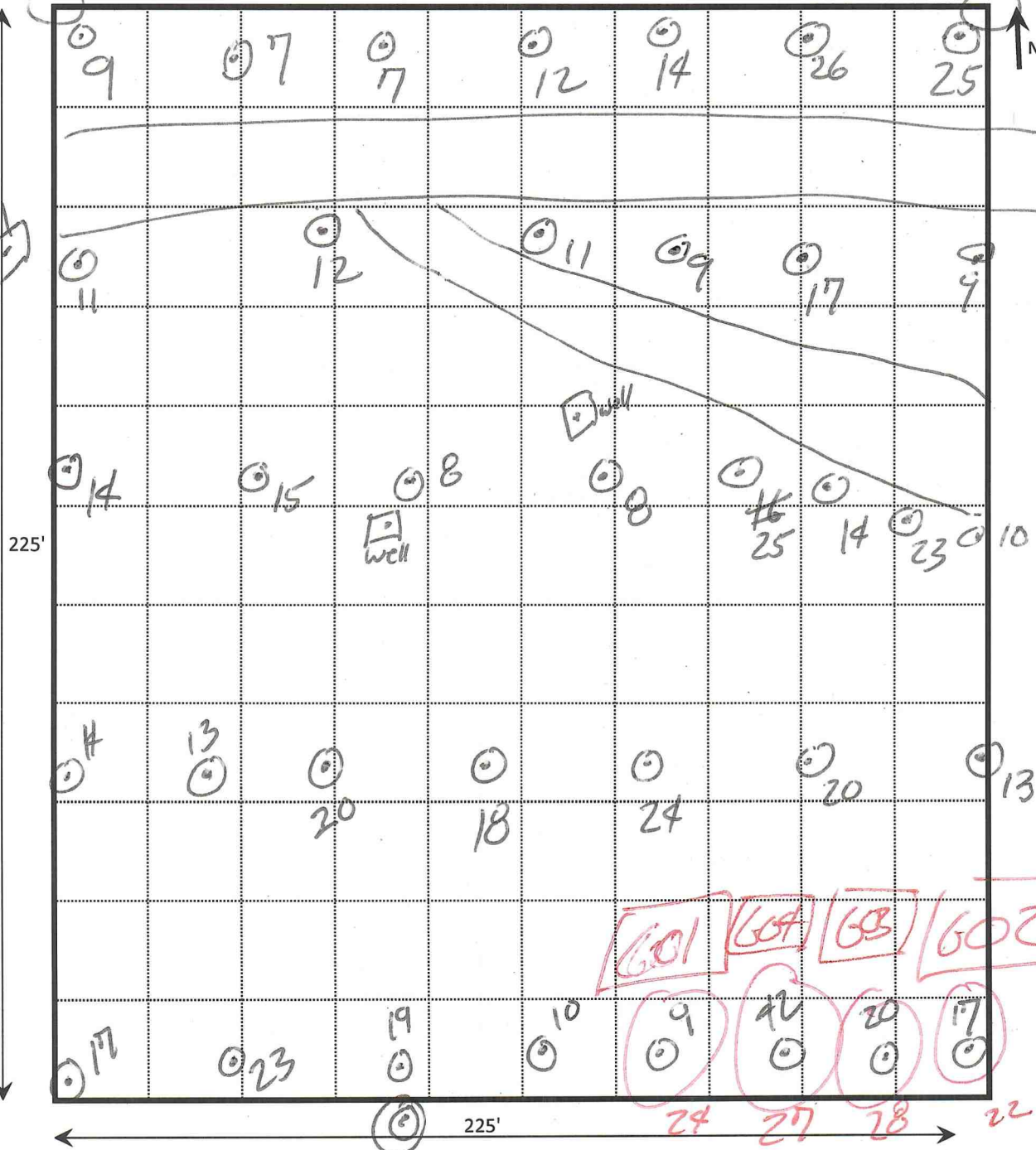
Instrument

Coordinates are: 115 34, ___
3,81, ___

Windspeed/Dir

Samplers

Baseline



Chiquita Canyon Landfill
Cell Screening Form

Date 7/22
Time 7:59

Grid ID 232

Instrument _____

Coordinates are: 11S 34____
3,81____

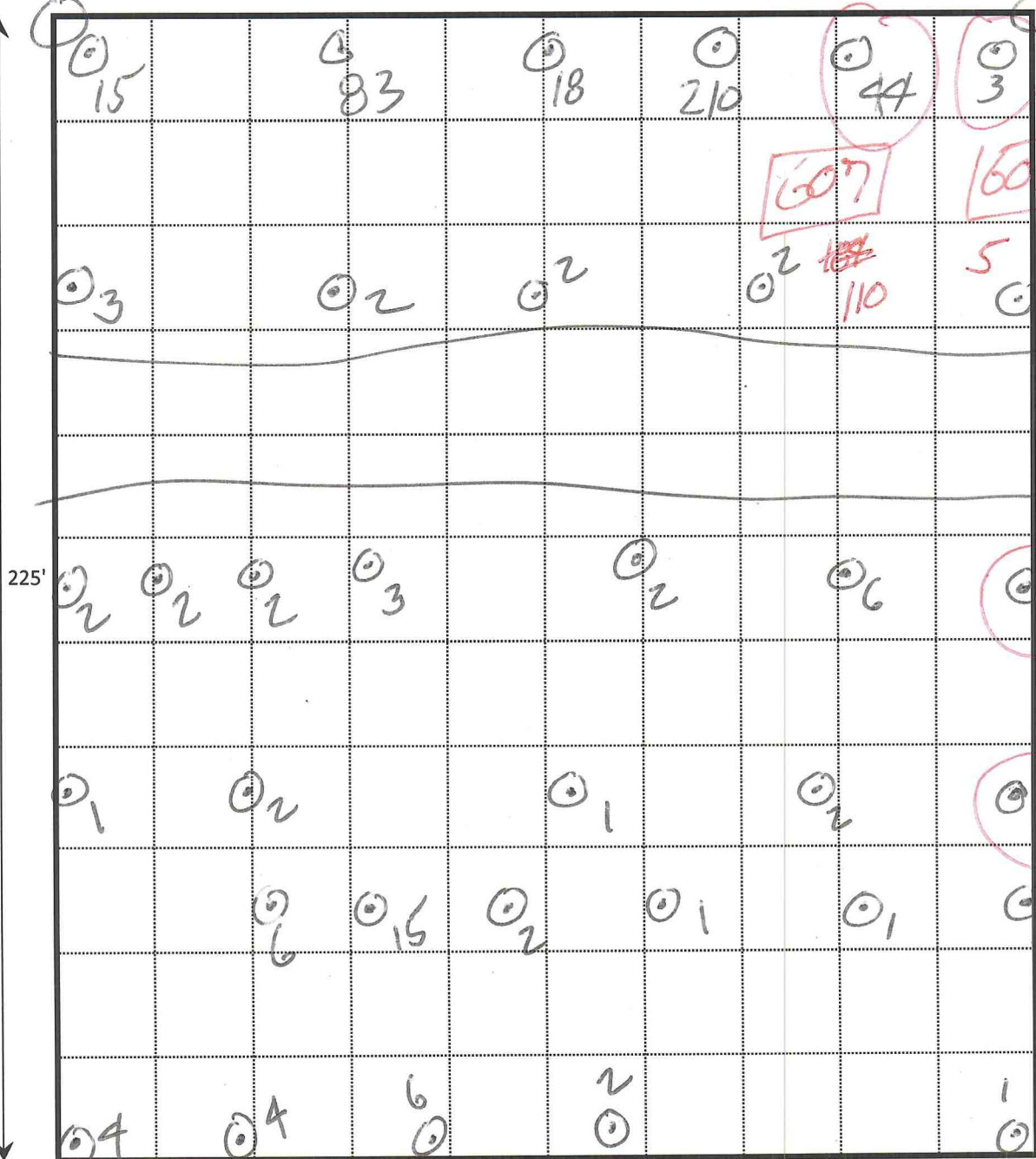
Windspeed/Dir _____

Samplers _____

Baseline _____

8543
1012

8543
3578
1024



225'

225'

toe

> 100 red

Appendix 3
Emissions Calculations for Each Compound

Carbon Dioxide

124-38-9

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87		209.7	118.5	61.9	237.0	153.2	1,103,258	102,496	15,705,232	18,198,126	9,099
Reaction Area	High	213		163.5	73.8	78.2	74.6	108.6	241,924	22,475	2,441,487	2,829,025	1,415
Reaction Area	Med	197		204.2	312.4	145.5	107.5	214.6	371,049	34,472	4,937,411	5,721,127	2,861
Reaction Area	Med	195		58.1	125.8	90.7	69.1	71.9					
Reaction Area	Low	149		28.3	46.8	25.1	75.1	33.8	908,877	84,437	2,856,581	3,310,006	1,655
Membrane	High	204 M	<5.71E+00	<8.81E+00	<5.86E+00	<5.90E+00	<6.41E+00		623,066	57,885	<3.71E+05	<4.30E+05	<2.15E+02
Membrane	Low	183 M	<5.63E+00	<6.05E+00	<6.33E+00	<5.37E+00	<5.85E+00		1,086,870	100,974	<5.90E+05	<6.84E+05	<3.42E+02
Interface	High	75		63.5	66.2	104.6	314.2	72.6	176,235	16,373	1,188,066	1,376,648	688
Interface	Med	158		70.7	66.4	26.1	89.7	66.5	229,530	21,324	<1.56E+06	<1.81E+06	<9.04E+02
Interface	Med	211 P		87.3	90.4	<4.89E+00	<7.18E+00	<7.98E+01					
Interface	Low	76 P	<6.42E+00		29.3	397.2	182.6	<2.57E+02	554,198	51,487	<1.32E+07	<1.53E+07	<7.66E+03
Non-Reaction Area	High	232		130.9	86.1	186.7	238.7	129.6	1,422,799	132,182	17,124,800	19,843,022	9,922
Non-Reaction Area	Med	131		13.1	28.1	12.2	45.9	24.8	1,836,684	170,634	9,673,857	11,209,390	5,605
Non-Reaction Area	Med	86		68.6	89.1	113.6	78.0	88.6					
Non-Reaction Area	Low	133		16.7	17.0	23.0	27.8	20.1	3,704,751	344,183	6,901,600	7,997,093	3,999
Non SEM Area							<6.72E+01		646,053	60,020	<4.04E+06	<4.68E+06	<2.34E+03
Total								12,905,294	1,198,941	<8.06E+07	<9.34E+07	<4.67E+04	
												(TPY)	
												Exceedance Area	9,099
												Reaction Area	5,930
												Membrane	<5.57E+02
												Interface	<9.25E+03
												Non-Reaction Area	19,525
												Average Flux (mg/m2-min)	<6.72E+01
												Reaction Area Flux (mg/m2-m)	87
												Non-Reaction Area Flux (mg/m2-m)	52
												Membrane Flux (mg/m2-min)	<6.05E+00
												Interface Flux (mg/m2-min)	<1.79E+02

Legacy Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87	209.7	118.5	61.9	237.0	153.2	1,103,258	102,496	15705232	18,198,126	9,099
Reaction Area	High	75	63.5	66.2	104.6	314.2	72.6	720,877	66,972	4859703	5,631,085	2,816
Reaction Area	Med	204 M	<5.71E+00	<8.81E+00	<5.86E+00	<5.90E+00	<6.41E+00	1,320,197	122,650	<4.47E+06	<5.18E+06	<2.59E+03
Reaction Area	Med	158	70.7	66.4	26.1	89.7	66.5					
Reaction Area	Low	76	<6.42E+00	29.3	397.2	182.6	<2.57E+02	2,150,675	199,804	<5.13E+07	<5.95E+07	<2.97E+04
Non-Reaction Area	High	232	130.9	86.1	186.7	238.7	129.6	1,422,799	132,182	17124800	19,843,022	9,922
Non-Reaction Area	Med	131	13.1	28.1	12.2	45.9	24.8	1,836,684	170,634	9673857	11,209,390	5,605
Non-Reaction Area	Med	86	68.6	89.1	113.6	78.0	88.6					
Non-Reaction Area	Low	133	16.7	17.0	23.0	27.8	20.1	3,704,751	344,183	6901600	7,997,093	3,999
Non SEM Area							<9.66E+01	646,053	60,020	5,576	<6.72E+06	<3.36E+03
Total								12,905,294	1,198,941	<1.10E+08	<1.28E+08	<6.71E+04
										Exceedance Area		9,099
										Reaction Area		<3.51E+04
										Non-Reaction Area		19,525
										Average Flux (mg/m2-min)		<9.66E+01
										Membrane Flux (mg/m2-min)		<9.78E+00

Methane

High Resolution Calculation Approach

Category	Subset	Rep Cell M?	Flux (mg/m2-min)					Area Rep		Emissions			
			Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	0.2652	0.0867	2.2970	109.6036	0.7385	1,103,258	102,496	75690	87,705	43.85	
Reaction Area	High	213	0.0658	2.3042	0.0370	0.0235	1.2689	241,924	22,475	28519	33,045	16.52	
Reaction Area	Med	197	0.0795	36.1089	8.8978	0.4287	9.5211	371,049	34,472	<1.65E+05	<1.91E+05	<9.54E+01	
Reaction Area	Med	195	0.0234	0.0453	0.0569	<1.14E-02	<3.05E-02						
Reaction Area	Low	149	<1.14E-02	0.0358	0.1765	8.3607	<3.93E-02	908,877	84,437	<3.32E+03	<3.84E+03	<1.92E+00	
Membrane	High	204 M	<1.04E-02	<1.60E-02	<1.07E-02	<1.07E-02	<1.17E-02	623,066	57,885	<6.75E+02	<7.82E+02	<3.91E-01	
Membrane	Low	183 M	<1.03E-02	<1.10E-02	<1.14E-02	<9.76E-03	<1.06E-02	1,086,870	100,974	<1.07E+03	<1.24E+03	<6.22E-01	
Interface	High	75	<1.09E-02	<1.20E-02	0.0648	4.9832	<1.97E-02	176,235	16,373	<3.22E+02	<3.73E+02	<1.87E-01	
Interface	Med	158	0.0774	0.1246	<9.82E-03	0.1442	<7.42E-02	229,530	21,324	<1.44E+03	<1.67E+03	<8.34E-01	
Interface	Med	211 P	<1.12E-02	0.3204	<8.89E-03	<1.31E-02	<6.08E-02						
Interface	Low	76 P	<1.17E-02	<1.01E-02	0.4235	7.8117	<2.72E-01	554,198	51,487	<1.40E+04	<1.62E+04	<8.11E+00	
Non-Reaction Area	High	232	0.0912	0.0526	9.8865	23.3767	1.2722	1,422,799	132,182	168167	194,860	97.43	
Non-Reaction Area	Med	131	<1.04E-02	<1.15E-02	<1.01E-02	<1.18E-02	<1.10E-02	1,836,684	170,634	<5.93E+03	<6.87E+03	<3.43E+00	
Non-Reaction Area	Med	86	0.0613	0.0518	0.0544	0.0431	0.0585						
Non-Reaction Area	Low	133	<1.15E-02	<1.06E-02	<1.22E-02	<1.55E-02	<1.23E-02	3,704,751	344,183	<4.22E+03	<4.89E+03	<2.44E+00	
Non SEM Area							<4.11E-01	646,053	60,020	<2.47E+04	<2.86E+04	<1.43E+01	
Total								12,905,294	1,198,941	<4.93E+05	<5.71E+05	<2.85E+02	

	(TPY)
Exceedance Area	43.85
Reaction Area	<1.14E+02
Membrane	<1.01E+00
Interface	<9.13E+00
Non-Reaction Area	<1.03E+02
Average Flux (mg/m2-min)	<4.11E-01
Reaction Area Flux (mg/m2-m)	<5.89E-01
Non-Reaction Area Flux (mg/m2-m)	<2.76E-01
Membrane Flux (mg/m2-min)	<1.10E-02
Interface Flux (mg/m2-min)	<1.77E-01

Legacy Calculation Approach

Category	Subset	Rep Cell M?	Flux (mg/m2-min)					Area Rep		Emissions			
			Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	0.2652	0.0867	2.2970	109.6036	0.7385	1,103,258	102,496	75690	87,705	43.85	
Reaction Area	High	75	<1.09E-02	<1.20E-02	0.0648	4.9832	<1.97E-02	720,877	66,972	<1.32E+03	<1.53E+03	<7.63E-01	
Reaction Area	Med	204 M	<1.04E-02	<1.60E-02	<1.07E-02	<1.07E-02	<1.17E-02	1,320,197	122,650	<5.27E+03	<6.10E+03	<3.05E+00	
Reaction Area	Med	158	0.0774	0.1246	<9.82E-03	0.1442	<7.42E-02						
Reaction Area	Low	76	<1.17E-02	<1.01E-02	0.4235	7.8117	<2.72E-01	2,150,675	199,804	<5.43E+04	<6.29E+04	<3.15E+01	
Non-Reaction Area	High	232	0.0912	0.0526	9.8865	23.3767	1.2722	1,422,799	132,182	168167	194,860	97.43	
Non-Reaction Area	Med	131	<1.04E-02	<1.15E-02	<1.01E-02	<1.18E-02	<1.10E-02	1,836,684	170,634	<5.93E+03	<6.87E+03	<3.43E+00	
Non-Reaction Area	Med	86	0.0613	0.0518	0.0544	0.0431	0.0585						
Non-Reaction Area	Low	133	<1.15E-02	<1.06E-02	<1.22E-02	<1.55E-02	<1.23E-02	3,704,751	344,183	<4.22E+03	<4.89E+03	<2.44E+00	
Non SEM Area							<2.76E-01	646,053	60,020	5,576	<1.92E+04	<9.61E+00	
Total								12,905,294	1,198,941	<3.15E+05	<3.65E+05	<1.92E+02	

Exceedance Area	43.85
Reaction Area	<3.53E+01
Non-Reaction Area	<1.03E+02
Average Flux (mg/m2-min)	<2.76E-01
Membrane Flux (mg/m2-min)	<1.16E-02

VOC (TO-12 C1)

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.30E-03	0.0018	<1.11E-03	0.0219	<1.36E-03	1,103,258	102,496	<1.39E+02	<1.61E+02	<8.05E-02
Reaction Area	High	213		0.0173	0.0099	<6.41E-04	0.0044	<1.20E-02	241,924	22,475	<2.71E+02	<3.13E+02	<1.57E-01
Reaction Area	Med	197		0.0320	0.0553	0.0196	0.0020	0.0343	371,049	34,472	667	773	0
Reaction Area	Med	195		0.0047	0.0043	0.0028	0.1766	0.0044					
Reaction Area	Low	149		0.0025	<7.98E-04	0.0020	0.0036	<1.91E-03	908,877	84,437	<1.61E+02	<1.87E+02	<9.35E-02
Membrane	High	204	M	0.0026	0.0023	0.0036	<6.44E-04	<2.63E-03	623,066	57,885	<1.52E+02	<1.76E+02	<8.81E-02
Membrane	Low	183	M	0.0060	0.0023	0.0030	0.0030	0.0037	1,086,870	100,974	378	438	0.22
Interface	High	75		0.0017	<6.82E-04	0.0055	0.0130	<2.07E-03	176,235	16,373	<3.39E+01	<3.93E+01	<1.96E-02
Interface	Med	158		0.0056	0.0032	<6.05E-04	<1.25E-03	<5.03E-03	229,530	21,324	<7.69E+01	<8.92E+01	<4.46E-02
Interface	Med	211	P	0.0022	0.0025	0.0015	0.0020	0.0022					
Interface	Low	76	P	0.0015	0.0017	0.0095	0.0060	0.0066	554,198	51,487	339	393	0.20
Non-Reaction Area	High	232		0.0088	0.0014	0.0176	0.0180	0.0085	1,422,799	132,182	1123	1,301	0.65
Non-Reaction Area	Med	131		0.0026	0.0023	<6.42E-04	<7.19E-04	<1.56E-03	1,836,684	170,634	<6.09E+02	<7.06E+02	<3.53E-01
Non-Reaction Area	Med	86		0.0020	0.0047	0.0123	<6.46E-04	<5.58E-03					
Non-Reaction Area	Low	133		<7.07E-04	<6.63E-04	0.0021	<8.82E-04	<9.51E-04	3,704,751	344,183	<3.27E+02	<3.79E+02	<1.90E-01
Non SEM Area								<3.76E-03	646,053	60,020	<2.25E+02	<2.61E+02	<1.31E-01
Total									12,905,294	1,198,941	<4.50E+03	<5.22E+03	<2.61E+00

	(TPY)
Exceedance Area	<8.05E-02
Reaction Area	<6.37E-01
Membrane	<3.07E-01
Interface	<2.61E-01
Non-Reaction Area	<1.19E+00
Average Flux (mg/m2-min)	<3.76E-03
Reaction Area Flux (mg/m2-m)	<4.51E-03
Non-Reaction Area Flux (mg/m2-m)	<3.18E-03
Membrane Flux (mg/m2-min)	<3.34E-03
Interface Flux (mg/m2-min)	<5.05E-03

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.30E-03	0.0018	<1.11E-03	0.0219	<1.36E-03	1,103,258	102,496	<1.39E+02	<1.61E+02	<8.05E-02
Reaction Area	High	75		0.0017	<6.82E-04	0.0055	0.0130	<2.07E-03	720,877	66,972	<1.39E+02	<1.61E+02	<8.03E-02
Reaction Area	Med	204	M	0.0026	0.0023	0.0036	<6.44E-04	<2.63E-03	1,320,197	122,650	<4.69E+02	<5.44E+02	<2.72E-01
Reaction Area	Med	158		0.0056	0.0032	<6.05E-04	<1.25E-03	<5.03E-03					
Reaction Area	Low	76		0.0015	0.0017	0.0095	0.0060	0.0066	2,150,675	199,804	1317	1,527	0.76
Non-Reaction Area	High	232		0.0088	0.0014	0.0176	0.0180	0.0085	1,422,799	132,182	1123	1,301	0.65
Non-Reaction Area	Med	131		0.0026	0.0023	<6.42E-04	<7.19E-04	<1.56E-03	1,836,684	170,634	<6.09E+02	<7.06E+02	<3.53E-01
Non-Reaction Area	Med	86		0.0020	0.0047	0.0123	<6.46E-04	<5.58E-03					
Non-Reaction Area	Low	133		<7.07E-04	<6.63E-04	0.0021	<8.82E-04	<9.51E-04	3,704,751	344,183	<3.27E+02	<3.79E+02	<1.90E-01
Non SEM Area								<3.62E-03	646,053	60,020	5,576	<2.52E+02	<1.26E-01
Total									12,905,294	1,198,941	<4.12E+03	<4.78E+03	<2.51E+00

Exceedance Area	<8.05E-02
Reaction Area	<1.12E+00
Non-Reaction Area	<1.19E+00
Average Flux (mg/m2-min)	<3.62E-03
Membrane Flux (mg/m2-min)	<2.14E-03

67-64-1

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87	0.00208	0.00121	0.00109	0.00196	0.00165	1,103,258	102,496	169	196	0.098
Reaction Area	High	213	0.00218	0.00054	0.00074	0.00048	0.00119	241,924	22,475	27	31	0.015
Reaction Area	Med	197	0.00511	0.01242	0.00197	<1.21E-04	<5.99E-03	371,049	34,472	<1.27E+02	<1.47E+02	<7.36E-02
Reaction Area	Med	195	0.00077	0.00371	0.00226	0.12799	0.00138					
Reaction Area	Low	149	<8.61E-05	<1.08E-04	0.00058	0.00070	<1.52E-04	908,877	84,437	<1.29E+01	<1.49E+01	<7.46E-03
Membrane	High	204 M	<8.51E-05	0.00035	<8.56E-05	<8.68E-05	<1.44E-04	623,066	57,885	<8.34E+00	<9.67E+00	<4.83E-03
Membrane	Low	183 M	<8.23E-05	<9.14E-05	0.00019	<7.89E-05	<1.04E-04	1,086,870	100,974	<1.05E+01	<1.22E+01	<6.09E-03
Interface	High	75	0.00032	0.00039	<1.21E-04	0.00227	<3.16E-04	176,235	16,373	<5.17E+00	<5.99E+00	<3.00E-03
Interface	Med	158	0.00063	0.00048	<8.15E-05	<1.69E-04	<5.69E-04	229,530	21,324	<1.02E+01	<1.19E+01	<5.93E-03
Interface	Med	211 P	0.00036	0.00067	0.00018	<1.09E-04	<3.90E-04					
Interface	Low	76 P	<9.08E-05	<8.19E-05	0.00122	0.00058	<8.00E-04	554,198	51,487	<4.12E+01	<4.77E+01	<2.39E-02
Non-Reaction Area	High	232	0.00228	<9.33E-05	<1.62E-04	0.00228	<1.62E-03	1,422,799	132,182	<2.15E+02	<2.49E+02	<1.24E-01
Non-Reaction Area	Med	131	<8.78E-05	0.00044	0.00041	0.00027	<3.03E-04	1,836,684	170,634	<2.06E+02	<2.38E+02	<1.19E-01
Non-Reaction Area	Med	86	0.00115	0.00157	0.00417	0.00132	0.00211					
Non-Reaction Area	Low	133	<9.53E-05	<8.94E-05	<9.99E-05	0.00055	<1.68E-04	3,704,751	344,183	<5.79E+01	<6.71E+01	<3.36E-02
Non SEM Area							<7.80E-04	646,053	60,020	<4.68E+01	<5.43E+01	<2.71E-02
						Total		12,905,294	1,198,941	<9.36E+02	<1.08E+03	<5.42E-01
												(TPY)
									Exceedance Area			0.098
									Reaction Area			<9.65E-02
									Membrane			<1.09E-02
									Interface			<3.28E-02
									Non-Reaction Area			<2.77E-01
									Average Flux (mg/m2-min)			<7.80E-04
									Reaction Area Flux (mg/m2-m)			<8.35E-04
									Non-Reaction Area Flux (mg/m2-m)			<7.39E-04
									Membrane Flux (mg/m2-min)			<1.19E-04
									Interface Flux (mg/m2-min)			<6.35E-04

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0021	0.0012	0.0011	0.0020	0.0016	1,103,258	102,496	169	196	0.10
Reaction Area	High	75		0.0003	0.0004	<1.21E-04	0.0023	<3.16E-04	720,877	66,972	<2.12E+01	<2.45E+01	<1.23E-02
Reaction Area	Med	204	M	<8.51E-05	0.0004	<8.56E-05	<8.68E-05	<1.44E-04	1,320,197	122,650	<4.37E+01	<5.07E+01	<2.53E-02
Reaction Area	Med	158		0.0006	0.0005	<8.15E-05	<1.69E-04	<5.69E-04					
Reaction Area	Low	76		<9.08E-05	<8.19E-05	0.0012	0.0006	<8.00E-04	2,150,675	199,804	<1.60E+02	<1.85E+02	<9.26E-02
Non-Reaction Area	High	232		0.0023	<9.33E-05	<1.62E-04	0.0023	<1.62E-03	1,422,799	132,182	<2.15E+02	<2.49E+02	<1.24E-01
Non-Reaction Area	Med	131		<8.78E-05	0.0004	0.0004	0.0003	<3.03E-04	1,836,684	170,634	<2.06E+02	<2.38E+02	<1.19E-01
Non-Reaction Area	Med	86		0.0011	0.0016	0.0042	0.0013	0.0021					
Non-Reaction Area	Low	133		<9.53E-05	<8.94E-05	<9.99E-05	0.0006	<1.68E-04	3,704,751	344,183	<5.79E+01	<6.71E+01	<3.36E-02
Non SEM Area								<7.65E-04	646,053	60,020	5,576	<5.32E+01	<2.66E-02
							Total		12,905,294	1,198,941	<8.72E+02	<1.01E+03	<5.32E-01
										Exceedance Area			0.10
										Reaction Area			<1.30E-01
										Non-Reaction Area			<2.77E-01
										Average Flux (mg/m2-min)			<7.65E-04
										Membrane Flux (mg/m2-min)			<1.32E-04

78-93-3

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0002	0.0001	0.0002	0.0001	0.0002	1,103,258	102,496	16	19	0.0093
Reaction Area	High	75		<2.05E-05	<2.25E-05	<2.98E-05	0.0004	<2.31E-05	720,877	66,972	<1.55E+00	<1.79E+00	<8.95E-04
Reaction Area	Med	204	M	<2.09E-05	<3.22E-05	<2.10E-05	<2.13E-05	<2.34E-05	1,320,197	122,650	<3.34E+00	<3.87E+00	<1.94E-03
Reaction Area	Med	158		<3.25E-05	<2.79E-05	<2.00E-05	<4.14E-05	<3.11E-05					
Reaction Area	Low	76		<2.23E-05	<2.01E-05	<1.35E-04	0.0001	<9.29E-05	2,150,675	199,804	<1.86E+01	<2.15E+01	<1.07E-02
Non-Reaction Area	High	232		<4.32E-05	<2.29E-05	<3.97E-05	0.0002	<3.91E-05	1,422,799	132,182	<5.16E+00	<5.98E+00	<2.99E-03
Non-Reaction Area	Med	131		<2.15E-05	<2.28E-05	<2.12E-05	<2.38E-05	<2.23E-05	1,836,684	170,634	<4.02E+01	<4.66E+01	<2.33E-02
Non-Reaction Area	Med	86		0.0001	0.0002	0.0013	0.0002	0.0004					
Non-Reaction Area	Low	133		<2.34E-05	<2.19E-05	0.0001	<2.92E-05	<3.68E-05	3,704,751	344,183	<1.27E+01	<1.47E+01	<7.34E-03
Non SEM Area								<8.56E-05	646,053	60,020	5,576	<5.95E+00	<2.98E-03
							Total		12,905,294	1,198,941	<9.75E+01	<1.13E+02	<5.94E-02
										Exceedance Area			0.0093
										Reaction Area			<1.36E-02
										Non-Reaction Area			<3.36E-02
										Average Flux (mg/m2-min)			<8.56E-05
										Membrane Flux (mg/m2-min)			<2.30E-05

67-56-1

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0013	0.0009	0.0014	0.0001	0.0012	1,103,258	102,496	125	145	0.0727
Reaction Area	High	75		0.0001	0.0001	0.0015	0.0017	0.0003	720,877	66,972	22	25	0.01
Reaction Area	Med	204	M	<4.69E-05	<7.23E-05	<4.71E-05	<4.78E-05	<5.25E-05	1,320,197	122,650	<7.51E+00	<8.70E+00	<4.35E-03
Reaction Area	Med	158		<7.30E-05	<6.27E-05	<4.49E-05	<9.30E-05	<6.99E-05					
Reaction Area	Low	76		<5.00E-05	<4.51E-05	0.0017	0.0002	<1.10E-03	2,150,675	199,804	<2.20E+02	<2.54E+02	<1.27E-01
Non-Reaction Area	High	232		0.0019	0.0003	0.0023	0.0022	0.0016	1,422,799	132,182	215	250	0.12
Non-Reaction Area	Med	131		<4.83E-05	0.0001	<4.77E-05	<5.34E-05	<6.73E-05	1,836,684	170,634	<1.51E+02	<1.75E+02	<8.73E-02
Non-Reaction Area	Med	86		0.0016	0.0021	0.0014	0.0010	0.0017					
Non-Reaction Area	Low	133		<5.25E-05	0.0001	<5.50E-05	<6.55E-05	<7.62E-05	3,704,751	344,183	<2.62E+01	<3.04E+01	<1.52E-02
Non SEM Area								<6.73E-04	646,053	60,020	5,576	<4.68E+01	<2.34E-02
							Total		12,905,294	1,198,941	<7.66E+02	<8.88E+02	<4.67E-01
										Exceedance Area			0.0727
										Reaction Area			<1.44E-01
										Non-Reaction Area			<2.27E-01
										Average Flux (mg/m2-min)			<6.73E-04
										Membrane Flux (mg/m2-min)			<5.17E-05

64-17-5

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87	0.00091	0.00035	0.00033	<7.66E-05	<6.45E-04	1,103,258	102,496	<6.61E+01	<7.66E+01	<3.83E-02
Reaction Area	High	213	0.00028	<6.34E-05	<6.85E-05	<7.85E-05	<1.47E-04	241,924	22,475	<3.30E+00	<3.82E+00	<1.91E-03
Reaction Area	Med	197	0.00045	0.00058	<9.14E-05	0.00022	<3.99E-04	371,049	34,472	<1.04E+01	<1.21E+01	<6.05E-03
Reaction Area	Med	195	<6.46E-05	0.00075	0.00040	0.05251	<2.07E-04					
Reaction Area	Low	149	<6.83E-05	<8.54E-05	<6.26E-05	<7.31E-05	<7.31E-05	908,877	84,437	<6.17E+00	<7.15E+00	<3.58E-03
Membrane	High	204 M	<6.75E-05	<1.04E-04	<6.79E-05	<6.89E-05	<7.57E-05	623,066	57,885	<4.38E+00	<5.08E+00	<2.54E-03
Membrane	Low	183 M	<6.53E-05	<7.26E-05	<6.79E-05	<6.26E-05	<6.75E-05	1,086,870	100,974	<6.82E+00	<7.90E+00	<3.95E-03
Interface	High	75	<6.62E-05	<7.29E-05	<9.63E-05	0.00329	<7.47E-05	176,235	16,373	<1.22E+00	<1.42E+00	<7.09E-04
Interface	Med	158	<1.05E-04	<9.03E-05	<6.47E-05	<1.34E-04	<1.01E-04	229,530	21,324	<1.87E+00	<2.17E+00	<1.08E-03
Interface	Med	211 P	<7.47E-05	<8.20E-05	<6.29E-05	<8.61E-05	<7.47E-05					
Interface	Low	76 P	<7.20E-05	<6.50E-05	<4.35E-04	<8.32E-05	<3.00E-04	554,198	51,487	<1.55E+01	<1.79E+01	<8.96E-03
Non-Reaction Area	High	232	<1.40E-04	<7.41E-05	<1.29E-04	0.00042	<1.26E-04	1,422,799	132,182	<1.67E+01	<1.94E+01	<9.68E-03
Non-Reaction Area	Med	131	<6.96E-05	<7.39E-05	<6.87E-05	<7.69E-05	<7.23E-05	1,836,684	170,634	<1.34E+01	<1.56E+01	<7.79E-03
Non-Reaction Area	Med	86	<8.10E-05	<7.56E-05	<9.42E-05	<6.91E-05	<8.53E-05					
Non-Reaction Area	Low	133	<7.56E-05	<7.09E-05	<7.92E-05	<9.43E-05	<7.98E-05	3,704,751	344,183	<2.75E+01	<3.18E+01	<1.59E-02
Non SEM Area							<1.52E-04	646,053	60,020	<9.14E+00	<1.06E+01	<5.29E-03
						Total		12,905,294	1,198,941	<1.83E+02	<2.12E+02	<1.06E-01
												(TPY)
									Exceedance Area			<3.83E-02
									Reaction Area			<1.15E-02
									Membrane			<6.49E-03
									Interface			<1.08E-02
									Non-Reaction Area			<3.34E-02
									Average Flux (mg/m2-min)			<1.52E-04
									Reaction Area Flux (mg/m2-m)			<2.35E-04
									Non-Reaction Area Flux (mg/m2-m)			<8.90E-05
									Membrane Flux (mg/m2-min)			<7.05E-05
									Interface Flux (mg/m2-min)			<2.08E-04

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)				Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0009	0.0004	0.0003	<7.66E-05	<6.45E-04	1,103,258	102,496	<6.61E+01	<7.66E+01	<3.83E-02
Reaction Area	High	75		<6.62E-05	<7.29E-05	<9.63E-05	0.0033	<7.47E-05	720,877	66,972	<5.00E+00	<5.80E+00	<2.90E-03
Reaction Area	Med	204	M	<6.75E-05	<1.04E-04	<6.79E-05	<6.89E-05	<7.57E-05	1,320,197	122,650	<1.08E+01	<1.25E+01	<6.27E-03
Reaction Area	Med	158		<1.05E-04	<9.03E-05	<6.47E-05	<1.34E-04	<1.01E-04					
Reaction Area	Low	76		<7.20E-05	<6.50E-05	<4.35E-04	<8.32E-05	<3.00E-04	2,150,675	199,804	<6.00E+01	<6.96E+01	<3.48E-02
Non-Reaction Area	High	232		<1.40E-04	<7.41E-05	<1.29E-04	0.0004	<1.26E-04	1,422,799	132,182	<1.67E+01	<1.94E+01	<9.68E-03
Non-Reaction Area	Med	131		<6.96E-05	<7.39E-05	<6.87E-05	<7.69E-05	<7.23E-05	1,836,684	170,634	<1.34E+01	<1.56E+01	<7.79E-03
Non-Reaction Area	Med	86		<8.10E-05	<7.56E-05	<9.42E-05	<6.91E-05	<8.53E-05					
Non-Reaction Area	Low	133		<7.56E-05	<7.09E-05	<7.92E-05	<9.43E-05	<7.98E-05	3,704,751	344,183	<2.75E+01	<3.18E+01	<1.59E-02
Non SEM Area								<1.75E-04	646,053	60,020	5,576	<1.22E+01	<6.09E-03
							Total		12,905,294	1,198,941	<2.00E+02	<2.31E+02	<1.22E-01
										Exceedance Area			<3.83E-02
										Reaction Area			<4.39E-02
										Non-Reaction Area			<3.34E-02
										Average Flux (mg/m2-min)			<1.75E-04
										Membrane Flux (mg/m2-min)			<7.44E-03

Isopropyltoluene

99-87-6

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.63E-04	<1.02E-04	<1.39E-04	0.00305	<1.44E-04	1,103,258	102,496	<1.48E+01	<1.71E+01	<8.55E-03
Reaction Area	High	213		0.00100	<7.41E-05	<8.01E-05	<9.17E-05	<4.32E-04	241,924	22,475	<9.71E+00	<1.13E+01	<5.63E-03
Reaction Area	Med	197		0.00248	<2.99E-04	<1.07E-04	<1.12E-04	<1.52E-03	371,049	34,472	<2.77E+01	<3.21E+01	<1.61E-02
Reaction Area	Med	195		<7.55E-05	<9.36E-05	<1.09E-04	0.08890	<8.49E-05					
Reaction Area	Low	149		<7.98E-05	<9.97E-05	<7.31E-05	<8.53E-05	<8.54E-05	908,877	84,437	<7.21E+00	<8.35E+00	<4.18E-03
Membrane	High	204	M	<7.89E-05	<1.22E-04	0.00066	<8.04E-05	<1.32E-04	623,066	57,885	<7.62E+00	<8.83E+00	<4.41E-03
Membrane	Low	183	M	0.00039	<8.47E-05	<7.93E-05	0.00027	<2.14E-04	1,086,870	100,974	<2.17E+01	<2.51E+01	<1.25E-02
Interface	High	75		<7.74E-05	<8.52E-05	<1.12E-04	<2.70E-04	<8.72E-05	176,235	16,373	<1.43E+00	<1.65E+00	<8.27E-04
Interface	Med	158		<1.23E-04	<1.05E-04	<7.56E-05	<1.56E-04	<1.18E-04	229,530	21,324	<2.19E+00	<2.53E+00	<1.27E-03
Interface	Med	211	P	<8.72E-05	<9.58E-05	<7.34E-05	<1.01E-04	<8.73E-05					
Interface	Low	76	P	<8.41E-05	<7.59E-05	<5.09E-04	<9.72E-05	<3.51E-04	554,198	51,487	<1.81E+01	<2.09E+01	<1.05E-02
Non-Reaction Area	High	232		<1.63E-04	<8.65E-05	<1.50E-04	<1.88E-04	<1.48E-04	1,422,799	132,182	<1.95E+01	<2.26E+01	<1.13E-02
Non-Reaction Area	Med	131		<8.13E-05	<8.63E-05	<8.02E-05	<8.98E-05	<8.44E-05	1,836,684	170,634	<2.48E+01	<2.87E+01	<1.44E-02
Non-Reaction Area	Med	86		<9.46E-05	<8.83E-05	0.00051	<8.07E-05	<2.06E-04					
Non-Reaction Area	Low	133		<8.83E-05	<8.28E-05	<9.25E-05	<1.10E-04	<9.32E-05	3,704,751	344,183	<3.21E+01	<3.72E+01	<1.86E-02
Non SEM Area								<1.64E-04	646,053	60,020	<9.84E+00	<1.14E+01	<5.70E-03
Total								12,905,294	1,198,941	<1.97E+02	<2.28E+02	<1.14E-01	
												(TPY)	
												Exceedance Area	<8.55E-03
												Reaction Area	<2.59E-02
												Membrane	<1.70E-02
												Interface	<1.26E-02
												Non-Reaction Area	<4.42E-02
												Average Flux (mg/m2-min)	<1.64E-04
												Reaction Area Flux (mg/m2-m)	<2.24E-04
												Non-Reaction Area Flux (mg/m2-m)	<1.18E-04
												Membrane Flux (mg/m2-min)	<1.84E-04
												Interface Flux (mg/m2-min)	<2.43E-04

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87		<1.63E-04	<1.02E-04	<1.39E-04	0.0030	<1.44E-04	1,103,258	102,496	<1.48E+01	<1.71E+01	<8.55E-03	
Reaction Area	High	75		<7.74E-05	<8.52E-05	<1.12E-04	<2.70E-04	<8.72E-05	720,877	66,972	<5.84E+00	<6.76E+00	<3.38E-03	
Reaction Area	Med	204	M	<7.89E-05	<1.22E-04	0.0007	<8.04E-05	<1.32E-04	1,320,197	122,650	<1.53E+01	<1.77E+01	<8.86E-03	
Reaction Area	Med	158		<1.23E-04	<1.05E-04	<7.56E-05	<1.56E-04	<1.18E-04						
Reaction Area	Low	76		<8.41E-05	<7.59E-05	<5.09E-04	<9.72E-05	<3.51E-04	2,150,675	199,804	<7.01E+01	<8.12E+01	<4.06E-02	
Non-Reaction Area	High	232		<1.63E-04	<8.65E-05	<1.50E-04	<1.88E-04	<1.48E-04	1,422,799	132,182	<1.95E+01	<2.26E+01	<1.13E-02	
Non-Reaction Area	Med	131		<8.13E-05	<8.63E-05	<8.02E-05	<8.98E-05	<8.44E-05	1,836,684	170,634	<2.48E+01	<2.87E+01	<1.44E-02	
Non-Reaction Area	Med	86		<9.46E-05	<8.83E-05	0.0005	<8.07E-05	<2.06E-04						
Non-Reaction Area	Low	133		<8.83E-05	<8.28E-05	<9.25E-05	<1.10E-04	<9.32E-05	3,704,751	344,183	<3.21E+01	<3.72E+01	<1.86E-02	
Non SEM Area								<1.60E-04	646,053	60,020	5,576	<1.11E+01	<5.57E-03	
Total									12,905,294	1,198,941	<1.82E+02	<2.11E+02	<1.11E-01	
												Exceedance Area	<8.55E-03	
												Reaction Area	<5.29E-02	
												Non-Reaction Area	<4.42E-02	
												Average Flux (mg/m2-min)		<1.60E-04
												Membrane Flux (mg/m2-min)		<1.76E-04

109-99-9

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.22E-05	<1.40E-05	<1.89E-05	0.00020	<1.96E-05	1,103,258	102,496	<2.01E+00	<2.33E+00	<1.16E-03
Reaction Area	High	213		<1.83E-05	<1.01E-05	<1.09E-05	0.00035	<1.33E-05	241,924	22,475	<2.99E-01	<3.47E-01	<1.73E-04
Reaction Area	Med	197		<1.91E-05	<4.08E-05	<1.46E-05	<1.53E-05	<2.27E-05	371,049	34,472	<5.99E-01	<6.95E-01	<3.47E-04
Reaction Area	Med	195		<1.03E-05	<1.28E-05	<1.48E-05	0.02606	<1.20E-05					
Reaction Area	Low	149		<1.09E-05	<1.36E-05	<9.97E-06	<1.16E-05	<1.16E-05	908,877	84,437	<9.82E-01	<1.14E+00	<5.69E-04
Membrane	High	204	M	<1.08E-05	<1.66E-05	<1.08E-05	<1.10E-05	<1.21E-05	623,066	57,885	<6.98E-01	<8.08E-01	<4.04E-04
Membrane	Low	183	M	<1.04E-05	<1.16E-05	<1.08E-05	<9.97E-06	<1.08E-05	1,086,870	100,974	<1.09E+00	<1.26E+00	<6.29E-04
Interface	High	75		<1.05E-05	<1.16E-05	<1.53E-05	<3.68E-05	<1.19E-05	176,235	16,373	<1.95E-01	<2.25E-01	<1.13E-04
Interface	Med	158		<1.67E-05	<1.44E-05	<1.03E-05	<2.13E-05	<1.60E-05	229,530	21,324	<2.98E-01	<3.45E-01	<1.73E-04
Interface	Med	211	P	<1.19E-05	<1.31E-05	<1.00E-05	<1.37E-05	<1.19E-05					
Interface	Low	76	P	<1.15E-05	<1.03E-05	<6.93E-05	<1.32E-05	<4.78E-05	554,198	51,487	<2.46E+00	<2.85E+00	<1.43E-03
Non-Reaction Area	High	232		<2.22E-05	<1.18E-05	<2.05E-05	<2.57E-05	<2.01E-05	1,422,799	132,182	<2.66E+00	<3.08E+00	<1.54E-03
Non-Reaction Area	Med	131		<1.11E-05	<1.18E-05	<1.09E-05	<1.22E-05	<1.15E-05	1,836,684	170,634	<2.14E+00	<2.48E+00	<1.24E-03
Non-Reaction Area	Med	86		<1.29E-05	<1.20E-05	<1.50E-05	<1.10E-05	<1.36E-05					
Non-Reaction Area	Low	133		<1.20E-05	<1.13E-05	<1.26E-05	<1.50E-05	<1.27E-05	3,704,751	344,183	<4.37E+00	<5.07E+00	<2.53E-03
Non SEM Area								<1.56E-05	646,053	60,020	<9.38E-01	<1.09E+00	<5.44E-04
Total									12,905,294	1,198,941	<1.87E+01	<2.17E+01	<1.09E-02
													(TPY)
										Exceedance Area		<1.16E-03	
										Reaction Area		<1.09E-03	
										Membrane		<1.03E-03	
										Interface		<1.71E-03	
										Non-Reaction Area		<5.31E-03	
										Average Flux (mg/m2-min)		<1.56E-05	
										Reaction Area Flux (mg/m2-m)		<1.75E-05	
										Non-Reaction Area Flux (mg/m2-m)		<1.42E-05	
										Membrane Flux (mg/m2-min)		<1.12E-05	
										Interface Flux (mg/m2-min)		<3.31E-05	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.22E-05	<1.40E-05	<1.89E-05	0.0002	<1.96E-05	1,103,258	102,496	<2.01E+00	<2.33E+00	<1.16E-03
Reaction Area	High	75		<1.05E-05	<1.16E-05	<1.53E-05	<3.68E-05	<1.19E-05	720,877	66,972	<7.96E-01	<9.22E-01	<4.61E-04
Reaction Area	Med	204	M	<1.08E-05	<1.66E-05	<1.08E-05	<1.10E-05	<1.21E-05	1,320,197	122,650	<1.72E+00	<2.00E+00	<9.98E-04
Reaction Area	Med	158		<1.67E-05	<1.44E-05	<1.03E-05	<2.13E-05	<1.60E-05					
Reaction Area	Low	76		<1.15E-05	<1.03E-05	<6.93E-05	<1.32E-05	<4.78E-05	2,150,675	199,804	<9.56E+00	<1.11E+01	<5.54E-03
Non-Reaction Area	High	232		<2.22E-05	<1.18E-05	<2.05E-05	<2.57E-05	<2.01E-05	1,422,799	132,182	<2.66E+00	<3.08E+00	<1.54E-03
Non-Reaction Area	Med	131		<1.11E-05	<1.18E-05	<1.09E-05	<1.22E-05	<1.15E-05	1,836,684	170,634	<2.14E+00	<2.48E+00	<1.24E-03
Non-Reaction Area	Med	86		<1.29E-05	<1.20E-05	<1.50E-05	<1.10E-05	<1.36E-05					
Non-Reaction Area	Low	133		<1.20E-05	<1.13E-05	<1.26E-05	<1.50E-05	<1.27E-05	3,704,751	344,183	<4.37E+00	<5.07E+00	<2.53E-03
Non SEM Area								<2.04E-05	646,053	60,020	5,576	<1.42E+00	<7.10E-04
							Total		12,905,294	1,198,941	<2.33E+01	<2.69E+01	<1.42E-02
										Exceedance Area			<1.16E-03
										Reaction Area			<7.00E-03
										Non-Reaction Area			<5.31E-03
										Average Flux (mg/m2-min)			<2.04E-05
										Membrane Flux (mg/m2-min)			<1.19E-05

Propylene

115-07-1

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.51E-05	<1.58E-05	<2.15E-05	0.00198	<2.23E-05	1,103,258	102,496	<2.28E+00	<2.65E+00	<1.32E-03
Reaction Area	High	213		0.00008	0.00012	0.00006	<1.42E-05	<1.02E-04	241,924	22,475	<2.29E+00	<2.65E+00	<1.33E-03
Reaction Area	Med	197		0.00012	0.00032	0.00046	0.00011	0.00023	371,049	34,472	6.0	7	0
Reaction Area	Med	195		0.00011	0.00013	0.00015	0.00070	0.00012					
Reaction Area	Low	149		0.00010	<1.54E-05	0.00009	0.00009	<7.42E-05	908,877	84,437	<6.27E+00	<7.26E+00	<3.63E-03
Membrane	High	204	M	<1.22E-05	<1.88E-05	0.00008	<1.24E-05	<1.84E-05	623,066	57,885	<1.07E+00	<1.23E+00	<6.17E-04
Membrane	Low	183	M	<1.18E-05	0.00005	0.00005	0.00005	<3.85E-05	1,086,870	100,974	<3.89E+00	<4.51E+00	<2.25E-03
Interface	High	75		<1.19E-05	<1.32E-05	<1.74E-05	<4.17E-05	<1.35E-05	176,235	16,373	<2.20E-01	<2.55E-01	<1.28E-04
Interface	Med	158		<1.90E-05	<1.63E-05	<1.17E-05	<2.42E-05	<1.82E-05	229,530	21,324	<3.37E-01	<3.91E-01	<1.96E-04
Interface	Med	211	P	<1.35E-05	<1.48E-05	<1.13E-05	<1.55E-05	<1.35E-05					
Interface	Low	76	P	<1.30E-05	<1.17E-05	<7.85E-05	0.00044	<5.42E-05	554,198	51,487	<2.79E+00	<3.23E+00	<1.62E-03
Non-Reaction Area	High	232		0.00027	<1.34E-05	0.00050	0.00032	<2.55E-04	1,422,799	132,182	<3.37E+01	<3.91E+01	<1.95E-02
Non-Reaction Area	Med	131		<1.26E-05	<1.33E-05	<1.24E-05	<1.39E-05	<1.30E-05	1,836,684	170,634	<7.93E+00	<9.19E+00	<4.60E-03
Non-Reaction Area	Med	86		<1.46E-05	0.00011	0.00015	0.00007	<7.99E-05					
Non-Reaction Area	Low	133		<1.36E-05	<1.28E-05	0.00009	0.00010	<3.99E-05	3,704,751	344,183	<1.37E+01	<1.59E+01	<7.95E-03
Non SEM Area								<7.07E-05	646,053	60,020	<4.24E+00	<4.92E+00	<2.46E-03
Total									12,905,294	1,198,941	<8.48E+01	<9.82E+01	<4.91E-02
(TPY)													
Exceedance Area													<1.32E-03
Reaction Area													<8.44E-03
Membrane													<2.87E-03
Interface													<1.94E-03
Non-Reaction Area													<3.21E-02
Average Flux (mg/m2-min)													<7.07E-05
Reaction Area Flux (mg/m2-m)													<5.11E-05
Non-Reaction Area Flux (mg/m2-m)													<8.56E-05
Membrane Flux (mg/m2-min)													<3.12E-05
Interface Flux (mg/m2-min)													<3.75E-05

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.51E-05	<1.58E-05	<2.15E-05	0.0020	<2.23E-05	1,103,258	102,496	<2.28E+00	<2.65E+00	<1.32E-03
Reaction Area	High	75		<1.19E-05	<1.32E-05	<1.74E-05	<4.17E-05	<1.35E-05	720,877	66,972	<9.01E-01	<1.04E+00	<5.22E-04
Reaction Area	Med	204	M	<1.22E-05	<1.88E-05	0.0001	<1.24E-05	<1.84E-05	1,320,197	122,650	<2.24E+00	<2.60E+00	<1.30E-03
Reaction Area	Med	158		<1.90E-05	<1.63E-05	<1.17E-05	<2.42E-05	<1.82E-05					
Reaction Area	Low	76		<1.30E-05	<1.17E-05	<7.85E-05	0.0004	<5.42E-05	2,150,675	199,804	<1.08E+01	<1.25E+01	<6.27E-03
Non-Reaction Area	High	232		0.0003	<1.34E-05	0.0005	0.0003	<2.55E-04	1,422,799	132,182	<3.37E+01	<3.91E+01	<1.95E-02
Non-Reaction Area	Med	131		<1.26E-05	<1.33E-05	<1.24E-05	<1.39E-05	<1.30E-05	1,836,684	170,634	<7.93E+00	<9.19E+00	<4.60E-03
Non-Reaction Area	Med	86		<1.46E-05	0.0001	0.0001	0.0001	<7.99E-05					
Non-Reaction Area	Low	133		<1.36E-05	<1.28E-05	0.0001	0.0001	<3.99E-05	3,704,751	344,183	<1.37E+01	<1.59E+01	<7.95E-03
Non SEM Area								<6.29E-05	646,053	60,020	5,576	<4.37E+00	<2.19E-03
Total									12,905,294	1,198,941	<7.16E+01	<8.30E+01	<4.37E-02
Exceedance Area													<1.32E-03
Reaction Area													<8.10E-03
Non-Reaction Area													<3.21E-02
Average Flux (mg/m2-min)													<6.29E-05
Membrane Flux (mg/m2-min)													<2.33E-05

1330-20-7

High Resolution Calculation Approach

	(TPY)
Exceedance Area	<3.33E-03
Reaction Area	<1.19E-02
Membrane	<9.65E-03
Interface	<4.90E-03
Non-Reaction Area	<1.52E-02
Average Flux (mg/m ² -min)	<6.81E-05
Reaction Area Flux (mg/m ² -m)	<1.04E-04
Non-Reaction Area Flux (mg/m ² -m)	<4.05E-05
Membrane Flux (mg/m ² -min)	<1.05E-04
Interface Flux (mg/m ² -min)	<9.47E-05

Legacy Calculation Approach

Exceedance Area	<3.33E-03
Reaction Area	<2.25E-02
Non-Reaction Area	<1.52E-02
Average Flux (mg/m ² -min)	<6.22E-05
Membrane Flux (mg/m ² -min)	<8.34E-05

107-02-8

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0002	<2.11E-05	<2.86E-05	<1.84E-05	<1.43E-04	1,103,258	102,496	<1.47E+01	<1.70E+01	<8.51E-03
Reaction Area	High	75		<1.59E-05	<1.75E-05	<2.31E-05	0.0004	<1.80E-05	720,877	66,972	<1.20E+00	<1.39E+00	<6.97E-04
Reaction Area	Med	204	M	<1.62E-05	<2.50E-05	<1.63E-05	<1.66E-05	<1.82E-05	1,320,197	122,650	<2.60E+00	<3.01E+00	<1.51E-03
Reaction Area	Med	158		<2.53E-05	<2.17E-05	<1.56E-05	<3.22E-05	<2.42E-05					
Reaction Area	Low	76		<1.73E-05	<1.56E-05	<1.05E-04	<2.00E-05	<7.22E-05	2,150,675	199,804	<1.44E+01	<1.67E+01	<8.36E-03
Non-Reaction Area	High	232		0.0004	<1.78E-05	<3.09E-05	<3.88E-05	<2.65E-04	1,422,799	132,182	<3.51E+01	<4.06E+01	<2.03E-02
Non-Reaction Area	Med	131		<1.67E-05	<1.78E-05	<1.65E-05	<1.85E-05	<1.74E-05	1,836,684	170,634	<1.16E+01	<1.35E+01	<6.75E-03
Non-Reaction Area	Med	86		0.0001	<1.82E-05	0.0002	0.0001	<1.19E-04					
Non-Reaction Area	Low	133		<1.82E-05	<1.71E-05	<1.91E-05	<2.27E-05	<1.92E-05	3,704,751	344,183	<6.60E+00	<7.65E+00	<3.83E-03
Non SEM Area								<7.57E-05	646,053	60,020	5,576	<5.27E+00	<2.63E-03
							Total		12,905,294	1,198,941	<8.62E+01	<9.99E+01	<5.26E-02
										Exceedance Area			<8.51E-03
										Reaction Area			<1.06E-02
										Non-Reaction Area			<3.09E-02
										Average Flux (mg/m2-min)			<7.57E-05
										Membrane Flux (mg/m2-min)			<1.79E-05

71-43-2

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.65E-04	<1.04E-04	<1.41E-04	0.00029	<1.46E-04	1,103,258	102,496	<1.50E+01	<1.74E+01	<8.68E-03
Reaction Area	High	213		<1.36E-04	<7.53E-05	<8.14E-05	<9.32E-05	<9.92E-05	241,924	22,475	<2.23E+00	<2.58E+00	<1.29E-03
Reaction Area	Med	197		<1.43E-04	0.00067	0.00032	<1.14E-04	<2.90E-04	371,049	34,472	<9.61E+00	<1.11E+01	<5.57E-03
Reaction Area	Med	195		0.00026	0.00019	0.00039	0.00127	0.00027					
Reaction Area	Low	149		0.00016	0.00021	<7.43E-05	<8.67E-05	<1.69E-04	908,877	84,437	<1.43E+01	<1.65E+01	<8.26E-03
Membrane	High	204	M	<8.02E-05	<1.24E-04	0.00032	<8.18E-05	<1.08E-04	623,066	57,885	<6.23E+00	<7.22E+00	<3.61E-03
Membrane	Low	183	M	0.00057	<8.61E-05	0.00018	0.00035	<3.06E-04	1,086,870	100,974	<3.09E+01	<3.58E+01	<1.79E-02
Interface	High	75		<7.86E-05	<8.66E-05	<1.14E-04	<2.74E-04	<8.86E-05	176,235	16,373	<1.45E+00	<1.68E+00	<8.40E-04
Interface	Med	158		<1.25E-04	<1.07E-04	<7.68E-05	<1.59E-04	<1.20E-04	229,530	21,324	<2.34E+00	<2.71E+00	<1.36E-03
Interface	Med	211	P	<8.87E-05	<9.73E-05	0.00019	<1.02E-04	<1.00E-04					
Interface	Low	76	P	<8.55E-05	<7.71E-05	<5.17E-04	<9.87E-05	<3.57E-04	554,198	51,487	<1.84E+01	<2.13E+01	<1.06E-02
Non-Reaction Area	High	232		0.00055	0.00041	0.00048	0.00049	0.00052	1,422,799	132,182	68.5	79	0.040
Non-Reaction Area	Med	131		<8.27E-05	<8.77E-05	0.00024	<9.12E-05	<1.25E-04	1,836,684	170,634	<2.34E+01	<2.71E+01	<1.36E-02
Non-Reaction Area	Med	86		0.00020	<8.97E-05	<1.12E-04	<8.20E-05	<1.50E-04					
Non-Reaction Area	Low	133		<8.97E-05	<8.42E-05	<9.40E-05	<1.12E-04	<9.47E-05	3,704,751	344,183	<3.26E+01	<3.78E+01	<1.89E-02
Non SEM Area								<1.97E-04	646,053	60,020	<1.18E+01	<1.37E+01	<6.87E-03
Total									12,905,294	1,198,941	<2.37E+02	<2.74E+02	<1.37E-01
													(TPY)
										Exceedance Area		<8.68E-03	
										Reaction Area		<1.51E-02	
										Membrane		<2.15E-02	
										Interface		<1.28E-02	
										Non-Reaction Area		<7.21E-02	
										Average Flux (mg/m2-min)		<1.97E-04	
										Reaction Area Flux (mg/m2-m)		<2.04E-04	
										Non-Reaction Area Flux (mg/m2-m)		<1.92E-04	
										Membrane Flux (mg/m2-min)		<2.34E-04	
										Interface Flux (mg/m2-min)		<2.48E-04	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.65E-04	<1.04E-04	<1.41E-04	0.0003	<1.46E-04	1,103,258	102,496	<1.50E+01	<1.74E+01	<8.68E-03
Reaction Area	High	75		<7.86E-05	<8.66E-05	<1.14E-04	<2.74E-04	<8.86E-05	720,877	66,972	<5.93E+00	<6.87E+00	<3.44E-03
Reaction Area	Med	204	M	<8.02E-05	<1.24E-04	0.0003	<8.18E-05	<1.08E-04	1,320,197	122,650	<1.39E+01	<1.61E+01	<8.07E-03
Reaction Area	Med	158		<1.25E-04	<1.07E-04	<7.68E-05	<1.59E-04	<1.20E-04					
Reaction Area	Low	76		<8.55E-05	<7.71E-05	<5.17E-04	<9.87E-05	<3.57E-04	2,150,675	199,804	<7.12E+01	<8.26E+01	<4.13E-02
Non-Reaction Area	High	232		0.0006	0.0004	0.0005	0.0005	0.0005	1,422,799	132,182	68	79	0.04
Non-Reaction Area	Med	131		<8.27E-05	<8.77E-05	0.0002	<9.12E-05	<1.25E-04	1,836,684	170,634	<2.34E+01	<2.71E+01	<1.36E-02
Non-Reaction Area	Med	86		0.0002	<8.97E-05	<1.12E-04	<8.20E-05	<1.50E-04					
Non-Reaction Area	Low	133		<8.97E-05	<8.42E-05	<9.40E-05	<1.12E-04	<9.47E-05	3,704,751	344,183	<3.26E+01	<3.78E+01	<1.89E-02
Non SEM Area								<2.02E-04	646,053	60,020	5,576	<1.41E+01	<7.04E-03
							Total		12,905,294	1,198,941	<2.31E+02	<2.67E+02	<1.41E-01
										Exceedance Area			<8.68E-03
										Reaction Area			<5.28E-02
										Non-Reaction Area			<7.21E-02
										Average Flux (mg/m2-min)			<2.02E-04
										Membrane Flux (mg/m2-min)			<1.25E-04

95-47-6

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<6.34E-05	<3.99E-05	<5.42E-05	0.0007	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	720,877	66,972	<2.28E+00	<2.64E+00	<1.32E-03
Reaction Area	Med	204	M	<3.07E-05	<4.74E-05	0.0001	<3.14E-05	<3.84E-05	1,320,197	122,650	<5.17E+00	<5.99E+00	<2.99E-03
Reaction Area	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05					
Reaction Area	Low	76		<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	2,150,675	199,804	<2.73E+01	<3.17E+01	<1.58E-02
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<5.86E-05	646,053	60,020	5,576	<4.08E+00	<2.04E-03
							Total		12,905,294	1,198,941	<6.67E+01	<7.73E+01	<4.07E-02
										Exceedance Area			<3.33E-03
										Reaction Area			<2.01E-02
										Non-Reaction Area			<1.52E-02
										Average Flux (mg/m2-min)			<5.86E-05
										Membrane Flux (mg/m2-min)			<4.21E-05

100-41-4

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<6.34E-05	<3.99E-05	<5.42E-05	0.00034	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	213		<5.22E-05	<2.89E-05	<3.12E-05	<3.57E-05	<3.80E-05	241,924	22,475	<8.55E-01	<9.90E-01	<4.95E-04
Reaction Area	Med	197		<5.48E-05	<1.17E-04	<4.16E-05	<4.36E-05	<6.50E-05	371,049	34,472	<1.67E+00	<1.94E+00	<9.70E-04
Reaction Area	Med	195		<2.94E-05	<3.65E-05	<4.24E-05	0.00328	<3.21E-05					
Reaction Area	Low	149		<3.11E-05	<3.89E-05	<2.85E-05	<3.33E-05	<3.33E-05	908,877	84,437	<2.81E+00	<3.25E+00	<1.63E-03
Membrane	High	204	M	<3.07E-05	<4.74E-05	0.00007	<3.14E-05	<3.77E-05	623,066	57,885	<2.18E+00	<2.53E+00	<1.27E-03
Membrane	Low	183	M	0.00008	<3.30E-05	<3.09E-05	<2.85E-05	<4.67E-05	1,086,870	100,974	<4.71E+00	<5.46E+00	<2.73E-03
Interface	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	176,235	16,373	<5.56E-01	<6.44E-01	<3.22E-04
Interface	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05	229,530	21,324	<8.52E-01	<9.87E-01	<4.93E-04
Interface	Med	211	P	<3.40E-05	<3.73E-05	<2.86E-05	<3.92E-05	<3.40E-05					
Interface	Low	76	P	<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	554,198	51,487	<7.04E+00	<8.16E+00	<4.08E-03
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<4.62E-05	646,053	60,020	<2.77E+00	<3.22E+00	<1.61E-03
Total									12,905,294	1,198,941	<5.54E+01	<6.42E+01	<3.21E-02
(TPY)													
										Exceedance Area		<3.33E-03	
										Reaction Area		<3.09E-03	
										Membrane		<4.00E-03	
										Interface		<4.90E-03	
										Non-Reaction Area		<1.52E-02	
										Average Flux (mg/m2-min)		<4.62E-05	
										Reaction Area Flux (mg/m2-m)		<5.37E-05	
										Non-Reaction Area Flux (mg/m2-m)		<4.05E-05	
										Membrane Flux (mg/m2-min)		<4.34E-05	
										Interface Flux (mg/m2-min)		<9.47E-05	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<6.34E-05	<3.99E-05	<5.42E-05	0.0003	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	720,877	66,972	<2.28E+00	<2.64E+00	<1.32E-03
Reaction Area	Med	204	M	<3.07E-05	<4.74E-05	0.0001	<3.14E-05	<3.77E-05	1,320,197	122,650	<5.13E+00	<5.94E+00	<2.97E-03
Reaction Area	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05					
Reaction Area	Low	76		<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	2,150,675	199,804	<2.73E+01	<3.17E+01	<1.58E-02
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<5.86E-05	646,053	60,020	5,576	<4.07E+00	<2.04E-03
							Total		12,905,294	1,198,941	<6.67E+01	<7.73E+01	<4.07E-02
										Exceedance Area			<3.33E-03
										Reaction Area			<2.01E-02
										Non-Reaction Area			<1.52E-02
										Average Flux (mg/m2-min)			<5.86E-05
										Membrane Flux (mg/m2-min)			<4.06E-05

110-82-7

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.59E-05	<1.63E-05	<2.21E-05	<1.42E-05	<2.29E-05	1,103,258	102,496	<2.35E+00	<2.72E+00	<1.36E-03
Reaction Area	High	213		<2.13E-05	0.00033	<1.27E-05	<1.46E-05	<1.87E-04	241,924	22,475	<4.20E+00	<4.87E+00	<2.43E-03
Reaction Area	Med	197		<2.24E-05	<4.77E-05	0.00070	<1.78E-05	<1.70E-04	371,049	34,472	<3.15E+00	<3.65E+00	<1.83E-03
Reaction Area	Med	195		<1.20E-05	<1.49E-05	<1.73E-05	<7.90E-05	<1.31E-05					
Reaction Area	Low	149		<1.27E-05	<1.59E-05	<1.16E-05	<1.36E-05	<1.36E-05	908,877	84,437	<1.15E+00	<1.33E+00	<6.65E-04
Membrane	High	204	M	<1.26E-05	<1.94E-05	<1.26E-05	<1.28E-05	<1.41E-05	623,066	57,885	<8.15E-01	<9.44E-01	<4.72E-04
Membrane	Low	183	M	<1.21E-05	<1.35E-05	<1.26E-05	<1.16E-05	<1.26E-05	1,086,870	100,974	<1.27E+00	<1.47E+00	<7.35E-04
Interface	High	75		<1.23E-05	<1.36E-05	<1.79E-05	<4.30E-05	<1.39E-05	176,235	16,373	<2.27E-01	<2.63E-01	<1.32E-04
Interface	Med	158		<1.96E-05	<1.68E-05	<1.20E-05	<2.49E-05	<1.87E-05	229,530	21,324	<3.48E-01	<4.03E-01	<2.02E-04
Interface	Med	211	P	<1.39E-05	<1.52E-05	<1.17E-05	<1.60E-05	<1.39E-05					
Interface	Low	76	P	<1.34E-05	<1.21E-05	<8.10E-05	<1.55E-05	<5.59E-05	554,198	51,487	<2.88E+00	<3.33E+00	<1.67E-03
Non-Reaction Area	High	232		<2.60E-05	<1.38E-05	0.00022	0.00121	<4.69E-05	1,422,799	132,182	<6.20E+00	<7.18E+00	<3.59E-03
Non-Reaction Area	Med	131		<1.29E-05	<1.37E-05	<1.28E-05	<1.43E-05	<1.34E-05	1,836,684	170,634	<2.50E+00	<2.90E+00	<1.45E-03
Non-Reaction Area	Med	86		<1.51E-05	<1.41E-05	<1.75E-05	<1.28E-05	<1.59E-05					
Non-Reaction Area	Low	133		<1.41E-05	<1.32E-05	<1.47E-05	<1.75E-05	<1.48E-05	3,704,751	344,183	<5.10E+00	<5.92E+00	<2.96E-03
Non SEM Area								<2.65E-05	646,053	60,020	<1.59E+00	<1.84E+00	<9.22E-04
Total									12,905,294	1,198,941	<3.18E+01	<3.68E+01	<1.84E-02
													(TPY)
										Exceedance Area		<1.36E-03	
										Reaction Area		<4.93E-03	
										Membrane		<1.21E-03	
										Interface		<2.00E-03	
										Non-Reaction Area		<8.00E-03	
										Average Flux (mg/m2-min)		<2.65E-05	
										Reaction Area Flux (mg/m2-m)		<3.33E-05	
										Non-Reaction Area Flux (mg/m2-m)		<2.13E-05	
										Membrane Flux (mg/m2-min)		<1.31E-05	
										Interface Flux (mg/m2-min)		<3.87E-05	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)				Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.59E-05	<1.63E-05	<2.21E-05	<1.42E-05	<2.29E-05	1,103,258	102,496	<2.35E+00	<2.72E+00	<1.36E-03
Reaction Area	High	75		<1.23E-05	<1.36E-05	<1.79E-05	<4.30E-05	<1.39E-05	720,877	66,972	<9.29E-01	<1.08E+00	<5.38E-04
Reaction Area	Med	204	M	<1.26E-05	<1.94E-05	<1.26E-05	<1.28E-05	<1.41E-05	1,320,197	122,650	<2.01E+00	<2.33E+00	<1.17E-03
Reaction Area	Med	158		<1.96E-05	<1.68E-05	<1.20E-05	<2.49E-05	<1.87E-05					
Reaction Area	Low	76		<1.34E-05	<1.21E-05	<8.10E-05	<1.55E-05	<5.59E-05	2,150,675	199,804	<1.12E+01	<1.29E+01	<6.47E-03
Non-Reaction Area	High	232		<2.60E-05	<1.38E-05	0.0002	0.0012	<4.69E-05	1,422,799	132,182	<6.20E+00	<7.18E+00	<3.59E-03
Non-Reaction Area	Med	131		<1.29E-05	<1.37E-05	<1.28E-05	<1.43E-05	<1.34E-05	1,836,684	170,634	<2.50E+00	<2.90E+00	<1.45E-03
Non-Reaction Area	Med	86		<1.51E-05	<1.41E-05	<1.75E-05	<1.28E-05	<1.59E-05					
Non-Reaction Area	Low	133		<1.41E-05	<1.32E-05	<1.47E-05	<1.75E-05	<1.48E-05	3,704,751	344,183	<5.10E+00	<5.92E+00	<2.96E-03
Non SEM Area								<2.66E-05	646,053	60,020	5,576	<1.85E+00	<9.24E-04
							Total		12,905,294	1,198,941	<3.02E+01	<3.51E+01	<1.84E-02
										Exceedance Area			<1.36E-03
										Reaction Area			<8.17E-03
										Non-Reaction Area			<8.00E-03
										Average Flux (mg/m2-min)			<2.66E-05
										Membrane Flux (mg/m2-min)			<1.38E-05

75-15-0

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.54E-05	<2.86E-05	<3.88E-05	<2.50E-05	<4.02E-05	1,103,258	102,496	<4.12E+00	<4.77E+00	<2.39E-03
Reaction Area	High	75		<2.16E-05	<2.38E-05	<3.14E-05	<7.54E-05	<2.43E-05	720,877	66,972	<1.63E+00	<1.89E+00	<9.45E-04
Reaction Area	Med	204	M	<2.20E-05	<3.40E-05	<2.22E-05	<2.25E-05	<2.47E-05	1,320,197	122,650	<3.53E+00	<4.09E+00	<2.04E-03
Reaction Area	Med	158		<3.43E-05	<2.94E-05	<2.11E-05	<4.37E-05	<3.29E-05					
Reaction Area	Low	76		<2.35E-05	<2.12E-05	<1.42E-04	<2.71E-05	<9.80E-05	2,150,675	199,804	<1.96E+01	<2.27E+01	<1.13E-02
Non-Reaction Area	High	232		<4.56E-05	<2.42E-05	<4.19E-05	<5.26E-05	<4.12E-05	1,422,799	132,182	<5.45E+00	<6.32E+00	<3.16E-03
Non-Reaction Area	Med	131		<2.27E-05	<2.41E-05	<2.24E-05	<2.51E-05	<2.36E-05	1,836,684	170,634	<4.39E+00	<5.08E+00	<2.54E-03
Non-Reaction Area	Med	86		<2.64E-05	<2.47E-05	<3.07E-05	<2.25E-05	<2.78E-05					
Non-Reaction Area	Low	133		<2.47E-05	<2.31E-05	0.0002	<3.08E-05	<5.21E-05	3,704,751	344,183	<1.79E+01	<2.08E+01	<1.04E-02
Non SEM Area							<4.97E-05		646,053	60,020	5,576	<3.46E+00	<1.73E-03
							Total		12,905,294	1,198,941	<5.66E+01	<6.56E+01	<3.45E-02
										Exceedance Area			<2.39E-03
										Reaction Area			<1.43E-02
										Non-Reaction Area			<1.61E-02
										Average Flux (mg/m2-min)			<4.97E-05
										Membrane Flux (mg/m2-min)			<2.43E-05

Tetrachloroethene (PCE)

127-18-4

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	<2.40E-05	<1.51E-05	<2.05E-05	<1.32E-05	<2.12E-05	1,103,258	102,496	<2.17E+00	<2.52E+00	<1.26E-03	
Reaction Area	High	213	0.00045	<1.09E-05	<1.18E-05	<1.35E-05	<1.80E-04	241,924	22,475	<4.04E+00	<4.68E+00	<2.34E-03	
Reaction Area	Med	197	<2.07E-05	<4.42E-05	<1.58E-05	<1.65E-05	<2.46E-05	371,049	34,472	<6.33E-01	<7.33E-01	<3.67E-04	
Reaction Area	Med	195	<1.11E-05	<1.38E-05	<1.60E-05	<7.78E-05	<1.21E-05						
Reaction Area	Low	149	<1.18E-05	<1.47E-05	<1.08E-05	<1.26E-05	<1.26E-05	908,877	84,437	<1.06E+00	<1.23E+00	<6.16E-04	
Membrane	High	204 M	<1.16E-05	<1.79E-05	<1.17E-05	<1.19E-05	<1.30E-05	623,066	57,885	<7.55E-01	<8.75E-01	<4.37E-04	
Membrane	Low	183 M	<1.12E-05	<1.25E-05	<1.17E-05	<1.08E-05	<1.16E-05	1,086,870	100,974	<1.17E+00	<1.36E+00	<6.81E-04	
Interface	High	75	<1.14E-05	<1.26E-05	<1.66E-05	<3.98E-05	<1.29E-05	176,235	16,373	<2.11E-01	<2.44E-01	<1.22E-04	
Interface	Med	158	<1.81E-05	<1.56E-05	<1.11E-05	<2.31E-05	<1.74E-05	229,530	21,324	<3.22E-01	<3.73E-01	<1.87E-04	
Interface	Med	211 P	<1.29E-05	<1.41E-05	<1.08E-05	<1.48E-05	<1.29E-05						
Interface	Low	76 P	<1.24E-05	<1.12E-05	<7.50E-05	<1.43E-05	<5.18E-05	554,198	51,487	<2.66E+00	<3.09E+00	<1.54E-03	
Non-Reaction Area	High	232	<2.41E-05	<1.28E-05	<2.21E-05	<2.78E-05	<2.18E-05	1,422,799	132,182	<2.88E+00	<3.34E+00	<1.67E-03	
Non-Reaction Area	Med	131	<1.20E-05	<1.27E-05	<1.18E-05	<1.32E-05	<1.25E-05	1,836,684	170,634	<2.32E+00	<2.68E+00	<1.34E-03	
Non-Reaction Area	Med	86	<1.40E-05	<1.30E-05	<1.62E-05	<1.19E-05	<1.47E-05						
Non-Reaction Area	Low	133	<1.30E-05	<1.22E-05	<1.36E-05	0.00011	<2.90E-05	3,704,751	344,183	<9.97E+00	<1.16E+01	<5.78E-03	
Non SEM Area							<2.48E-05	646,053	60,020	<1.49E+00	<1.72E+00	<8.61E-04	
Total								12,905,294	1,198,941	<2.97E+01	<3.44E+01	<1.72E-02	
												(TPY)	
												Exceedance Area	<1.26E-03
												Reaction Area	<3.32E-03
												Membrane	<1.12E-03
												Interface	<1.85E-03
												Non-Reaction Area	<8.79E-03
												Average Flux (mg/m2-min)	<2.48E-05
												Reaction Area Flux (mg/m2-m)	<2.65E-05
												Non-Reaction Area Flux (mg/m2-m)	<2.34E-05
												Membrane Flux (mg/m2-min)	<1.21E-05
												Interface Flux (mg/m2-min)	<3.59E-05

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87		<2.40E-05	<1.51E-05	<2.05E-05	<1.32E-05	<2.12E-05	1,103,258	102,496	<2.17E+00	<2.52E+00	<1.26E-03	
Reaction Area	High	75		<1.14E-05	<1.26E-05	<1.66E-05	<3.98E-05	<1.29E-05	720,877	66,972	<8.61E-01	<9.98E-01	<4.99E-04	
Reaction Area	Med	204	M	<1.16E-05	<1.79E-05	<1.17E-05	<1.19E-05	<1.30E-05	1,320,197	122,650	<1.86E+00	<2.16E+00	<1.08E-03	
Reaction Area	Med	158		<1.81E-05	<1.56E-05	<1.11E-05	<2.31E-05	<1.74E-05						
Reaction Area	Low	76		<1.24E-05	<1.12E-05	<7.50E-05	<1.43E-05	<5.18E-05	2,150,675	199,804	<1.03E+01	<1.20E+01	<5.99E-03	
Non-Reaction Area	High	232		<2.41E-05	<1.28E-05	<2.21E-05	<2.78E-05	<2.18E-05	1,422,799	132,182	<2.88E+00	<3.34E+00	<1.67E-03	
Non-Reaction Area	Med	131		<1.20E-05	<1.27E-05	<1.18E-05	<1.32E-05	<1.25E-05	1,836,684	170,634	<2.32E+00	<2.68E+00	<1.34E-03	
Non-Reaction Area	Med	86		<1.40E-05	<1.30E-05	<1.62E-05	<1.19E-05	<1.47E-05						
Non-Reaction Area	Low	133		<1.30E-05	<1.22E-05	<1.36E-05	0.0001	<2.90E-05	3,704,751	344,183	<9.97E+00	<1.16E+01	<5.78E-03	
Non SEM Area								<2.67E-05	646,053	60,020	5,576	<1.86E+00	<9.29E-04	
Total								12,905,294	1,198,941	<3.04E+01	<3.52E+01	<1.85E-02		
												Exceedance Area	<1.26E-03	
												Reaction Area	<7.57E-03	
												Non-Reaction Area	<8.79E-03	
												Average Flux (mg/m2-min)		<2.67E-05
												Membrane Flux (mg/m2-min)		<1.28E-05

67-63-0

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<7.29E-05	<4.58E-05	<6.22E-05	<4.01E-05	<6.44E-05	1,103,258	102,496	<6.60E+00	<7.65E+00	<3.83E-03
Reaction Area	High	213		<6.00E-05	<3.32E-05	<3.59E-05	<4.11E-05	<4.37E-05	241,924	22,475	<9.82E-01	<1.14E+00	<5.69E-04
Reaction Area	Med	197		<6.29E-05	<1.34E-04	<4.78E-05	<5.01E-05	<7.47E-05	371,049	34,472	<1.92E+00	<2.23E+00	<1.11E-03
Reaction Area	Med	195		<3.38E-05	<4.19E-05	<4.87E-05	<2.25E-04	<3.68E-05					
Reaction Area	Low	149		<3.57E-05	<4.46E-05	<3.28E-05	<3.82E-05	<3.82E-05	908,877	84,437	<3.23E+00	<3.74E+00	<1.87E-03
Membrane	High	204	M	<3.53E-05	<5.45E-05	<3.55E-05	<3.60E-05	<3.96E-05	623,066	57,885	<2.29E+00	<2.66E+00	<1.33E-03
Membrane	Low	183	M	<3.41E-05	<3.80E-05	<3.55E-05	<3.28E-05	<3.53E-05	1,086,870	100,974	<3.57E+00	<4.13E+00	<2.07E-03
Interface	High	75		<3.46E-05	<3.81E-05	<5.03E-05	<1.21E-04	<3.90E-05	176,235	16,373	<6.39E-01	<7.41E-01	<3.70E-04
Interface	Med	158		<5.50E-05	<4.72E-05	<3.38E-05	<7.01E-05	<5.27E-05	229,530	21,324	<9.79E-01	<1.13E+00	<5.67E-04
Interface	Med	211	P	<3.91E-05	<4.29E-05	<3.29E-05	<4.50E-05	<3.91E-05					
Interface	Low	76	P	<3.77E-05	<3.40E-05	<2.28E-04	<4.35E-05	<1.57E-04	554,198	51,487	<8.09E+00	<9.37E+00	<4.69E-03
Non-Reaction Area	High	232		<7.31E-05	<3.87E-05	<6.72E-05	<8.44E-05	<6.61E-05	1,422,799	132,182	<8.74E+00	<1.01E+01	<5.06E-03
Non-Reaction Area	Med	131		<3.64E-05	<3.86E-05	<3.59E-05	<4.02E-05	<3.78E-05	1,836,684	170,634	<7.03E+00	<8.15E+00	<4.07E-03
Non-Reaction Area	Med	86		<4.24E-05	<3.95E-05	<4.93E-05	<3.61E-05	<4.46E-05					
Non-Reaction Area	Low	133		<3.95E-05	<3.71E-05	<4.14E-05	<4.93E-05	<4.17E-05	3,704,751	344,183	<1.44E+01	<1.66E+01	<8.32E-03
Non SEM Area								<5.13E-05	646,053	60,020	<3.08E+00	<3.57E+00	<1.78E-03
Total									12,905,294	1,198,941	<6.15E+01	<7.13E+01	<3.56E-02
(TPY)													
										Exceedance Area		<3.83E-03	
										Reaction Area		<3.55E-03	
										Membrane		<3.39E-03	
										Interface		<5.62E-03	
										Non-Reaction Area		<1.75E-02	
										Average Flux (mg/m2-min)		<5.13E-05	
										Reaction Area Flux (mg/m2-m)		<5.75E-05	
										Non-Reaction Area Flux (mg/m2-m)		<4.66E-05	
										Membrane Flux (mg/m2-min)		<3.69E-05	
										Interface Flux (mg/m2-min)		<1.09E-04	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<7.29E-05	<4.58E-05	<6.22E-05	<4.01E-05	<6.44E-05	1,103,258	102,496	<6.60E+00	<7.65E+00	<3.83E-03
Reaction Area	High	75		<3.46E-05	<3.81E-05	<5.03E-05	<1.21E-04	<3.90E-05	720,877	66,972	<2.61E+00	<3.03E+00	<1.51E-03
Reaction Area	Med	204	M	<3.53E-05	<5.45E-05	<3.55E-05	<3.60E-05	<3.96E-05	1,320,197	122,650	<5.66E+00	<6.56E+00	<3.28E-03
Reaction Area	Med	158		<5.50E-05	<4.72E-05	<3.38E-05	<7.01E-05	<5.27E-05					
Reaction Area	Low	76		<3.77E-05	<3.40E-05	<2.28E-04	<4.35E-05	<1.57E-04	2,150,675	199,804	<3.14E+01	<3.64E+01	<1.82E-02
Non-Reaction Area	High	232		<7.31E-05	<3.87E-05	<6.72E-05	<8.44E-05	<6.61E-05	1,422,799	132,182	<8.74E+00	<1.01E+01	<5.06E-03
Non-Reaction Area	Med	131		<3.64E-05	<3.86E-05	<3.59E-05	<4.02E-05	<3.78E-05	1,836,684	170,634	<7.03E+00	<8.15E+00	<4.07E-03
Non-Reaction Area	Med	86		<4.24E-05	<3.95E-05	<4.93E-05	<3.61E-05	<4.46E-05					
Non-Reaction Area	Low	133		<3.95E-05	<3.71E-05	<4.14E-05	<4.93E-05	<4.17E-05	3,704,751	344,183	<1.44E+01	<1.66E+01	<8.32E-03
Non SEM Area								<6.71E-05	646,053	60,020	5,576	<4.67E+00	<2.33E-03
							Total		12,905,294	1,198,941	<7.64E+01	<8.85E+01	<4.66E-02
										Exceedance Area			<3.83E-03
										Reaction Area			<2.30E-02
										Non-Reaction Area			<1.75E-02
										Average Flux (mg/m2-min)			<6.71E-05
										Membrane Flux (mg/m2-min)			<3.89E-05

115-07-1

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.02E-04	0.00018	<8.67E-05	0.00251	<1.14E-04	1,103,258	102,496	<1.17E+01	<1.35E+01	<6.76E-03
Reaction Area	High	213		0.00026	0.00021	<5.00E-05	0.00014	<2.18E-04	241,924	22,475	<4.90E+00	<5.68E+00	<2.84E-03
Reaction Area	Med	197		0.00033	0.00066	0.00053	<6.99E-05	<4.41E-04	371,049	34,472	<1.13E+01	<1.31E+01	<6.57E-03
Reaction Area	Med	195		0.00022	0.00020	0.00020	0.00032	0.00022					
Reaction Area	Low	149		0.00021	0.00015	0.00014	<5.33E-05	<1.83E-04	908,877	84,437	<1.54E+01	<1.79E+01	<8.94E-03
Membrane	High	204	M	0.00021	<7.59E-05	0.00021	<5.02E-05	<1.83E-04	623,066	57,885	<1.06E+01	<1.23E+01	<6.13E-03
Membrane	Low	183	M	0.00016	0.00013	0.00019	<4.57E-05	<1.34E-04	1,086,870	100,974	<1.35E+01	<1.57E+01	<7.85E-03
Interface	High	75		0.00019	0.00015	0.00021	<1.69E-04	<1.89E-04	176,235	16,373	<3.10E+00	<3.59E+00	<1.80E-03
Interface	Med	158		0.00029	0.00020	<4.72E-05	<9.77E-05	<2.59E-04	229,530	21,324	<3.45E+00	<4.00E+00	<2.00E-03
Interface	Med	211	P	<5.45E-05	0.00012	<4.58E-05	0.00015	<6.48E-05					
Interface	Low	76	P	0.00014	0.00025	<3.17E-04	0.00100	<2.69E-04	554,198	51,487	<1.38E+01	<1.60E+01	<8.02E-03
Non-Reaction Area	High	232		0.00021	0.00011	0.00069	0.00064	0.00025	1,422,799	132,182	33.2	38	0.019
Non-Reaction Area	Med	131		0.00024	0.00024	<5.01E-05	<5.60E-05	<1.46E-04	1,836,684	170,634	<2.60E+01	<3.01E+01	<1.51E-02
Non-Reaction Area	Med	86		<5.91E-05	0.00023	0.00024	0.00010	<1.59E-04					
Non-Reaction Area	Low	133		<5.51E-05	<5.17E-05	0.00024	0.00018	<1.05E-04	3,704,751	344,183	<3.62E+01	<4.20E+01	<2.10E-02
Non SEM Area								<1.61E-04	646,053	60,020	<9.66E+00	<1.12E+01	<5.60E-03
Total									12,905,294	1,198,941	<1.93E+02	<2.24E+02	<1.12E-01
(TPY)													
Exceedance Area											<6.76E-03		
Reaction Area											<1.83E-02		
Membrane											<1.40E-02		
Interface											<1.18E-02		
Non-Reaction Area											<5.53E-02		
Average Flux (mg/m2-min)											<1.61E-04		
Reaction Area Flux (mg/m2-m)											<1.79E-04		
Non-Reaction Area Flux (mg/m2-m)											<1.47E-04		
Membrane Flux (mg/m2-min)											<1.52E-04		
Interface Flux (mg/m2-min)											<2.29E-04		

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)				Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.02E-04	0.0002	<8.67E-05	0.0025	<1.14E-04	1,103,258	102,496	<1.17E+01	<1.35E+01	<6.76E-03
Reaction Area	High	75		0.0002	0.0002	0.0002	<1.69E-04	<1.89E-04	720,877	66,972	<1.27E+01	<1.47E+01	<7.35E-03
Reaction Area	Med	204	M	0.0002	<7.59E-05	0.0002	<5.02E-05	<1.83E-04	1,320,197	122,650	<2.71E+01	<3.14E+01	<1.57E-02
Reaction Area	Med	158		0.0003	0.0002	<4.72E-05	<9.77E-05	<2.59E-04					
Reaction Area	Low	76		0.0001	0.0002	<3.17E-04	0.0010	<2.69E-04	2,150,675	199,804	<5.37E+01	<6.23E+01	<3.11E-02
Non-Reaction Area	High	232		0.0002	0.0001	0.0007	0.0006	0.0003	1,422,799	132,182	33	38	0.02
Non-Reaction Area	Med	131		0.0002	0.0002	<5.01E-05	<5.60E-05	<1.46E-04	1,836,684	170,634	<2.60E+01	<3.01E+01	<1.51E-02
Non-Reaction Area	Med	86		<5.91E-05	0.0002	0.0002	0.0001	<1.59E-04					
Non-Reaction Area	Low	133		<5.51E-05	<5.17E-05	0.0002	0.0002	<1.05E-04	3,704,751	344,183	<3.62E+01	<4.20E+01	<2.10E-02
Non SEM Area								<1.76E-04	646,053	60,020	5,576	<1.22E+01	<6.12E-03
							Total		12,905,294	1,198,941	<2.01E+02	<2.32E+02	<1.22E-01
										Exceedance Area			<6.76E-03
										Reaction Area			<5.42E-02
										Non-Reaction Area			<5.53E-02
										Average Flux (mg/m2-min)			<1.76E-04
										Membrane Flux (mg/m2-min)			<1.60E-04

Exceedance Area	<5.05E-03
Reaction Area	<3.25E-02
Non-Reaction Area	<2.53E-02
Average Flux (mg/m ² -min)	<9.53E-05
Membrane Flux (mg/m ² -min)	<9.71E-05

Benzene TO-14

71-43-2

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.42E-05	<5.93E-05	<8.05E-05	<5.18E-05	<8.33E-05	1,103,258	102,496	<8.54E+00	<9.89E+00	<4.95E-03
Reaction Area	High	213		0.00018	0.00015	0.00010	0.00014	0.00016	241,924	22,475	3.6	4	0.002
Reaction Area	Med	197		0.00028	0.00113	0.00033	0.00016	0.00047	371,049	34,472	<1.10E+01	<1.27E+01	<6.37E-03
Reaction Area	Med	195		0.00014	0.00041	<6.30E-05	0.00025	<1.67E-04					
Reaction Area	Low	149		0.00020	<5.77E-05	0.00010	0.00011	<1.44E-04	908,877	84,437	<1.22E+01	<1.41E+01	<7.05E-03
Membrane	High	204	M	<4.57E-05	0.00020	0.00040	<4.66E-05	<1.06E-04	623,066	57,885	<6.12E+00	<7.09E+00	<3.55E-03
Membrane	Low	183	M	0.00124	<4.91E-05	0.00029	<4.24E-05	<4.63E-04	1,086,870	100,974	<4.68E+01	<5.42E+01	<2.71E-02
Interface	High	75		<4.48E-05	<4.93E-05	0.00030	0.00072	<8.48E-05	176,235	16,373	<1.39E+00	<1.61E+00	<8.05E-04
Interface	Med	158		0.00031	<6.10E-05	<4.38E-05	<9.06E-05	<2.75E-04	229,530	21,324	<3.47E+00	<4.02E+00	<2.01E-03
Interface	Med	211	P	<5.05E-05	<5.55E-05	<4.25E-05	<5.82E-05	<5.05E-05					
Interface	Low	76	P	<4.87E-05	<4.39E-05	0.00092	<5.63E-05	<5.97E-04	554,198	51,487	<3.08E+01	<3.56E+01	<1.78E-02
Non-Reaction Area	High	232		0.00035	<5.01E-05	<8.69E-05	0.00045	<2.61E-04	1,422,799	132,182	<3.45E+01	<3.99E+01	<2.00E-02
Non-Reaction Area	Med	131		0.00020	0.00015	<4.65E-05	0.00014	<1.34E-04	1,836,684	170,634	<3.36E+01	<3.89E+01	<1.94E-02
Non-Reaction Area	Med	86		0.00023	0.00021	0.00033	<4.67E-05	<2.59E-04					
Non-Reaction Area	Low	133		0.00013	0.00011	0.00012	<6.38E-05	<1.14E-04	3,704,751	344,183	<3.92E+01	<4.54E+01	<2.27E-02
Non SEM Area								<2.03E-04	646,053	60,020	<1.22E+01	<1.41E+01	<7.05E-03
Total									12,905,294	1,198,941	<2.43E+02	<2.82E+02	<1.41E-01
(TPY)													
										Exceedance Area		<4.95E-03	
										Reaction Area		<1.55E-02	
										Membrane		<3.06E-02	
										Interface		<2.06E-02	
										Non-Reaction Area		<6.21E-02	
										Average Flux (mg/m2-min)		<2.03E-04	
										Reaction Area Flux (mg/m2-m)		<2.52E-04	
										Non-Reaction Area Flux (mg/m2-m)		<1.66E-04	
										Membrane Flux (mg/m2-min)		<3.33E-04	
										Interface Flux (mg/m2-min)		<3.99E-04	

Legacy Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	<9.42E-05	<5.93E-05	<8.05E-05	<5.18E-05	<8.33E-05	1,103,258	102,496	<8.54E+00	<9.89E+00	<4.95E-03	
Reaction Area	High	75	<4.48E-05	<4.93E-05	0.0003	0.0007	<8.48E-05	720,877	66,972	<5.68E+00	<6.58E+00	<3.29E-03	
Reaction Area	Med	204 M	<4.57E-05	0.0002	0.0004	<4.66E-05	<1.06E-04	1,320,197	122,650	<2.33E+01	<2.71E+01	<1.35E-02	
Reaction Area	Med	158	0.0003	<6.10E-05	<4.38E-05	<9.06E-05	<2.75E-04						
Reaction Area	Low	76	<4.87E-05	<4.39E-05	0.0009	<5.63E-05	<5.97E-04	2,150,675	199,804	<1.19E+02	<1.38E+02	<6.92E-02	
Non-Reaction Area	High	232	0.0003	<5.01E-05	<8.69E-05	0.0005	<2.61E-04	1,422,799	132,182	<3.45E+01	<3.99E+01	<2.00E-02	
Non-Reaction Area	Med	131	0.0002	0.0001	<4.65E-05	0.0001	<1.34E-04	1,836,684	170,634	<3.36E+01	<3.89E+01	<1.94E-02	
Non-Reaction Area	Med	86	0.0002	0.0002	0.0003	<4.67E-05	<2.59E-04						
Non-Reaction Area	Low	133	0.0001	0.0001	0.0001	<6.38E-05	<1.14E-04	3,704,751	344,183	<3.92E+01	<4.54E+01	<2.27E-02	
Non SEM Area							<2.32E-04	646,053	60,020	5,576	<1.61E+01	<8.06E-03	
Total								12,905,294	1,198,941	<2.64E+02	<3.06E+02	<1.61E-01	
												Exceedance Area	<4.95E-03
												Reaction Area	<8.60E-02
												Non-Reaction Area	<6.21E-02
												Average Flux (mg/m2-min)	<2.32E-04
												Membrane Flux (mg/m2-min)	<1.27E-04

95-47-6

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87	<9.61E-05	<6.04E-05	<8.21E-05	0.00013	<8.49E-05	1,103,258	102,496	<8.71E+00	<1.01E+01	<5.04E-03
Reaction Area	High	213	0.00025	<4.37E-05	<4.73E-05	<5.41E-05	<1.23E-04	241,924	22,475	<2.77E+00	<3.21E+00	<1.61E-03
Reaction Area	Med	197	<8.30E-05	0.00413	0.00029	<6.61E-05	<9.79E-04	371,049	34,472	<1.85E+01	<2.14E+01	<1.07E-02
Reaction Area	Med	195	0.00010	<5.53E-05	<6.42E-05	0.00217	<9.18E-05					
Reaction Area	Low	149	<4.71E-05	<5.89E-05	<4.32E-05	<5.04E-05	<5.40E-05	908,877	84,437	<4.26E+00	<4.93E+00	<2.47E-03
Membrane	High	204 M	<4.66E-05	<7.18E-05	<4.68E-05	<4.75E-05	<5.22E-05	623,066	57,885	<3.02E+00	<3.50E+00	<1.75E-03
Membrane	Low	183 M	<4.50E-05	<5.00E-05	<4.69E-05	0.00009	<5.51E-05	1,086,870	100,974	<5.56E+00	<6.45E+00	<3.22E-03
Interface	High	75	<4.57E-05	<5.03E-05	<6.64E-05	0.00036	<5.15E-05	176,235	16,373	<8.43E-01	<9.77E-01	<4.88E-04
Interface	Med	158	0.00028	<6.23E-05	<4.46E-05	<9.24E-05	<2.50E-04	229,530	21,324	<3.22E+00	<3.73E+00	<1.86E-03
Interface	Med	211 P	<5.15E-05	<5.66E-05	<4.34E-05	<5.94E-05	<5.15E-05					
Interface	Low	76 P	<4.97E-05	<4.48E-05	<3.00E-04	<5.74E-05	<2.07E-04	554,198	51,487	<1.07E+01	<1.24E+01	<6.18E-03
Non-Reaction Area	High	232	0.00039	<5.11E-05	<8.86E-05	0.00041	<2.94E-04	1,422,799	132,182	<3.89E+01	<4.50E+01	<2.25E-02
Non-Reaction Area	Med	131	<4.80E-05	<5.10E-05	<4.74E-05	<5.30E-05	<4.98E-05	1,836,684	170,634	<2.09E+01	<2.42E+01	<1.21E-02
Non-Reaction Area	Med	86	<5.59E-05	0.00018	0.00044	<4.76E-05	<1.95E-04					
Non-Reaction Area	Low	133	<5.21E-05	<4.89E-05	<5.46E-05	<6.51E-05	<5.50E-05	3,704,751	344,183	<1.89E+01	<2.19E+01	<1.10E-02
Non SEM Area							<1.20E-04	646,053	60,020	<7.18E+00	<8.32E+00	<4.16E-03
			Total					12,905,294	1,198,941	<1.43E+02	<1.66E+02	<8.31E-02

	(TPY)
Exceedance Area	<5.04E-03
Reaction Area	<1.48E-02
Membrane	<4.97E-03
Interface	<8.53E-03
Non-Reaction Area	<4.56E-02
Average Flux (mg/m2-min)	<1.20E-04
Reaction Area Flux (mg/m2-m)	<1.17E-04
Non-Reaction Area Flux (mg/m2-m)	<1.22E-04
Membrane Flux (mg/m2-min)	<5.41E-05
Interface Flux (mg/m2-min)	<1.65E-04

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.61E-05	<6.04E-05	<8.21E-05	0.0001	<8.49E-05	1,103,258	102,496	<8.71E+00	<1.01E+01	<5.04E-03
Reaction Area	High	75		<4.57E-05	<5.03E-05	<6.64E-05	0.0004	<5.15E-05	720,877	66,972	<3.45E+00	<3.99E+00	<2.00E-03
Reaction Area	Med	204	M	<4.66E-05	<7.18E-05	<4.68E-05	<4.75E-05	<5.22E-05	1,320,197	122,650	<1.85E+01	<2.15E+01	<1.07E-02
Reaction Area	Med	158		0.0003	<6.23E-05	<4.46E-05	<9.24E-05	<2.50E-04					
Reaction Area	Low	76		<4.97E-05	<4.48E-05	<3.00E-04	<5.74E-05	<2.07E-04	2,150,675	199,804	<4.14E+01	<4.80E+01	<2.40E-02
Non-Reaction Area	High	232		0.0004	<5.11E-05	<8.86E-05	0.0004	<2.94E-04	1,422,799	132,182	<3.89E+01	<4.50E+01	<2.25E-02
Non-Reaction Area	Med	131		<4.80E-05	<5.10E-05	<4.74E-05	<5.30E-05	<4.98E-05	1,836,684	170,634	<2.09E+01	<2.42E+01	<1.21E-02
Non-Reaction Area	Med	86		<5.59E-05	0.0002	0.0004	<4.76E-05	<1.95E-04					
Non-Reaction Area	Low	133		<5.21E-05	<4.89E-05	<5.46E-05	<6.51E-05	<5.50E-05	3,704,751	344,183	<1.89E+01	<2.19E+01	<1.10E-02
Non SEM Area								<1.32E-04	646,053	60,020	5,576	<9.21E+00	<4.60E-03
Total									12,905,294	1,198,941	<1.51E+02	<1.75E+02	<9.20E-02

Exceedance Area	<5.04E-03
Reaction Area	<3.67E-02
Non-Reaction Area	<4.56E-02
Average Flux (mg/m2-min)	<1.32E-04
Membrane Flux (mg/m2-min)	<5.13E-05

108-88-3

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.52E-05	<5.99E-05	<8.13E-05	0.00040	<8.42E-05	1,103,258	102,496	<8.63E+00	<1.00E+01	<5.00E-03
Reaction Area	High	213		<7.84E-05	0.00021	<4.69E-05	<5.37E-05	<1.47E-04	241,924	22,475	<3.29E+00	<3.82E+00	<1.91E-03
Reaction Area	Med	197		0.00065	<1.75E-04	0.00022	<6.55E-05	<4.62E-04	371,049	34,472	<8.78E+00	<1.02E+01	<5.09E-03
Reaction Area	Med	195		<4.42E-05	<5.48E-05	<6.37E-05	0.00079	<4.81E-05					
Reaction Area	Low	149		<4.67E-05	<5.84E-05	<4.28E-05	<5.00E-05	<5.00E-05	908,877	84,437	<4.22E+00	<4.89E+00	<2.44E-03
Membrane	High	204	M	<4.62E-05	<7.12E-05	0.00016	<4.71E-05	<6.05E-05	623,066	57,885	<3.50E+00	<4.06E+00	<2.03E-03
Membrane	Low	183	M	0.00020	<4.96E-05	<4.64E-05	<4.28E-05	<9.44E-05	1,086,870	100,974	<9.53E+00	<1.10E+01	<5.52E-03
Interface	High	75		<4.53E-05	<4.98E-05	<6.58E-05	0.00040	<5.10E-05	176,235	16,373	<8.35E-01	<9.68E-01	<4.84E-04
Interface	Med	158		<7.19E-05	<6.17E-05	<4.42E-05	<9.16E-05	<6.89E-05	229,530	21,324	<1.28E+00	<1.48E+00	<7.41E-04
Interface	Med	211	P	<5.11E-05	<5.61E-05	<4.30E-05	<5.89E-05	<5.11E-05					
Interface	Low	76	P	<4.92E-05	<4.44E-05	<2.98E-04	<5.69E-05	<2.05E-04	554,198	51,487	<1.06E+01	<1.23E+01	<6.13E-03
Non-Reaction Area	High	232		<9.55E-05	<5.06E-05	0.00018	<1.10E-04	<9.81E-05	1,422,799	132,182	<1.30E+01	<1.50E+01	<7.52E-03
Non-Reaction Area	Med	131		<4.76E-05	<5.05E-05	<4.70E-05	<5.25E-05	<4.94E-05	1,836,684	170,634	<9.19E+00	<1.06E+01	<5.32E-03
Non-Reaction Area	Med	86		<5.54E-05	<5.17E-05	<6.44E-05	<4.72E-05	<5.83E-05					
Non-Reaction Area	Low	133		<5.17E-05	<4.85E-05	<5.42E-05	<6.45E-05	<5.45E-05	3,704,751	344,183	<1.88E+01	<2.17E+01	<1.09E-02
Non SEM Area								<8.04E-05	646,053	60,020	<4.83E+00	<5.59E+00	<2.80E-03
Total									12,905,294	1,198,941	<9.64E+01	<1.12E+02	<5.59E-02
													(TPY)
										Exceedance Area		<5.00E-03	
										Reaction Area		<9.44E-03	
										Membrane		<7.55E-03	
										Interface		<7.35E-03	
										Non-Reaction Area		<2.37E-02	
										Average Flux (mg/m2-min)		<8.04E-05	
										Reaction Area Flux (mg/m2-m)		<1.03E-04	
										Non-Reaction Area Flux (mg/m2-m)		<6.33E-05	
										Membrane Flux (mg/m2-min)		<8.20E-05	
										Interface Flux (mg/m2-min)		<1.42E-04	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)				Area Rep		Emissions			
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.52E-05	<5.99E-05	<8.13E-05	0.0004	<8.42E-05	1,103,258	102,496	<8.63E+00	<1.00E+01	<5.00E-03
Reaction Area	High	75		<4.53E-05	<4.98E-05	<6.58E-05	0.0004	<5.10E-05	720,877	66,972	<3.42E+00	<3.96E+00	<1.98E-03
Reaction Area	Med	204	M	<4.62E-05	<7.12E-05	0.0002	<4.71E-05	<6.05E-05	1,320,197	122,650	<7.93E+00	<9.19E+00	<4.60E-03
Reaction Area	Med	158		<7.19E-05	<6.17E-05	<4.42E-05	<9.16E-05	<6.89E-05					
Reaction Area	Low	76		<4.92E-05	<4.44E-05	<2.98E-04	<5.69E-05	<2.05E-04	2,150,675	199,804	<4.10E+01	<4.75E+01	<2.38E-02
Non-Reaction Area	High	232		<9.55E-05	<5.06E-05	0.0002	<1.10E-04	<9.81E-05	1,422,799	132,182	<1.30E+01	<1.50E+01	<7.52E-03
Non-Reaction Area	Med	131		<4.76E-05	<5.05E-05	<4.70E-05	<5.25E-05	<4.94E-05	1,836,684	170,634	<9.19E+00	<1.06E+01	<5.32E-03
Non-Reaction Area	Med	86		<5.54E-05	<5.17E-05	<6.44E-05	<4.72E-05	<5.83E-05					
Non-Reaction Area	Low	133		<5.17E-05	<4.85E-05	<5.42E-05	<6.45E-05	<5.45E-05	3,704,751	344,183	<1.88E+01	<2.17E+01	<1.09E-02
Non SEM Area								<8.95E-05	646,053	60,020	5,576	<6.23E+00	<3.11E-03
							Total		12,905,294	1,198,941	<1.02E+02	<1.18E+02	<6.22E-02
										Exceedance Area			<5.00E-03
										Reaction Area			<3.03E-02
										Non-Reaction Area			<2.37E-02
										Average Flux (mg/m2-min)			<8.95E-05
										Membrane Flux (mg/m2-min)			<6.90E-05

Total Reduced Sulfurs

0

High Resolution Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.08E-04	<1.94E-04	<2.63E-04	<1.70E-04	<2.73E-04	1,103,258	102,496	<2.79E+01	<3.24E+01	<1.62E-02
Reaction Area	High	213		<2.54E-04	<1.40E-04	<1.52E-04	<1.74E-04	<1.85E-04	241,924	22,475	<4.16E+00	<4.82E+00	<2.41E-03
Reaction Area	Med	197		<2.66E-04	<5.67E-04	<2.02E-04	<2.12E-04	<3.16E-04	371,049	34,472	<8.13E+00	<9.42E+00	<4.71E-03
Reaction Area	Med	195		<1.43E-04	<1.77E-04	<2.06E-04	<1.60E-04	<1.56E-04					
Reaction Area	Low	149		<1.51E-04	<1.89E-04	<1.39E-04	<1.62E-04	<1.62E-04	908,877	84,437	<1.37E+01	<1.58E+01	<7.91E-03
Membrane	High	204	M	<1.49E-04	<2.30E-04	<1.50E-04	<1.52E-04	<1.68E-04	623,066	57,885	<9.70E+00	<1.12E+01	<5.62E-03
Membrane	Low	183	M	<1.44E-04	<1.61E-04	<1.50E-04	<1.39E-04	<1.49E-04	1,086,870	100,974	<1.51E+01	<1.75E+01	<8.75E-03
Interface	High	75		<1.47E-04	<1.61E-04	<2.13E-04	<5.12E-04	<1.65E-04	176,235	16,373	<2.70E+00	<3.13E+00	<1.57E-03
Interface	Med	158		<2.33E-04	<2.00E-04	<1.43E-04	<2.97E-04	<2.23E-04	229,530	21,324	<9.04E+00	<1.05E+01	<5.24E-03
Interface	Med	211	P	0.00073	0.00036	0.00028	<1.91E-04	<6.25E-04					
Interface	Low	76	P	<1.59E-04	<1.44E-04	<9.64E-04	<1.84E-04	<6.65E-04	554,198	51,487	<3.42E+01	<3.97E+01	<1.98E-02
Non-Reaction Area	High	232		<3.09E-04	<1.64E-04	<2.84E-04	<3.57E-04	<2.80E-04	1,422,799	132,182	<3.70E+01	<4.29E+01	<2.14E-02
Non-Reaction Area	Med	131		<1.54E-04	<1.64E-04	<1.52E-04	<1.70E-04	<1.60E-04	1,836,684	170,634	<2.98E+01	<3.45E+01	<1.72E-02
Non-Reaction Area	Med	86		<1.79E-04	<1.67E-04	<2.09E-04	<1.53E-04	<1.89E-04					
Non-Reaction Area	Low	133		<1.67E-04	<1.57E-04	<1.75E-04	<2.09E-04	<1.77E-04	3,704,751	344,183	<6.08E+01	<7.04E+01	<3.52E-02
Non SEM Area								<2.21E-04	646,053	60,020	<1.33E+01	<1.54E+01	<7.70E-03
Total								12,905,294	1,198,941	<2.65E+02	<3.08E+02	<1.54E-01	
(TPY)													
											Exceedance Area	<1.62E-02	
											Reaction Area	<1.50E-02	
											Membrane	<1.44E-02	
											Interface	<2.66E-02	
											Non-Reaction Area	<7.39E-02	
											Average Flux (mg/m2-min)	<2.21E-04	
											Reaction Area Flux (mg/m2-m)	<2.53E-04	
											Non-Reaction Area Flux (mg/m2-m)	<1.97E-04	
											Membrane Flux (mg/m2-min)	<1.56E-04	
											Interface Flux (mg/m2-min)	<5.16E-04	

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.08E-04	<1.94E-04	<2.63E-04	<1.70E-04	<2.73E-04	1,103,258	102,496	<2.79E+01	<3.24E+01	<1.62E-02
Reaction Area	High	75		<1.47E-04	<1.61E-04	<2.13E-04	<5.12E-04	<1.65E-04	720,877	66,972	<1.11E+01	<1.28E+01	<6.41E-03
Reaction Area	Med	204	M	<1.49E-04	<2.30E-04	<1.50E-04	<1.52E-04	<1.68E-04	1,320,197	122,650	<2.39E+01	<2.78E+01	<1.39E-02
Reaction Area	Med	158		<2.33E-04	<2.00E-04	<1.43E-04	<2.97E-04	<2.23E-04					
Reaction Area	Low	76		<1.59E-04	<1.44E-04	<9.64E-04	<1.84E-04	<6.65E-04	2,150,675	199,804	<1.33E+02	<1.54E+02	<7.70E-02
Non-Reaction Area	High	232		<3.09E-04	<1.64E-04	<2.84E-04	<3.57E-04	<2.80E-04	1,422,799	132,182	<3.70E+01	<4.29E+01	<2.14E-02
Non-Reaction Area	Med	131		<1.54E-04	<1.64E-04	<1.52E-04	<1.70E-04	<1.60E-04	1,836,684	170,634	<2.98E+01	<3.45E+01	<1.72E-02
Non-Reaction Area	Med	86		<1.79E-04	<1.67E-04	<2.09E-04	<1.53E-04	<1.89E-04					
Non-Reaction Area	Low	133		<1.67E-04	<1.57E-04	<1.75E-04	<2.09E-04	<1.77E-04	3,704,751	344,183	<6.08E+01	<7.04E+01	<3.52E-02
Non SEM Area								<2.84E-04	646,053	60,020	5,576	<1.97E+01	<9.87E-03
Total								12,905,294	1,198,941	<3.23E+02	<3.75E+02	<1.97E-01	

Hydrogen Sulfide

7783-06-4

High Resolution Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	<3.08E-04	<1.94E-04	<2.63E-04	<1.70E-04	<2.73E-04	1,103,258	102,496	<2.79E+01	<3.24E+01	<1.62E-02	
Reaction Area	High	213	<2.54E-04	<1.40E-04	<1.52E-04	<1.74E-04	<1.85E-04	241,924	22,475	<4.16E+00	<4.82E+00	<2.41E-03	
Reaction Area	Med	197	<2.66E-04	<5.67E-04	<2.02E-04	<2.12E-04	<3.16E-04	371,049	34,472	<8.13E+00	<9.42E+00	<4.71E-03	
Reaction Area	Med	195	<1.43E-04	<1.77E-04	<2.06E-04	<1.60E-04	<1.56E-04						
Reaction Area	Low	149	<1.51E-04	<1.89E-04	<1.39E-04	<1.62E-04	<1.62E-04	908,877	84,437	<1.37E+01	<1.58E+01	<7.91E-03	
Membrane	High	204 M	<1.49E-04	<2.30E-04	<1.50E-04	<1.52E-04	<1.68E-04	623,066	57,885	<9.70E+00	<1.12E+01	<5.62E-03	
Membrane	Low	183 M	<1.44E-04	<1.61E-04	<1.50E-04	<1.39E-04	<1.49E-04	1,086,870	100,974	<1.51E+01	<1.75E+01	<8.75E-03	
Interface	High	75	<1.47E-04	<1.61E-04	<2.13E-04	<5.12E-04	<1.65E-04	176,235	16,373	<2.70E+00	<3.13E+00	<1.57E-03	
Interface	Med	158	<2.33E-04	<2.00E-04	<1.43E-04	<2.97E-04	<2.23E-04	229,530	21,324	<8.90E+00	<1.03E+01	<5.16E-03	
Interface	Med	211 P	0.00073	0.00036	<1.39E-04	<1.91E-04	<6.12E-04						
Interface	Low	76 P	<1.59E-04	<1.44E-04	<9.64E-04	<1.84E-04	<6.65E-04	554,198	51,487	<3.42E+01	<3.97E+01	<1.98E-02	
Non-Reaction Area	High	232	<3.09E-04	<1.64E-04	<2.84E-04	<3.57E-04	<2.80E-04	1,422,799	132,182	<3.70E+01	<4.29E+01	<2.14E-02	
Non-Reaction Area	Med	131	<1.54E-04	<1.64E-04	<1.52E-04	<1.70E-04	<1.60E-04	1,836,684	170,634	<2.98E+01	<3.45E+01	<1.72E-02	
Non-Reaction Area	Med	86	<1.79E-04	<1.67E-04	<2.09E-04	<1.53E-04	<1.89E-04						
Non-Reaction Area	Low	133	<1.67E-04	<1.57E-04	<1.75E-04	<2.09E-04	<1.77E-04	3,704,751	344,183	<6.08E+01	<7.04E+01	<3.52E-02	
Non SEM Area							<2.21E-04	646,053	60,020	<1.33E+01	<1.54E+01	<7.69E-03	
Total								12,905,294	1,198,941	<2.65E+02	<3.07E+02	<1.54E-01	
												(TPY)	
												Exceedance Area	<1.62E-02
												Reaction Area	<1.50E-02
												Membrane	<1.44E-02
												Interface	<2.66E-02
												Non-Reaction Area	<7.39E-02
												Average Flux (mg/m2-min)	<2.21E-04
												Reaction Area Flux (mg/m2-m)	<2.53E-04
												Non-Reaction Area Flux (mg/m2-m)	<1.97E-04
												Membrane Flux (mg/m2-min)	<1.56E-04
												Interface Flux (mg/m2-min)	<5.14E-04

Legacy Calculation Approach

Category	Rep		Flux (mg/m2-min)					Area Rep		Emissions			
	Subset	Cell M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)	
Exceedance Area		87	<3.08E-04	<1.94E-04	<2.63E-04	<1.70E-04	<2.73E-04	1,103,258	102,496	<2.79E+01	<3.24E+01	<1.62E-02	
Reaction Area	High	75	<1.47E-04	<1.61E-04	<2.13E-04	<5.12E-04	<1.65E-04	720,877	66,972	<1.11E+01	<1.28E+01	<6.41E-03	
Reaction Area	Med	204 M	<1.49E-04	<2.30E-04	<1.50E-04	<1.52E-04	<1.68E-04	1,320,197	122,650	<2.39E+01	<2.78E+01	<1.39E-02	
Reaction Area	Med	158	<2.33E-04	<2.00E-04	<1.43E-04	<2.97E-04	<2.23E-04						
Reaction Area	Low	76	<1.59E-04	<1.44E-04	<9.64E-04	<1.84E-04	<6.65E-04	2,150,675	199,804	<1.33E+02	<1.54E+02	<7.70E-02	
Non-Reaction Area	High	232	<3.09E-04	<1.64E-04	<2.84E-04	<3.57E-04	<2.80E-04	1,422,799	132,182	<3.70E+01	<4.29E+01	<2.14E-02	
Non-Reaction Area	Med	131	<1.54E-04	<1.64E-04	<1.52E-04	<1.70E-04	<1.60E-04	1,836,684	170,634	<2.98E+01	<3.45E+01	<1.72E-02	
Non-Reaction Area	Med	86	<1.79E-04	<1.67E-04	<2.09E-04	<1.53E-04	<1.89E-04						
Non-Reaction Area	Low	133	<1.67E-04	<1.57E-04	<1.75E-04	<2.09E-04	<1.77E-04	3,704,751	344,183	<6.08E+01	<7.04E+01	<3.52E-02	
Non SEM Area							<2.84E-04	646,053	60,020	5,576	<1.97E+01	<9.87E-03	
Total								12,905,294	1,198,941	<3.23E+02	<3.75E+02	<1.97E-01	
												Exceedance Area	<1.62E-02
												Reaction Area	<9.73E-02
												Non-Reaction Area	<7.39E-02
												Average Flux (mg/m2-min)	<2.84E-04
												Membrane Flux (mg/m2-min)	<1.65E-04

74-93-1

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.35E-04	<2.74E-04	<3.72E-04	<2.39E-04	<3.85E-04	1,103,258	102,496	<3.94E+01	<4.57E+01	<2.29E-02
Reaction Area	High	75		<2.07E-04	<2.28E-04	<3.01E-04	<7.22E-04	<2.33E-04	720,877	66,972	<1.56E+01	<1.81E+01	<9.05E-03
Reaction Area	Med	204	M	<2.11E-04	<3.25E-04	<2.12E-04	<2.15E-04	<2.37E-04	1,320,197	122,650	<3.38E+01	<3.92E+01	<1.96E-02
Reaction Area	Med	158		<3.29E-04	<2.82E-04	<2.02E-04	<4.19E-04	<3.15E-04					
Reaction Area	Low	76		<2.25E-04	<2.03E-04	<1.36E-03	<2.60E-04	<9.39E-04	2,150,675	199,804	<1.88E+02	<2.17E+02	<1.09E-01
Non-Reaction Area	High	232		<4.36E-04	<2.31E-04	<4.02E-04	<5.04E-04	<3.95E-04	1,422,799	132,182	<5.22E+01	<6.05E+01	<3.02E-02
Non-Reaction Area	Med	131		<2.18E-04	<2.31E-04	<2.15E-04	<2.40E-04	<2.26E-04	1,836,684	170,634	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<2.53E-04	<2.36E-04	<2.94E-04	<2.16E-04	<2.67E-04					
Non-Reaction Area	Low	133		<2.36E-04	<2.22E-04	<2.48E-04	<2.95E-04	<2.49E-04	3,704,751	344,183	<8.58E+01	<9.94E+01	<4.97E-02
Non SEM Area								<4.01E-04	646,053	60,020	5,576	<2.79E+01	<1.39E-02
							Total		12,905,294	1,198,941	<4.56E+02	<5.29E+02	<2.78E-01
										Exceedance Area			<2.29E-02
										Reaction Area			<1.37E-01
										Non-Reaction Area			<1.04E-01
										Average Flux (mg/m2-min)			<4.01E-04
										Membrane Flux (mg/m2-min)			<2.33E-04

75-18-3

High Resolution Calculation Approach

Legacy Calculation Approach

Category	Subset	Rep		Flux (mg/m2-min)					Area Rep		Emissions		
		Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.62E-04	<3.54E-04	<4.80E-04	<3.09E-04	<4.97E-04	1,103,258	102,496	<5.09E+01	<5.90E+01	<2.95E-02
Reaction Area	High	75		<2.67E-04	<2.94E-04	<3.88E-04	<9.33E-04	<3.01E-04	720,877	66,972	<2.02E+01	<2.34E+01	<1.17E-02
Reaction Area	Med	204	M	<2.73E-04	<4.20E-04	<2.74E-04	<2.78E-04	<3.05E-04	1,320,197	122,650	<4.37E+01	<5.06E+01	<2.53E-02
Reaction Area	Med	158		<4.24E-04	<3.64E-04	<2.61E-04	<5.41E-04	<4.07E-04					
Reaction Area	Low	76		<2.91E-04	<2.62E-04	<1.76E-03	<3.36E-04	<1.21E-03	2,150,675	199,804	<2.42E+02	<2.81E+02	<1.40E-01
Non-Reaction Area	High	232		<5.64E-04	<2.99E-04	<5.19E-04	<6.51E-04	<5.10E-04	1,422,799	132,182	<6.74E+01	<7.81E+01	<3.91E-02
Non-Reaction Area	Med	131		<2.81E-04	<2.98E-04	<2.77E-04	<3.10E-04	<2.92E-04	1,836,684	170,634	<5.42E+01	<6.29E+01	<3.14E-02
Non-Reaction Area	Med	86		<3.27E-04	<3.05E-04	<3.80E-04	<2.79E-04	<3.44E-04					
Non-Reaction Area	Low	133		<3.05E-04	<2.86E-04	<3.20E-04	<3.81E-04	<3.22E-04	3,704,751	344,183	<1.11E+02	<1.28E+02	<6.42E-02
Non SEM Area								<5.18E-04	646,053	60,020	5,576	<3.60E+01	<1.80E-02
							Total		12,905,294	1,198,941	<5.89E+02	<6.83E+02	<3.60E-01
										Exceedance Area			<2.95E-02
										Reaction Area			<1.77E-01
										Non-Reaction Area			<1.35E-01
										Average Flux (mg/m2-min)			<5.18E-04
										Membrane Flux (mg/m2-min)			<3.00E-04

Adjunto 1

Memorándum Técnico de Validación de Datos

A. Hojas de Datos de las Mediciones de las Emisiones

B. Cadena de Custodia

C. Informes de Laboratorio

D. Datos de las Calibraciones

*CE Schmidt, Ph.D.
Consultor Ambiental*

MEMORÁNDUM TÉCNICO

EVENTO DE PRUEBA No. 5: Evaluación de Emisiones de Aire de la Cámara de Flujo del Vertedero de Chiquita Canyon Ubicado en Castaic, California



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Septiembre de 2025

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Referencias

Adjuntos

- A - Hojas de Datos de las Mediciones de las Emisiones
- B - Cadena de Custodia
- C - Informes de Laboratorio
- D - Registros de Calibración

CE Schmidt, Ph.D.
Consultor Ambiental

RESUMEN EJECUTIVO

Este Memorándum Técnico documenta el quinto evento de prueba de emisiones de aire (julio de 2025). Expertos en estudios de vertederos tomaron mediciones en el campo en instalaciones del Vertedero de Chiquita Canyon (Vertedero) ubicadas en Henry Mayo Drive, Castaic, California en julio de 2025, para medir las emisiones de aire de la superficie del Vertedero. Las pruebas se realizaron utilizando estudios de campo para observar si había metano en la superficie y después del estudio, se realizó una prueba de origen del área en profundidad utilizando la tecnología de cámaras de flujo de aislamiento de emisiones de la superficie de la Agencia de Protección Ambiental de EE.UU. (USEPA), siguiendo el protocolo de Orientación de USEPA (febrero de 1986). Este documento de USEPA proporcionar orientación para construir y operar una tecnología de medición del origen del área aprobada por la agencia. El flujo promedio (en unidades de masa por tiempo por área unitaria) de emisiones de la superficie se calculó por categoría de celda de cuadrícula (es decir, baja, media, alta, la más alta de todas) por tipo de área del vertedero (es decir, área reactiva y área no reactiva, como se definen en la Evaluación de Emisiones de Aire de Superficies de Vertederos [Informe de Emisiones]). Estos datos de los flujos de las celdas de las cuadrículas, multiplicados por la cantidad de celdas de la cuadrícula en estas categorías sumadas, representa las emisiones de aire de compuestos de la superficie del vertedero.

El estudio de metano en la superficie se realizó de forma similar, siguiendo los Estándares de Rendimiento de Fuentes Nuevas (NSPS) de USEPA, Título 40, Código de Regulaciones Federales (CFR) Partes 60.755 (c) y (d) y CFR Parte 60, Apéndice A, Método 21 y cumpliendo con los requerimientos de monitoreo de las emisiones de la superficie (SEM) incluidos en la Regla sobre Metano en Vertederos (LMR) AB 32 de California bajo el Título 17 del Código de Regulaciones de California. El estudio utilizó el mismo sistema de cuadrículas que el utilizado en el monitoreo de emisiones de la superficie de la Regla 1150.1 del Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD), que consiste en celdas nominales de cuadrículas de un acre (aproximadamente 50,000 pies cuadrados). Se utilizó un instrumento analizador de vapores totales (TVA) adaptado con un detector de ionización de llama (FID) junto con grabaciones de las ubicaciones por sistema de posicionamiento global (GPS) para rastrear las emisiones fugitivas en la superficie en cada celda de la cuadrícula.

Como se describe en el Informe de Emisiones, los estudios de metano se realizaron registrando datos a lo largo de un patrón transversal colocado a 25 pies sobre las celdas de la cuadrícula del vertedero. Se tomaron los datos de las concentraciones y la información sobre las ubicaciones que se utilizaron para generar estudios integrados o concentraciones promedio de cada celda de la cuadrícula. Se clasificaron las celdas de las cuadrículas dentro de una categoría de interés y se dividieron en tres grupos: emisiones bajas, emisiones medias y emisiones altas por área de estudio (ej. zona reactiva y zona no reactiva, etc.). Se seleccionaron las celdas de las cuadrículas para realizar las pruebas descritas en el Informe de Emisiones. Se estudiaron las celdas de las cuadrículas seleccionadas punto por punto y se seleccionaron ubicaciones de emisiones bajas, medias, altas y las más altas, para las pruebas de las cámaras de flujo. Las muestras tomadas de la cámara de flujo se enviaron fuera del sitio para que se les realice análisis de laboratorio.

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A continuación se proporciona un resumen del programa de muestreo y los trabajos de prueba.

ORIGEN	CONDICIÓN DE LA SUPERFICIE	MUESTRAS
Celda No. 87 de la Cuadrícula	Suelo	4
Celda No. 75 de la Cuadrícula	Suelo	4
Celda No. 76 de la Cuadrícula	Membrana Sintética/Suelo	4
Celda No. 211 de la Cuadrícula	Membrana Sintética/Suelo	4
Celda No. 204 de la Cuadrícula	Membrana Sintética	4
Celda No. 183 de la Cuadrícula	Membrana Sintética	4
Celda No. 213 de la Cuadrícula	Suelo	4
Celda No. 197 de la Cuadrícula	Suelo	4
Celda No. 195 de la Cuadrícula	Suelo	4
Celda No. 158 de la Cuadrícula	Suelo	4
Celda No. 149 de la Cuadrícula	Suelo	4
Celda No. 131 de la Cuadrícula	Suelo	4
Celda No. 133 de la Cuadrícula	Suelo	4
Celda No. 86 de la Cuadrícula	Suelo	4
Celda No. 232 de la Cuadrícula	Suelo	4
Blanco	NA	6
Réplica	NA	6
TOTAL		72

Las muestras tomadas de la cámara de flujo para cada ubicación se usaron para calcular las emisiones de aire. Los datos sobre las concentraciones de las muestras (masa por tiempo) como fueron recibidos de los laboratorios, fueron revisados, se les realizaron chequeos de datos de control de calidad (QC) y se elaboraron tablas para conocer los compuestos de hidrocarburos no metanos (TNMHC, C1), los contaminantes peligrosos para el aire (HAPs), los compuestos que contenían azufre, los gases fijos (CO₂, hidrógeno, CH₄) y el helio de especies de vestigios de gas 1,1- difluoroetanoe (1,1-DFA, determinación del flujo advectivo). Este Memorándum Técnico informa los datos de los flujos para estos compuestos de estudio junto con la evaluación de Control de Calidad. Los cálculos de las emisiones de compuestos en estudio se indican en el Informe de las Emisiones.

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I. INTRODUCCIÓN

Este memorándum técnico describe las pruebas de campo que se realizaron para caracterizar la superficie o las emisiones fugitivas en el aire. El sitio del Vertedero se encuentra en Castaic, California. Como se trató en mayor detalle en el Informe de las Emisiones, las pruebas las realizaron el 14-23 de julio de 2024 el Dr. C.E. Schmidt, el Sr. Tom Card, el Sr. Josh Abbey y el Sr. Rich Wharton, con el apoyo del subcontratista SCS Engineers, que realizó el estudio de la superficie del vertedero para observar si había metano, antes de las fechas de las pruebas y durante el programa de pruebas. La preparación de las pruebas incluyó la presentación de un Protocolo de Toma de Muestras (SP) que fue aprobado por SCS Engineers y por representantes del Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD). No hubo presentes representantes del SCAQMD durante el evento de prueba.

El objetivo del estudio general de la cámara de flujo fue medir las emisiones de aire fugitivo desde las celdas de las cuadrículas que representaban zonas del Vertedero afectadas por la reacción de la subsuperficie (zonas reactivas) y desde zonas no afectadas por la reacción (zonas no reactivas), como se definen en el Informe de las Emisiones. El estudio se realizó seleccionando ubicaciones de prueba representativas y conduciendo un análisis cuantitativo de las emisiones de aire, produciendo datos representativos de las emisiones en el aire.

Este memorándum incluye un análisis de la metodología de prueba, los procedimientos de control de calidad y los resultados. Este memorándum informa únicamente datos de flujo por compuesto de estudio y ubicación.

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II. METODOLOGÍA DE PRUEBA

Esta sección describe las metodologías utilizadas en el estudio para las pruebas de la cámara de flujo, que incluyen el depósito evacuado y la toma de muestras en bolsas Tedlar®. El estudio se realizó de forma similar al protocolo de estudio del vertedero NSPS con otros criterios derivados del LMR de California. Las pruebas del flujo de la superficie se realizaron utilizando la Cámara de Flujo de Aislamiento de la Superficie recomendada por USEPA (USEPA, Radian Corporation, febrero de 1986). Las tomas de muestras de la cámara de flujos se realizaron en cuadrículas preseleccionadas del vertedero, como se describe en el Informe de las Emisiones y como lo indica el SP.

Toma de Muestras de la Cámara de Flujo

Como se describe en la Guía del Usuario de USEPA (febrero de 1986), la cámara de flujo es una cámara ambiental o portátil también conocida como reactor de tanque combinado, que se utiliza para medir el "flujo" (transferencia masiva de compuestos en estudio según el área de la superficie del área de origen por tiempo). Se regula el aire de ultra alta pureza (aire de barrida) de un cilindro de aire comprimido que se agrega a la cámara de flujo a un índice de 5 litros por minuto (lpm) hasta que el contenido de la cámara queda bien mezclado. La cámara es una cámara "ventilada" que libera o extrae el gas de la cámara a través del puerto de ecualización de presión que se encuentra en la parte de arriba de la cámara y sale hacia la atmósfera, manteniendo el contenido de la cámara a presión atmosférica durante la medición. El mezclado de la cámara se describe por una cantidad de "tiempos de residencia". Un tiempo de residencia en una cámara se determina dividiendo el volumen de la cámara por el índice de flujo del aire de barrida. Siguiendo la Guía del Usuario y con un volumen de 30 litros en la cámara, el tiempo de residencia es de 6 minutos. El mezclado correcto en la cámara se logra después de cinco tiempos de residencia o 30 minutos. Después de mezclar, o después de que se equilibre el contenido de la cámara (aire de barrida más compuestos emitidos en la cámara), se toman muestras de gases siguiendo los métodos reglamentarios aprobados descritos en el SP. Conociendo el índice de flujo del aire de barrida (5 lpm) y el flujo adictivo del origen, el área de la cámara de flujo en el sitio de prueba (0.13 metros cuadrados) y la concentración de los compuestos en estudio, puede calcularse el flujo de compuestos en estudio (unidades de miligramos por metro cuadrado por minuto, mg/m²,min). Este Memorándum Técnico informa los datos del flujo medidos directamente para los compuestos en estudio que se utilizan en el Informe de las Emisiones.

El funcionamiento básico de la cámara de flujo involucró lo siguiente:

1. Identificar el área de prueba o la superficie de prueba
2. Iniciar el índice de flujo de gases de barrida hacia la cámara de flujo
3. Operar la cámara por lo menos en cinco tiempos de residencia (30 minutos)
4. Tomar gas de muestra de la cámara para su análisis
5. Descontaminar la cámara
6. Reubicar los equipos de medición a la siguiente zona de prueba

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El protocolo operativo específico para la toma de muestras de la cámara de flujo fue el siguiente:

1. Colocar la cámara de flujo, el gas de barrida, los equipos de toma de muestras y los documentos del campo en el lugar en el que se realiza la prueba.
2. Documentar la información del sitio, la información de la ubicación, la información de los equipos, el nombre de quien toma las muestras, la fecha y la hora en las Hojas de Datos de Mediciones de Emisiones. (Las hojas de datos se proporcionan en el Adjunto A).
3. Colocar la cámara aproximadamente 1/4 pulgada en la superficie de prueba en las ubicaciones de las pruebas seleccionadas, como se describe en el Informe de las Emisiones. Sellar la cámara a lo largo de la base para evitar la filtración de aire - sellando la cubierta de membrana con tierra de relleno nueva, formando una barrera para el flujo de aire. Colocar termocuplas para monitorear la temperatura del suelo y del aire dentro y fuera de la cámara.
4. Iniciar el índice de flujo del gas de barrida y establecer el rotámetro en 5.0 lpm. Mantener un índice de flujo de gas de barrida constante. Registrar el tiempo.
5. Tomar datos de antecedentes de los instrumentos (termocupla) y otros parámetros (consultar las Hojas de Datos de Medición de Emisiones) y registrar los datos.
6. Conectar la bomba de purga a la cámara. Purgar la línea de toma de muestras desde la cámara de flujo sin exceder el índice de purga de la línea (o el índice de toma de gas de muestra) de 2.5 lpm; esto evita el arrastre de aire del ambiente a la cámara.
7. Operar el índice de flujo de aire de la cámara a 5.0 lpm y registrar los datos por cada tiempo de residencia (6 minutos) por cinco tiempos de residencia o 30 minutos. Registrar el índice de flujo y los datos del tiempo. Mantener la cámara en estado estable. Purgar la línea de toma de muestras y las bolsas Tedlar desde la cámara de flujo, por lo menos con 10 volúmenes de líneas de aire como parte del protocolo de toma de muestras en bolsas de olor, utilizando el dispositivo de pulmón de descompresión, preparando la línea de toma de muestras para equilibrar la recolección de medios de muestra.
8. Conectar los medios de muestra secuencialmente (bolsa de azufre y depósito evacuado) a la línea purgada de toma de muestras y tomar la muestra de gas. No exceder un índice de recolección de 2.5 lpm en ningún momento para evitar una dilución no deseada del gas de escape de la cámara por el aire ambiental. Tanto las bolsas de olor como de azufre se purgan antes de la toma de muestras; el depósito evacuado no se purga.
9. Etiquetar la bolsa de muestras y registrar la toma de muestras en la hoja de datos.
10. Guardar las muestras en el contenedor de almacenamiento y/o de envío apropiado como se especifica en el SP.
11. Documentar la toma de muestras en hojas de datos del campo (consultar el Adjunto A).
12. Discontinuar la medición de flujo, cortar el aire de barrida, retirar la cámara y sujetar los equipos.

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13. Descontaminar la cámara donde tomó contacto con el material líquido o sólido utilizando una toalla de papel limpia y agua (si es necesaria) para remover cualquier suciedad y condensación desde adentro de la cámara.
14. Reubicar los equipos en el siguiente lugar de prueba y repetir los pasos 1 a 13.

Toma de Muestras en Bolsas Tedlar®

Las muestras tomadas utilizando bolsas Tedlar® se recogieron de la línea de toma de muestras desde la cámara de flujo en condiciones equilibradas (cinco tiempos de residencia) para analizar el olor olfativo y las especies que contenían azufre. El índice de toma de muestras se mantuvo en menos de 2.5 lpm desde la cámara de flujo. Las muestras de las bolsas se tomaron conectando la línea de toma de muestras desde la cámara de flujo, utilizando adaptaciones Swage-lock® de 1/4 de pulgada dentro del pulmón de descompresión o de los adaptadores de presión, extrayendo el vacío del pulmón de descompresión y llenando la bolsa Tedlar®. Las bolsas de azufre (a, b) se purgaron y evacuaron antes de tomar las muestras, para minimizar la interacción con las bolsas de toma de muestras. Se debe tener en cuenta que se tomaron dos bolsas Tedlar para analizar especies de azufre, en cumplimiento con el método.

Toma de Muestras del Depósito

Las muestras con depósitos pulidos Summa®, de acero inoxidable, evacuados, se tomaron desde la línea de escape de la cámara de flujo en condiciones equilibradas para especiar la cromatografía de gases. El índice de toma de muestras se mantuvo en menos de 2.5 lpm desde la cámara de flujo. Las muestras de los depósitos se tomaron conectando el depósito a la línea de toma de muestras desde la cámara de flujo, utilizando adaptadores Swage-lock® de 1/4 de pulgada, extrayendo un vacío desde el depósito y llenando el depósito. Todos los depósitos fueron certificados por lotes por el laboratorio, utilizando los Métodos de USEPA TO- 15/TO-12/gases fijos/gas de vestigio 1,1,1-DFA y se tomaron muestras en su capacidad completa (presión atmosférica).

III. CONTROL DE CALIDAD

Los procedimientos de control que se utilizaron para asegurar los datos de suficiente calidad resultantes del estudio de la cámara de flujo se indican y describen a continuación. Se desarrollaron la aplicación y la frecuencia de estos procedimientos para que cumplan con los objetivos de calidad de los datos del programa, como se describe en el SP para todos los métodos analíticos utilizados en este estudio. Los límites de detección para todos los datos de las muestras se indican en los informes de laboratorio adjuntos.

Documentación del Campo – Se mantuvo un cuaderno del campo que contenía formularios de datos, que incluían formularios de la cadena de custodia (COC) de las muestras, para el programa de las pruebas. El Adjunto A contiene las Hojas de Datos de las Mediciones de las Emisiones.

Cadena de Custodia – Se utilizaron formularios de la COC para la toma de datos del campo. Los datos del campo se registraron en los formularios de la COC proporcionados en el Adjunto B. Los registros de las calibraciones y las certificaciones se encuentran en el

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Adjunto D.

VOC Total como TNMNC por Análisis del Método TO-12 de USEPA, C1

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método. Estos datos se informan en los informes de laboratorio específicos del método (con notas al pie según corresponda, en el informe de laboratorio, mostrando el cumplimiento con los métodos).

Blanco en el Método del Laboratorio – El laboratorio realizó un total de ocho muestras en blanco del método del laboratorio. No se detectaron compuestos TNHMC en las muestras en blanco en el nivel del límite de detección del método (MDL) de unos 30 ug/m³ excepto en una de las ocho muestras en blanco de laboratorio. Esa muestra indicó una detección de 37 J ug/m³. Con esta detección única de valores "J" y siete no detecciones, estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de ocho muestras duplicadas de control del laboratorio (LCD) que incluyeron nueve compuestos. Las muestras de LCD fueron informadas dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio realizó un total de ocho muestras de control del laboratorio (LCD) o muestras de picos en blanco que incluyeron nueve compuestos. Las muestras de LCS fueron informadas dentro de los criterios de una recuperación del 70 al -130 por ciento. Estos datos indican un desempeño aceptable del método.

Blanco del Sistema de Campo – Se prepararon seis muestras de medios en blanco (campo) en el campo (T-114, -214, -314, -410, 510, -610) que fueron analizadas como muestras del campo (muestra ciega para QC). Las seis muestras en blanco del campo indicaron que no había detecciones (MDL 30 ug/m³). Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron seis muestras de campo en duplicado (la segunda muestra se tomó inmediatamente después de la primera muestra para los datos de precisión del método) que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Cuatro de los pares de muestras replicados proporcionaron datos de la precisión en el campo. El rango de RPD para los cuatro pares fue de 0.57 a 36 (criterios de control de calidad de 50 RPD). Un par de muestra/réplica (T-508/-509) estuvo por debajo de la detección de método que no proporcionó datos precisos y el otro par (T-312/-313) tuvo una contaminación obvia y no pudo utilizarse para sacar estimativos precisos. Para los cuatro pares de muestra/réplica con concentraciones detectadas, estos datos demuestran un desempeño aceptable del método.

Análisis de Especies de Hidrocarburos utilizando el Método TO-14 de USEPA

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método.

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Estos datos se informan en los informes de laboratorio específicos del método (con notas al pie según corresponda, en el informe de laboratorio, mostrando el cumplimiento con los métodos).

Blanco en el Método del Laboratorio – El laboratorio realizó un total de ocho muestras en blanco del método del laboratorio. No se detectaron compuestos de hidrocarburos en las muestras en blanco en el nivel del límite de detección del método (MDL) de 1 a 1.2 ug/m³ excepto una muestra que indicó un compuesto detectado, benceno, en 4.2 J ug/m³. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de ocho muestras duplicadas de control del laboratorio (LCD) que incluyeron nueve compuestos. Las muestras de LCD fueron informadas dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio realizó un total de ocho muestras de control del laboratorio (LCD) o muestras de picos en blanco que incluyeron nueve compuestos. Las muestras de LCS fueron informadas dentro de los criterios de una recuperación del 70 al -130 por ciento. Estos datos indican un desempeño aceptable del método.

Blanco del Sistema de Campo – Se prepararon seis muestras de medios en blanco (campo) en el campo (T-114, -214, -314, -410, 510, -610) que fueron analizadas como muestras del campo (muestra ciega para QC). Tres de las seis indicaron que no hay detecciones de compuestos (1.2 a 1.4 ug/m³) y tres blancos del campo indicaron detección de algunos compuestos por debajo de los límites para informar (valores J): T-214 indicó propeno en 3.2 J ug/m³, propano en n-butano en 3.9 J ug/m³ e isopentano en 6.6 J ug/m³; T-510 indicó propeno en 3.3 J ug/m³, propano en 3.5 J ug/m³, n-decano en 3.1 J ug/m³, 1,3-dietil benceno en 3.9 J ug/m³; y T-610 indicó propano en 3.0 J ug/m³. Estos niveles bajos (menos del límite para informar, valores J) no afectan la calidad de los datos del método dado que los niveles de los blancos de laboratorio fueron principalmente sin detecciones. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron seis muestras de campo en duplicado (la segunda muestra se tomó inmediatamente después de la primera muestra para los datos de precisión del método) que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Un par de muestras tuvo una contaminación que imposibilitó tener estimativos precisos (T-312/-313, muestra T-313). Dos pares de réplicas de muestras tuvieron detecciones en uno o ambos compuestos por debajo de los límites para informar como valores J y no pudieron utilizarse para obtener estimativos precisos. El resto de los pares de muestra/réplica proporcionan estimativos precisos: T-113/-113 tuvo seis pares de compuestos e indicó un rango de valores RPD de 1.2 a 47 (Criterio de control de calidad 50); T-408/-409 tuvo dos pares de compuestos e indicó un rango de valores RPD de 4.7 a 11; y T-608/-609 tuvo cinco pares de compuestos e indicó un rango de valores RPD de 7.5 a 49. Estos datos demuestran un desempeño aceptable del método.

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Análisis HAP Individual utilizando el Método TO-15 de USEPA

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método, que incluyeron la recuperación de compuestos subrogados. Estos datos están informados en los informes de laboratorio específicos del método.

Blanco en el Método del Laboratorio – El laboratorio realizó un total de ocho muestras en blanco del método del laboratorio. No se detectaron compuestos en las muestras en blanco por encima de los niveles MDL específicos de los compuestos (rango de aproximadamente 1.7-a-26 ug/m³). Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de ocho muestras de LCD de laboratorio que incluyeron 18 compuestos. Todas las muestras de LCD fueron informadas dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio realizó un total de ocho muestras de LCD de laboratorio que incluyeron 18 compuestos. Todas las muestras de LCS fueron informadas dentro de los criterios de una recuperación del 70 al -130 por ciento. Estos datos indican un desempeño aceptable del método.

Blanco del Sistema de a Campo – Se prepararon seis muestras de medios en blanco (campo) en el campo (T-114, -214, -314, -410, 510, -610) que fueron analizadas como muestra de campo (muestra ciega para QC). No se detectaron compuestos por encima del MDL (rango de 1.4a26 ug/m³) en las seis muestras en blanco del campo. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron seis muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). El par de muestra/duplicado T-112/-113 mostró cinco pares de compuestos por encima de los límites de informe con un rango de RPD de 6.3 a 13 e ningún par de compuestos excedió los criterios (RPD 50). El par de muestra/duplicado T-212/-213 mostró cinco pares de compuestos por encima de los límites de informe con un rango de RPD de 0.72 a 19 y ningún par de compuestos excedió los criterios (RPD 50). El par de muestra/réplica T-312/-313 tuvo contaminación en la muestra T-312 y no pudo estimarse ninguna precisión con estos datos. El par de muestra/duplicado T-408/-409 mostró tres pares de compuestos por encima de los límites de informe con un rango de RPD de 2.5 a 7.9 y ningún par de compuestos excedió los criterios (RPD 50). El par de muestra/duplicado T-508/-509 mostró tres pares de compuestos por encima de los límites de informe con un rango de RPD de 23 a 57 y un par de compuestos excedió los criterios (RPD 50). Y el par de muestra/duplicado T-608/-609 mostró siete pares de compuestos por encima de los límites de informe con un rango de RPD de 8.4 a 56 y un par de compuestos excedió los criterios (RPD 50). Estos datos demuestran un desempeño aceptable del método.

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Análisis de Ácido Sulfhídrico del Método 307.91 del SCAQMD

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método. Estos datos están informados en los informes de laboratorio específicos del método. En total se ejecutaron trece sets de datos de control de calidad estándar en las muestras para el instrumento utilizado para analizar las muestras; cuatro pasadas en cada uno de los dos primeros lotes y dos en el tercer lote de muestras. En resumen, el estándar de verificación de calibración de apertura y el control de calidad del análisis de duplicados (95%-105%, <5 RPD), el control de calidad de blancos del método (<pql), el control de calidad de los análisis estándar y duplicados (95%-105%, <10%), el pico de la matriz/QC (<10%) y el control de calidad del estándar de verificación de la curva de calibración de cierre (90-110%) para ambos instrumentos utilizados en los análisis estuvieron dentro de los requerimientos del método. Estos datos indican un desempeño aceptable. Se debe tener en cuenta que cada muestra fue tomada en duplicado (a, b) y que se analizaron las muestras indicadas con un código de muestra como "a".

Blanco del Sistema de Campo – Se prepararon seis muestras de medios en blanco (campo) en el campo (S-114, S-214, S-314, S-410, S-510 y S-610) que fueron analizadas como muestras del campo (muestra ciega para QC). No se detectó ácido sulfhídrico ni ningún otro compuesto de azufre reducido en las seis muestras en blanco a un nivel de 0.005 ppmv. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron tres muestras de campo en duplicado que se analizaron para probar la cámara de flujo (S-112/-113, S-212/-213, S-312/-313, S-408/-409, S-508/-509 y S-608/-609). En cada uno de los casos, el par de muestra y réplica no mostró detecciones en los tres pares, por lo tanto, no pudo obtenerse información sobre la precisión del método. Sin embargo, los datos de precisión del laboratorio fueron aceptables. Estos datos indican un desempeño aceptable del método.

ASTM 1945/Método 3C de USEPA para Gases Fijos (metano y dióxido de carbono)

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método.

Blanco en el Método del Laboratorio – El laboratorio tomó dos muestras en blanco del método del laboratorio. No se detectaron gases fijos en las muestras en blanco por encima del MDL que variaron entre 0.01% y 0.05%. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó dos tomas de muestras de LCD. Las muestras de LCD fueron informadas dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio realizó dos tomas de muestras de LCD. Las muestras de LCS fueron informadas dentro de los criterios de una recuperación del 70 al -130 por ciento. Estos datos indican un desempeño aceptable del método.

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Blanco del Sistema de Campo (precisión) – Se prepararon seis muestras de medios en blanco (campo) en el campo (T- 114, -214, -314, -410, 510, -610) que fueron analizadas como muestras del campo (muestra ciega para control de calidad). No se detectó ni dióxido de carbono ni metano por encima del límite de detección del método (0.5 ppmV de metano y 0.01% de dióxido de carbono). Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron seis muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Cuatro de los pares de muestra y réplica de dióxido de carbono tuvieron un RPD de 0.0 a 62 y un par excedió los criterios (RPD 50). Dos de los pares de muestra/réplica dieron como resultado ninguna detección. De forma similar, tres de los pares de muestra y réplica de metano tuvieron un RPD de 0.56 a 48 (criterio de RPD 50). Estos datos indican un desempeño aceptable del método.

Análisis de Vestigio de Gas 1,1-DFA del Método TO-15 de USEPA

Requerimientos de QC del Método – Los procedimientos de QC del Método se completaron cumpliendo con los requerimientos del método.

Blanco en el Método del Laboratorio – El laboratorio realizó un total de ocho muestras en blanco del método del laboratorio. No se detectó 1,1-DFA en las muestras en blanco en el MDL del 2.3 ug/m³. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó ocho tomas de muestras de LCD. Las muestras de LCD fueron informadas dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio realizó ocho tomas de muestras de LCD. Las muestras de LCS fueron informadas dentro de los criterios de una recuperación del 70 al -130 por ciento. Estos datos indican un desempeño aceptable del método.

Blanco del Sistema de Campo – Se prepararon seis muestras de medios en blanco (campo) en el campo (T- 114, -214, - 314, -410, 510, -610) que fueron analizadas como muestras del campo (muestra ciega para QC). Dado que estas muestras de blancos fueron tomadas de un gas estándar de calibración, estos datos sirven como datos precisos o datos de control de calidad de recuperación de la muestra (+30%). El rango de porcentaje de recuperación para las tres muestras fue del 88% al 99%. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron seis muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Los valores de RPD variaron de 2.3 a 34 (criterios de control de calidad (50 RPD). Estos datos indican un desempeño aceptable del método.

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Calibración en el Campo del TVA-1000; Estudio de Concentración Total de Hidrocarburos

Respuesta del Instrumento Previa al Uso y Posterior al Uso a Gas Patrón (de calibración) del Gas y el Cero Aire (aire puro)

El instrumento TVA-1000 con un detector FID se calibró antes del uso y después del uso cada día de uso, utilizando el estándar de gas patrón de metano certificado en 100 ppmv. Los controles de cero aires generalmente son aceptables y todos los controles de patrones estuvieron dentro de una exactitud del 70% al 130%, indicando desempeños aceptables del instrumento. Las puestas en marcha con refrigerante de la mañana causaron niveles de blancos más altos y se tuvo que volver a calibrar durante el día mientras aumentaba la temperatura ambiente, pero el instrumento proporcionó datos de análisis útiles. El instrumento también vino con un detector de ionización con fotografía (PID) pero no se usó para las actividades del estudio. No se usaron datos de campo (TVA FID o PID) en los cálculos de las emisiones; estos datos solo fueron utilizados en el campo para los propósitos de las directivas.

Calibración en el Campo del J-631X; Estudio de Ácido Sulphídrico

Respuesta del Instrumento Previa al Uso y Posterior al Uso a Cero Aire

Los dos análisis de ácido sulphídrico del J-631X controlaron el cero aire previo al uso y después del uso y volvieron a dar cero sin incidentes. Estos instrumentos de estudio del campo funcionaron bien comparados con los controles de cero aire previos y posteriores. Las puestas en marcha con refrigerante de la mañana causaron niveles de blancos más altos una respuesta alta/baja y se tuvo que volver a calibrar durante el día mientras aumentaba la temperatura ambiente, pero el instrumento proporcionó datos de análisis útiles. Cada analizador parecía tener una sensibilidad diferente y se tomaron y registraron mediciones en ambos analizadores. No se usaron datos de campo (J-631X) en los cálculos de las emisiones; estos datos solo fueron utilizados en el campo para los propósitos de las directivas.

IV. RESULTADOS Y ANÁLISIS

En la Tabla 1 se muestra un resumen de la información de las tomas de muestras de campo y de los datos de las pruebas de campo. Todos los datos de campo para las pruebas de la cámara de flujo de la superficie y la información de la identificación de las muestras se presentan en la Tabla 2. La Tabla 2 proporciona datos tanto de la concentración (% , ug/m³, mg/m³) como del flujo (mg/m², min). Todos los datos de laboratorio, que incluyen datos de control de calidad, se presentan en el Adjunto C de este memorándum. Los datos de TO-15 se presentan en la Tabla 3, los Datos de TO-14 se presentan en la Tabla 4 y los datos de SCAQMD 307-91 se presentan en la Tabla 5.

Los datos del flujo de la superficie se muestran en unidades de flujo para emisiones de compuestos (mg/m², min.). El flujo de la superficie para el origen de un área de la superficie se calcula utilizando concentraciones medidas de compuestos objetivo/parámetros operativos de olores de DT y de la cámara de flujo (índice de flujo de aire de barrida de 5.0 lpm [o 0.005 metros cúbicos por minuto (m³/min) más flujo advectivo], área de la superficie de 0.13 metros cuadrados [m²]). Las emisiones del sitio pueden calcularse multiplicando el flujo por el área de la superficie de la celda de la cuadrícula o la fuente probada. El flujo (Fi, mg/m², min o DT/m², min) se calcula desde el índice de flujo de aire de barrida (Q, m³/min)), la concentración de compuestos (Yi, mg/m³ o DT) y la exposición al área de la superficie de la cámara (A, m²)),

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de la siguiente manera:

$$F_i = (Q) (Y_i) / (A)$$

El índice de emisiones (masa por tiempo) de una fuente probada utilizando la tecnología de cámara de flujo puede obtenerse multiplicando datos unitarios o de flujo promedio por compuesto por el área de la superficie de la fuente. SE debe tener en cuenta que el flujo advectivo en cada lugar de prueba fue determinado por la dilución de 208 ppbV de vestigio de gas 1,1- DFA como lo indica el protocolo de la Regla 1133.3 del SCAQMD, Adjunto A (alternativa utilizando 10% de helio si lo permite el método).

Se descubrió que una muestra, T-312, tiene una contaminación desconocida y el director del laboratorio la marcó como tal. La muestra T-312 mostró altos niveles de TNMHC, unas 100 veces más de lo esperado, comparado con los otros datos del proyecto; y lo más importante es la réplica de esta muestra, T-313. También se observaron niveles altos de compuestos de hidrocarburo en los datos de especiación de hidrocarburos de TO-14 y TO-15, pero no se observaron en los resultados de los análisis de muestras de azufre (medios de toma de muestras diferentes), gases fijos o metano. El gas de vestigio 1,1-DFA resultó tener una recuperación más baja al compararlo con otras muestras. Esta contaminación se limitó al recipiente utilizado para T-312 y no a los equipos de la cámara de flujo de la muestra de azufre. Además, el análisis espectral de compuestos de hidrocarburos para T-312 no coincidió con ninguna otra de las muestras de hidrocarburos del proyecto. Esta muestra se marcó como "contaminada por fuente desconocida", pero no se quitó del set de datos. Se utilizó para el cálculo de emisiones dado que no pudo identificarse el origen de esta contaminación.

El flujo de VOCs como TNMHC (C1), los compuestos de HAPs, las especies de hidrocarburo, los compuestos que contienen azufre y los gases fijos (metano, hidrógeno y dióxido de carbono) de las celdas de la cuadrícula del vertedero probadas se indican en este Memorándum Técnico y se utiliza en el Informe de las Emisiones.

El set de datos cumplió con los requerimientos de control de calidad proporcionados en el SP y con los métodos de laboratorio empleados.

V. RESUMEN

Se realizó una evaluación de emisiones de aire enfocada en el Vertedero en las instalaciones ubicadas en Castaic, California. Las áreas del Vertedero que fueron probadas incluyeron celdas de cuadrículas representativas de ambas áreas del Vertedero afectadas por la reacción y las áreas del Vertedero no afectadas por la reacción. Las superficies en la zona reactiva que estaban cubiertas con una membrana sintética también se analizaron, ya que la propuesta técnica incluyó esas celdas de la cuadrícula con un estudio SEM, al igual que otras celdas del sitio. El siguiente es un resumen de las actividades y los resultados asociados a este Memorándum Técnico:

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- Las mediciones de flujo de VOCs de la superficie como TNMHC, especies de hidrocarburo, compuestos de HAP, compuestos que contienen azufre y gases fijos (metano, dióxido de carbono, 1,1-DFA) fueron tomadas en 15 celdas de cuadrículas seleccionadas del vertedero. Se amplió el alcance del trabajo para investigar otras áreas de interés en el vertedero. Se tomaron cuatro mediciones de la cámara de flujo de cada celda de cuadrícula.
- La selección de cuadrículas se basó en las áreas de interés (es decir, la zona reactiva, la zona no reactiva, la zona de interfaz, etc.) y en los datos de los estudios de metano en la superficie.
- Las pruebas de emisiones se realizaron utilizando la tecnología de cámara de flujo de la superficie recomendada por USEPA como se describe en la Guía del Usuario de USEPA para evaluar emisiones de aire fugitivo de las fuentes del área. Se determinó el flujo advectivo de la superficie en cada ubicación por la dilución de un vestigio de gas 1,1-DFA agregado al aire de barrida de la cámara. Los compuestos en estudio fueron probados siguiendo los métodos de toma de muestras y analíticos. Estas tecnologías fueron utilizadas para medir cuantitativamente el flujo superficial de prueba de los compuestos de estudio indicados.
- Los datos de control de calidad del campo y de laboratorio indican una calidad aceptable de los datos para todos los métodos analíticos utilizados. Se descubrió que los datos de la muestra de control de calidad del método y los datos de las muestras del método de los blancos de medios/de campo para los métodos analíticos eran aceptables según los métodos utilizados. La precisión del método para los duplicados del laboratorio y para las muestras pico (LCD y LCS) cumplió con los criterios del método. Las muestras del blanco del método de campo y las muestras replicadas del campo también fueron aceptables, pero alguna precisión del campo excedió los criterios. Esto probablemente se debió a los bajos niveles encontrados en varias muestras. El conjunto de datos es de calidad de datos aceptable para el propósito de evaluar emisiones de compuestos del Vertedero. Se descubrió que una muestra del depósito estaba contaminada por una fuente desconocida, que se rotuló como tal, pero no se quitó del set de datos ya que no pudo identificarse el origen.
- Los datos del flujo generados en este estudio de campo pueden utilizarse para estimar los factores de las emisiones de las fuentes de las zonas del vertedero testeadas.

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REFERENCIAS

USEPA. 1986. "Medición de Índices de Emisiones de Gases de las Superficies de Tierra Usando una Cámara de Flujo de Aislamiento de Emisiones - Guía del Usuario". Laboratorio de Sistemas de Monitoreo Ambiental de EPA, Las Vegas, Nevada, Contrato de EPA No. 68-02-3889, Asignación de Trabajo No. 18, Radian Corporation, febrero de 1986. NTIS # PB 86-223161.

Card, T.R. y C.E. Schmidt. ***“Evaluación de Emisiones de Aire de Superficies de Vertederos, Protocolo para la Toma de Muestras, Revisión 1”***, preparado para SCS Engineers y el Vertedero de Chiquita Canyon, Castaic, CA, agosto de 2023.

Table 1. Summary of Field Sampling data for Chiquita Canyon Air Emission Assessment, July 15-23, 2025.

DATE	TIME	Test Site	Grid Category	LOC.	TO-15	SRS	J 631X In	J 631X Out	FID In	FID Filter In	FID Out	FID Filter Out	IN SUR F	IN AIR	OUT SURF	OUT AIR	Coordinates	COMMENT	
					ID	ID a,b	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	°F	°F	°F	°F	11 S 34 381		
7/15/2025	821	Grid Cell #87	Exceedance Cell	1	T-101	S-101	0.000/0.000	0.001/0.005	3.9	4.5	9.0	16	87	84	77	70	8.805	1.262	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	2	T-102	S-102	0.000/0.000	0.001/0.005	-1.8	-1.6	44	39	81	82	95	75	8.814	1.260	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	3	T-103	S-103	0.000/0.005	0.002/0.011	52	45	28	13	74	77	76	64	8.822	1.225	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	4	T-104	S-104	0.000/0.004	0.043/0.029	4400	3600	200	300	74	64	74	61	8.813	1.200	Soil
7/15/2025	950	Grid Cell #75	Interface Cell	1	T-105	S-105	0.038/0.001	0.004/0.010	-3	-3	NA	-2.2	91	91	91	74	8.761	1.792	Soil
7/15/2025	948	Grid Cell #75	Interface Cell	2	T-106	S-106	0.000/0.002	0.002/0.008	-1.8	-2	NA	NA	96	95	94	71	8.782	1.793	Soil
7/15/2025	949	Grid Cell #75	Interface Cell	3	T-107	S-107	0.000/0.003	0.004/0.009	-2.3	-0.5	6.3	-1.2	113	101	94	84	8.763	1.765	Soil
7/15/2025	949	Grid Cell #75	Interface Cell	4	T-108	S-108	0.000/0.005	0.003/0.012	42	52	11	11	106	104	92	80	8.748	1.765	Soil
7/15/2025	1048	Grid Cell #76	Low RXN Cell	1	T-109	S-109	0.013/0.004	0.007/0.011	3.3	6.1	5	6.5	138	108	100	81	8.720	1.799	Synthetic Membrane
7/15/2025	1048	Grid Cell #76	Low RXN Cell	2	T-110	S-110	0.010/0.005	0.005/0.011	3	5	-4	-3	108	94	93	82	8.732	6.411	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Low RXN Cell	3	T-111	S-111	0.006/0.002	0.011/0.010	5.1	4.5	4.5	4.5	145	113	104	85	8.703	1.741	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Low RXN Cell	4	T-112	S-112	0.000/0.000	0.001/0.009	11	4.5	4.7	4.6	106	101	100	80	8.698	1.751	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Replicate Sample	4	T-113	S-113	0.000/0.000	0.001/0.009	11	4.5	4.7	4.6	106	101	100	80	8.698	1.751	Sample Replicate
7/15/2025	1141	Media Blank	NA	NA	S-114	S-114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/16/2025	816	Grid Cell #211	Low RXN Cell	1	T-201	S-201	0.000/0.000	NA	-4.5	-4	0.2	-2	71	69	75	64	8.390	1.231	Soil
7/16/2025	816	Grid Cell #211	Low RXN Cell	2	T-202	S-202	0.000/0.000	0.000/0.005	10	8.5	11	6	74	70	71	61	8.388	1.246	Soil
7/16/2025	814	Grid Cell #211	Low RXN Cell	3	T-203	S-203	0.000/0.002	0.000/0.004	5	-5	-4	-5	61	66	61	64	8.337	1.267	Soil
7/16/2025	814	Grid Cell #211	Low RXN Cell	4	T-204	S-204	0.003/0.001	0.000/0.004	-4.5	-4.6	-2.8	-3.6	65	63	64	61	8.335	1.253	Soil
7/16/2025	921	Grid Cell #204	Medium RXN Cell	1	T-205	S-205	0.003/0.004	0.000/0.001	-2.7	-3.6	-1.6	-2	86	81	81	71	8.305	1.336	Synthetic Membrane
7/16/2025	930	Grid Cell #204	Medium RXN Cell	2	T-206	S-206	0.012/0.002	0.003/0.006	-3.4	-3.1	-1.7	-2.4	88	86	80	76	8.276	1.384	Synthetic Membrane
7/16/2025	921	Grid Cell #204	Medium RXN Cell	3	T-207	S-207	0.007/0.004	0.000/0.006	3	-4	2	-2	88	91	77	75	8.301	1.345	Synthetic Membrane
7/16/2025	930	Grid Cell #204	Medium RXN Cell	4	T-208	S-208	NA	0.003/0.007	-3.5	-3.8	-1.9	-2.7	76	75	73	72	8.274	1.392	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Low RXN Cell	1	T-209	S-209	0.015/0.005	0.002/0.010	-0.7	-2	0.9	-1.7	103	90	89	80	8.325	1.677	Synthetic Membrane
7/16/2025	1050	Grid Cell #183	Low RXN Cell	2	T-210	S-210	0.008/0.003	0.004/0.008	1.5	-1	0.5	-0.6	90	92	82	76	8.315	1.705	Synthetic Membrane
7/16/2025	1050	Grid Cell #183	Low RXN Cell	3	T-211	S-211	0.012/0.004	0.006/0.010	-2	0.5	-0.2	-1.2	95	91	81	75	8.316	1.692	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Low RXN Cell	4	T-212	S-212	0.010/0.004	0.009/0.010	-2.2	-0.4	-0.5	-2	104	95	85	77	8.320	1.683	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Replicate Sample	4	T-213	S-213	0.010/0.004	0.009/0.010	-2.2	-0.4	-0.5	-2	104	95	85	77	8.320	1.683	Sample Replicate
7/16/2025	1130	Media Blank	NA	NA	T-214	S-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/17/2025	804	Grid Cell #213	High RXN Cell	1	T-301	S-301	0.000/0.000	0.000/0.005	-1	-0.4	-0.2	-0.7	71	70	71	64	8.472	1.204	Soil
7/17/2025	817	Grid Cell #213	High RXN Cell	2	T-302	S-302	0.000/0.000	0.000/0.005	114	96	6	8	61	60	70	61	8.417	1.223	Soil
7/17/2025	817	Grid Cell #213	High RXN Cell	3	T-303	S-303	0.000/0.000	0.000/0.006	-1.2	-0.8	-0.1	0.5	72	71	64	64	8.412	1.232	Soil
7/17/2025	804	Grid Cell #213	High RXN Cell	4	T-304	S-304	0.000/0.000	0.000/0.006	-2.5	-1.6	0.12	-0.4	71	70	71	61	8.469	1.218	Soil
7/17/2025	932	Grid Cell #197	Medium RXN Cell	1	T-305	S-305	0.000/0.001	0.000/0.008	-0.5	0.5	3.5	5.2	132	116	95	84	8.614	1.210	Soil
7/17/2025	931	Grid Cell #197	Medium RXN Cell	2	T-306	S-306	0.000/0.001	0.002/0.008	390	350	185	130	111	107	105	90	8.615	1.199	Soil
7/17/2025	932	Grid Cell #197	Medium RXN Cell	3	T-307	S-307	0.000/0.002	0.006/0.008	218	180	5	4.0	118	109	90	79	8.600	1.206	Soil
7/17/2025	931	Grid Cell #197	Medium RXN Cell	4	T-308	S-308	0.000/0.001	0.006/0.008	11	8.6	91	4	118	101	96	77	8.603	1.197	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cell	1	T-309	S-309	0.000/0.002	0.000/0.005	-1.3	-1.6	2	-1.5	128	117	123	87	8.701	1.237	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cell	2	T-310	S-310	0.000/0.009	0.010/0.011	-1	-1.6	3.6	0.7	160	142	121	91	8.711	1.233	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cell	3	T-311	S-311	0.000/0.003	0.009/0.010	-1.4	-1	1	-0.7	139	125	106	89	8.708	1.243	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cell	4	T-312	S-312	0.000/0.009	0.01/0.011	-1.5	-2	0.5	0.4	121	120	119	81	8.686	1.217	Soil
7/17/2025	1038	Grid Cell #195	Replicate Sample	4	T-313	S-313	0.000/0.009	0.01/0.011	-1.5	-2	0.5	0.4	121	120	119	81	8.686	1.217	Replicate Sample
7/17/2025	1130	Media Blank	NA	NA	T-314	S-314	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/18/2025	802	Grid Cell #158	Medium RXN Cell	1	T-401	S-401	0.000/0.001	0.000/0.006	-2.8	-3	-2	-2	78	75	75	70	8.590	1.545	Soil
7/18/2025	802	Grid Cell #158	Medium RXN Cell	2	T-402	S-402	0.000/0.001	0.000/0.005	-4	-3	-2	-1	74	71	77	69	8.580	1.539	Soil
7/18/2025	804	Grid Cell #158	Medium RXN Cell	3	T-403	S-403	0.000/0.000	0.000/0.008	-3.7	-3.6	-0.5	-2.8	76	74	74	68	8.605	1.557	Soil
7/18/2025	804	Grid Cell #158	Medium RXN Cell	4	T-404	S-404	0.000/0.000	0.000/0.005	-3	-3.5	-1.3	-2	78	77	71	70	8.896	1.551	Soil
7/18/2025	903	Grid Cell #149	Reaction Cell	1	T-405	S-405	0.001/0.003	0.000/0.008	-3.3	-3	1.6	0.8	98	92	87	74	8.719	1.535	Soil
7/18/2025	901	Grid Cell #149	Reaction Cell	2	T-406	S-406	0.000/0.000	NA	-3.3	-2	-3.7	8.4	89	88	86	80	8.757	1.536	Soil
7/18/2025	903	Grid Cell #149	Reaction Cell	3	T-407	S-407	0.000/0.000	0.004/0.008	5.3	3.5	3	3	96	84	86	74	8.728	1.532	Soil
7/18/2025	901	Grid Cell #149	Reaction Cell	4	T-408	S-408	0.000/0.000	0.000/0.008	370	320	1	8	101	81	84	74	8.743	1.532	Soil
7/18/2025	901	Grid Cell #149	Replicate Sample	4	T-409	S-409	0.000/0.000	0.000/0.008	370	320	1	8	101	81	84	74	8.743	1.532	Replicate Sample
7/18/2025	942	Media Blank	NA	NA	T-410	S-410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/22/2025	1013	Grid Cell #131	Normal Med Cell	1	T-501	S-501	0.000/0.000	0.000/0.008	-5.1	-5.3	-4	-5	76	70	76	67	8.800	0.882	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	2	T-502	S-502	0.000/0.000	0.000/0.006	-5.4	-5.6	-4.2	-5.2	82	75	77	71	8.794	0.879	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	3	T-503	S-503	0.000/0.000	0.000/0.007	-5.8	-5.6	-4.5	-5.5	77	73	77	69	8.780	0.873	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	4	T-504	S-504	0.000/0.000	0.000/0.005	-6.5	-6.3	-5	-5.5	76	71	75	67	8.775	0.867	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	1	T-505	S-505	0.000/0.000	0.000/0.007	-6.7	-6.2	-5.4	-6.2	86	82	84	72	8.830	0.774	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	2	T-506	S-506	0.000/0.000	0.000/0.008	-6	-6.4	-4.7	-5.2	83	80	82	70	8.823	0.782	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	3	T-507	S-507	0.000/0.001	0.000/0.008	-5.3	-5.6	-4.5	-5.4	83	80	80	71	8.819	0.787	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	4	T-508	S-508	0.000/0.000	0.000/0.007	-5.4	-5.4	-4.2	-4.8	82	79	81	73	8.814	0.795	Soil
11/19/1903	1115	Grid Cell #133	Replicate Sample	4	T-509	S-509	0.000/0.000	0.000/0.007	-5.4	-5.4	-4.2	-4.8	82	79	81	73	8.814	0.795	Replicate Sample
7/22/2025		Media Blank	NA	NA	T-510	S-510	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/23/2025	747	Grid Cell #86	Medium RXN Cell	1	T-601	S-601	0.000/0.000	0.000/0.001	3.3	4	3.1	3.8	73	64	70	61	8.823	1.274	Soil
7/23/2025	747	Grid Cell #86	Medium RXN Cell	2	T-602	S-602	0.000/0.000	0.012/0.001	0.13	0.42	2.6	0.6	71	65	70	61	8.794	1.270	Soil
7/23/2025	747	Grid Cell #86	Medium RXN Cell	3	T-603	S-603	0.000/0.000	0.004/0.002	0										

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

Test Site	LOC.	TO-15	SRS	Methane	Carbon Dioxide	Hydrogen	TO-12	1,1-DFA	Total Flow	Total Flow	Methane Flux	Carbon Dioxide Flux	TNMHC Flux
		ID	ID a,b	(ppmv)	(ppmv)	(ppmv)	TNMHC C1	(ppbv)	(lpm)	(m3/min)	mg/m2,min	mg/m2,min	mg/m2,min
Grid Cell #87	1	T-101	S-101	4.58	1,317	ND	ND	U	89.2	11.7	0.0117	0.265	0.0013 U
Grid Cell #87	2	T-102	S-102	2.38	1,183	ND	48.6	J	142	7.32	0.00732	0.087	0.0018 J
Grid Cell #87	3	T-103	S-103	46.45	455	ND	ND	U	106	9.81	0.00981	2.297	0.0011 U
Grid Cell #87	4	T-104	S-104	3443	2,707	ND	687	J	168	6.19	0.00619	109.604	0.0219
Grid Cell #75	1	T-105	S-105	ND	839	ND	60.19	J	185	5.62	0.00562	0.011	0.0017 J
Grid Cell #75	2	T-106	S-106	ND	794	ND	ND	U	167	6.23	0.00623	0.012	0.0007 U
Grid Cell #75	3	T-107	S-107	1.62	951	ND	137.1	J	125	8.32	0.00832	0.065	0.0055
Grid Cell #75	4	T-108	S-108	52	1,189	ND	134.8	J	51.8	20.1	0.0201	4.983	0.0130 J
Grid Cell #76	1	T-109	S-109	ND	ND	ND	48.5	J	165	6.30	0.00630	0.012	0.0015 J
Grid Cell #76	2	T-110	S-110	ND	395	ND	62.7	J	188	5.53	0.00553	0.010	0.0017 J
Grid Cell #76	3	T-111	S-111	2.34	798	ND	52.67	J	27.1	38.4	0.0384	0.424	0.0095 J
Grid Cell #76	4	T-112	S-112	225.90	1,920	ND	174	J	145	7.17	0.00717	7.812	0.0060
Grid Cell #76	4	T-113	S-113	200.53	995	ND	171	J	165	6.30	0.00630	6.078	0.0052
Media Blank	NA	S-114	S-114	ND	ND	ND	ND	U	191	5.45	0.00545	0.011	0.0006 U
Grid Cell #211	1	T-201	S-201	ND	1,022	ND	70.9	J	171	6.08	0.00608	0.011	0.0022 J
Grid Cell #211	2	T-202	S-202	9.40	964	ND	74.2	J	156	6.67	0.00667	0.320	0.0025 J
Grid Cell #211	3	T-203	S-203	ND	ND	ND	58.2	J	204	5.10	0.00510	0.009	0.0015 J
Grid Cell #211	4	T-204	S-204	ND	ND	ND	57.12	J	150	6.93	0.00693	0.013	0.0020 J
Grid Cell #204	1	T-205	S-205	ND	ND	ND	93.2	J	185	5.62	0.00562	0.010	0.0026 J
Grid Cell #204	2	T-206	S-206	ND	ND	ND	54.23	J	119	8.74	0.00874	0.016	0.0023 J
Grid Cell #204	3	T-207	S-207	ND	ND	ND	126.5	J	181	5.75	0.00575	0.011	0.0036 J
Grid Cell #204	4	T-208	S-208	ND	ND	ND	ND	U	183	5.68	0.00568	0.011	0.0006 U
Grid Cell #183	1	T-209	S-209	ND	ND	ND	222	J	188	5.53	0.00553	0.010	0.0060
Grid Cell #183	2	T-210	S-210	ND	ND	ND	77.7	J	169	6.15	0.00615	0.011	0.0023 J
Grid Cell #183	3	T-211	S-211	ND	ND	ND	107.1	J	181	5.75	0.00575	0.011	0.0030 J
Grid Cell #183	4	T-212	S-212	ND	ND	ND	116.8	J	195	5.33	0.00533	0.010	0.0030 J
Grid Cell #183	4	T-213	S-213	ND	ND	ND	81.5	J	173	6.01	0.00601	0.011	0.0024 J
Media Blank	NA	T-214	S-214	ND	ND	ND	ND	U	175	5.94	0.00594	0.011	0.0007 J
Grid Cell #213	1	T-301	S-301	1.38	1,247	ND	363.57	J	111	9.37	0.00937	0.066	0.0173
Grid Cell #213	2	T-302	S-302	87.40	1,018	ND	374.88	J	205	5.07	0.00507	2.304	0.0099
Grid Cell #213	3	T-303	S-303	1.30	998	ND	ND	U	186	5.59	0.00559	0.037	0.0006 U
Grid Cell #213	4	T-304	S-304	0.72	832	ND	135.82	J	162	6.42	0.00642	0.023	0.0044
Grid Cell #197	1	T-305	S-305	1.59	1,485	ND	639.77	J	97.6	10.7	0.0107	0.079	0.0320
Grid Cell #197	2	T-306	S-306	338.87	1,066	ND	518.88	J	46.5	22.4	0.0224	36.109	0.0553
Grid Cell #197	3	T-307	S-307	234	1,392	ND	517	J	130	8.00	0.00800	8.898	0.0196
Grid Cell #197	4	T-308	S-308	10.76	981	ND	50.8	J	126	8.25	0.00825	0.429	0.0020 J
Grid Cell #195	1	T-309	S-309	0.87	786	ND	175	J	181	5.75	0.00575	0.023	0.0047
Grid Cell #195	2	T-310	S-310	1.36	1,373	ND	130.4	J	140	7.43	0.00743	0.045	0.0043 J
Grid Cell #195	3	T-311	S-311	1.47	852	ND	73.04	J	124	8.39	0.00839	0.057	0.0028 J
Grid Cell #195	4	T-312	S-312	ND	837	ND	5,885	J	161	6.46	0.00646	0.011	0.1766
Grid Cell #195	4	T-313	S-313	ND	940	ND	131.7	J	203	5.12	0.00512	0.009	0.0031 J
Media Blank	NA	T-314	S-314	ND	ND	ND	ND	U	195	5.33	0.00533	0.010	0.0006 U
Grid Cell #158	1	T-401	S-401	1.77	588	ND	128.41	J	120	8.67	0.00867	0.077	0.0056 J
Grid Cell #158	2	T-402	S-402	3.32	644	ND	84.29	J	141	7.38	0.00738	0.125	0.0032 J
Grid Cell #158	3	T-403	S-403	ND	353	ND	ND	U	196	5.31	0.00531	0.010	0.0006 U
Grid Cell #158	4	T-404	S-404	2.59	586	ND	ND	U	94.0	11.1	0.0111	0.144	0.0013 U
Grid Cell #149	1	T-405	S-405	ND	362	ND	89.47	J	179	5.81	0.00581	0.011	0.0025 J
Grid Cell #149	2	T-406	S-406	1.01	480	ND	ND	U	144	7.22	0.00722	0.036	0.0008 U
Grid Cell #149	3	T-407	S-407	6.78	351	ND	74.96	J	198	5.25	0.00525	0.176	0.0020 J
Grid Cell #149	4	T-408	S-408	275.25	899	ND	119.1	J	171	6.08	0.00608	8.361	0.0036 J
Grid Cell #149	4	T-409	S-409	272.97	937	ND	99.72	J	175	5.94	0.00594	8.089	0.0030 J
Media Blank	NA	T-410	S-410	ND	ND	ND	ND	U	205	5.07	0.00507	0.008	0.0006 J
Grid Cell #131	1	T-501	S-501	ND	165	ND	89.66	J	183	5.68	0.00568	0.010	0.0026 J
Grid Cell #131	2	T-502	S-502	ND	333	ND	74.18	J	171	6.08	0.00608	0.012	0.0023 J
Grid Cell #131	3	T-503	S-503	ND	155	ND	ND	U	185	5.62	0.00562	0.010	0.0006 U
Grid Cell #131	4	T-504	S-504	ND	522	ND	ND	U	166	6.27	0.00627	0.012	0.0007 U
Grid Cell #133	1	T-505	S-505	ND	193	ND	ND	U	165	6.30	0.00630	0.011	0.0007 U
Grid Cell #133	2	T-506	S-506	ND	210	ND	ND	U	176	5.91	0.00591	0.011	0.0007 U
Grid Cell #133	3	T-507	S-507	ND	254	ND	62.26	J	158	6.58	0.00658	0.012	0.0021 J
Grid Cell #133	4	T-508	S-508	ND	258	ND	ND	U	133	7.82	0.00782	0.015	0.0009 U
Grid Cell #133	4	T-509	S-509	ND	327	ND	118.17	J	187	5.56	0.00556	0.011	0.0033 J
Media Blank	NA	T-510	S-510	ND	ND	ND	ND	U	184	5.65	0.00565	0.011	0.0006 J
Grid Cell #86	1	T-601	S-601	1.82	741	ND	59.86	J	159	6.54	0.00654	0.061	0.0020 J
Grid Cell #86	2	T-602	S-602	1.65	1,031	ND	148.94	J	170	6.12	0.00612	0.052	0.0047
Grid Cell #86	3	T-603	S-603	1.39	1,055	ND	314.16	J	136	7.65	0.00765	0.054	0.0123
Grid Cell #86	4	T-604	S-604	1.5	988	ND	ND	U	186	5.59	0.00559	0.043	0.0006 U
Grid Cel #232	1	T-605	S-605	1.57	820	ND	150.89	J	88.0	11.8	0.0118	0.091	0.0088
Grid Cel #232	2	T-606	S-606	1.71	1,017	ND	45.98	J	169	6.15	0.00615	0.053	0.0014 J
Grid Cel #232	3	T-607	S-607	185.09	1,271	ND	328.97	J	94.8	11.0	0.0110	9.886	0.0176
Grid Cel #232	4	T-608	S-608	348.71	1,295	ND	268.18	J	77.6	13.4	0.0134	23.377	0.0180
Grid Cel #232	4	T-609	S-609	213.26	1,405	ND	266.55	J	84.4	12.3	0.0123	13.140	0.0164
Media Blank	NA	T-610	S-610	ND	ND	ND	ND	U	183	5.68	0.00568	0.000	0.0006 J

NA- not applicable

U- below detection

J- above detection but below reporting limits

Flux (mg/m2,min) = (mg/m3)/(flow m3/min)/0.13 m2

Table 3
Chiquita Canyon July 2025 Test Event
TO-15 Compounds

Sample Number	Compound	Lab Data (ppbv)																	
		CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3	95-63-6	100-41-4
		MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1	120.2	106.2
Lab Data (ppbv)																			
T-101		9.9	0.68	10.98	5.46	ND	ND	ND	ND	ND	ND	ND		1.21	ND	ND	ND	ND	ND
T-102		9.17	0.65	11.69	3.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103		6.06	0.68	14.56	2.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104		16.92	1.02	2.07	ND	11.42	2.15	ND	1.37	1.9	23.65	6.32	ND		1.87	3.34	5.51	0.74	1.59
T-105		3.16	ND	2.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106		3.57	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND		18.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108		6.51	0.84	8.6	11.9	ND	ND	ND	ND	ND	ND	ND		1.19	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111		1.85	ND	4.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		4.61	0.63	2.6	ND	ND	ND	ND	ND	ND	4.79	ND	ND	ND	ND	ND	ND	ND	ND
T-113		5.06	0.72	2.77	ND	ND	ND	ND	ND	ND	5.21	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		3.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202		5.4	0.52	5.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		1.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND
T-206		2.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	1.03	1.2	ND	2.33	0.45	1.05	ND	0.4	
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-209	ND	ND	ND	ND	ND	1.73	ND	ND	ND	ND	ND	0.96	ND	4.34	0.42	0.85	ND	0.45	
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND	ND	ND	
T-211		1.81	ND	ND	ND	ND	ND	ND	ND	ND	0.74	0.47	ND	1.29	ND	ND	ND	ND	
T-212	ND	ND	ND	ND	ND	1.23	ND	ND	ND	ND	0.69	0.72	ND	2.79	ND	0.78	ND	ND	
T-213	ND	ND	ND	ND	ND	1.34	ND	ND	ND	ND	0.57	0.75	ND	2.77	ND	ND	ND	0.34	
T-214	ND				1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-301		12.6	6.67	8.99	2.03	2.51	ND	2.74	ND	ND	0.65	ND	ND	ND	ND	ND	ND	ND	
T-302		5.65	ND	8.92	ND	ND	ND	ND	ND	ND	1.77	ND	ND	ND	ND	ND	ND	ND	
T-303		7.16	ND	18.56	ND	ND	ND	ND	ND	ND	0.77	ND	ND	2.5	ND	ND	ND	ND	
T-304		4.07	1.1	2.88	ND	ND	ND	ND	2.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-305		28.15	8.74	62.13	3.1	5.92	ND	ND	ND	ND	0.88	ND	ND	4.17	ND	ND	ND	ND	
T-306		32.09	ND	29.91	1.88	ND	ND	ND	ND	3.48	1.14	6.08	ND	1.28	2.92	ND	0.69	ND	
T-307		14.24	2.06	28.66	ND	ND	ND	ND	1.8	ND	4.65	ND	ND	3.14	1.73	ND	ND	ND	
T-308	ND	ND	ND	3.62	1.91	ND	ND	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	ND	
T-309		7.86	ND	4.55	ND	ND	0.69	ND	ND	ND	1.52	ND	ND	2	ND	ND	ND	ND	
T-310		30.66	2.08	111.11	7.78	ND	ND	ND	ND	ND	1.54	ND	7.15	1.19	ND	ND	ND	ND	
T-311		16.07	0.93	59.2	3.63	ND	ND	ND	ND	ND	1.5	ND	3.72	2.07	ND	ND	ND	ND	
T-312		1174.28	1454.57	134.71	607.19	353.09	243.77	231.9	192.68	158.9	8.81	41.91	21.19	8.66	21.39	13.25	19.87	16.46	
T-313		10.66	ND	6.01	2.21	13.93	1.68	ND	ND	0.43	1.58	ND	1.47	1.28	ND	ND	ND	ND	
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-401		3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-402		3.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.19	ND	ND	ND	ND	
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	
T-407		6.15	ND	2.12	ND	ND	ND	ND	ND	ND	1.31	ND	ND	ND	ND	ND	ND	ND	
T-408		6.36	ND	ND	ND	ND	ND	ND	ND	ND	1.15	ND	1.32	ND	ND	ND	ND	ND	
T-409		6.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND	
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-502		3.96	ND	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-503		3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.71	ND	ND	ND	ND	
T-504		2.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-506	ND	ND	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-507	ND		0.69	ND	ND	ND	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	ND	
T-508		3.88	ND	ND	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	ND	ND	ND	
T-509		2.17	ND	1.81	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND	ND	ND	
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-601		9.38	0.87	23.12	ND	ND	ND	ND	ND	ND	ND	ND	1.19	1.21	ND	ND	ND	ND	
T-602		13.75	1.28	32.64	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND	
T-603		29.35	7.14	17.47	ND	1.56	2.12	ND	ND	ND	1.45	ND	1.31	ND	ND	ND	ND	ND	
T-604		12.63	1.19	18.1	ND	ND	ND	ND	ND	ND	0.93	ND	1.06	ND	ND	ND	ND	ND	
T-605		10.8	ND	15.94	ND	ND	ND	ND	ND	ND	1.8	ND	1.82	1.95	ND	ND	ND	ND	
T-606	ND	ND	ND	5.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.72	ND	ND	ND	ND	
T-607	ND	ND	ND	21.7	ND	ND	ND	ND	ND	ND	3.59	ND	ND	1.85	ND	ND	ND	ND	
T-608		9.36	0.5	16.21	2.19	ND	ND	ND	ND	ND	1.79	ND	1.49	ND	ND	ND	ND	ND	
T-609		10.9	0.68	19.55	3.88	ND	ND	ND	ND	ND	2.14	ND	ND	ND	ND	ND	ND	ND	
T-610	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 3
Chiquita Canyon July 2025 Test Event
TO-15 Compounds

Sample Number	Compound	MDL (ppbv)																																	
		Acetone		2-Butanone (MEK)		Methanol		Ethanol		Isopropyltoluene		Decane		Ethyl acetate		Tetrahydrofuran		Nonane		Propylene		m,p-Xylenes		Acrolein		Benzene		o-Xylene		Toluene		1,2,4-Trimethylbenzene		Ethylbenzene	
		CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3	95-63-6	100-41-4																
MDL (ppbv)	MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1	120.2	106.2																	
T-101		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-102		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-103		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-104		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-105		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-106		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-107		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-108		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-109		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-110		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-111		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-112		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-113		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-114		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-201		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-202		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-203		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-204		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-205		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-206		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-207		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-208		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-209		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-210		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-211		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-212		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-213		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-214		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-301		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-302		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-303		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-304		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-305		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-306		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-307		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-308		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-309		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-310		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-311		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-312	10	2	10	10	4	4	4	2	1.01	2	2	2	2	7	2	4	4	2																	
T-313	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-314	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-401	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-402	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-403	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-404	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-405	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-406	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-407	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-408	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-409	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-410	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-501	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-502	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-503	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-504	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-505	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-506	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-507	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-508	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-509	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-510	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-601	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-602	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-603	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-604	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-605	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-606	1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33																	
T-607	1.67	0.33	1.67	1.67	0.67	0.67	0.33																												

T-101	23.21	1.98	14.18	10.16	<1.81E+00	<1.92E+00	<5.87E-01	<2.47E-01	<8.54E-01	<2.80E-01	<7.07E-01	2.74	<1.84E+00	<7.07E-01	<1.24E+00	<1.62E+00	<7.07E-01
T-102	21.58	1.90	15.15	6.27	<1.82E+00	<1.93E+00	<5.89E-01	<2.48E-01	<8.57E-01	<2.81E-01	<7.10E-01	<3.75E-01	<1.85E+00	<7.10E-01	<1.25E+00	<1.63E+00	<7.10E-01
T-103	14.39	2.00	19.04	4.32	<1.84E+00	<1.95E+00	<5.94E-01	<2.50E-01	<8.65E-01	<2.84E-01	<7.16E-01	<3.78E-01	<1.87E+00	<7.16E-01	<1.26E+00	<1.65E+00	<7.16E-01
T-104	41.18	3.08	2.77	<1.61E+00	64.20	12.82	<6.09E-01	4.14	10.21	41.69	28.12	<3.88E-01	6.12	14.86	21.26	3.73	7.07
T-105	7.31	<4.74E-01	2.57	<1.53E+00	<1.79E+00	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	<2.77E-01	<6.98E-01	<3.69E-01	<1.82E+00	<6.98E-01	<1.23E+00	<1.60E+00	<6.98E-01
T-106	8.20	<4.70E-01	2.91	<1.52E+00	<1.78E+00	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	<2.75E-01	<6.93E-01	<3.66E-01	<1.81E+00	<6.93E-01	<1.22E+00	<1.59E+00	<6.93E-01
T-107	<1.90E+00	<4.65E-01	22.99	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	<2.72E-01	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-108	14.72	2.36	10.71	21.35	<1.75E+00	<1.86E+00	<5.66E-01	<2.38E-01	<8.24E-01	<2.70E-01	<6.82E-01	2.60	<1.78E+00	<6.82E-01	<1.20E+00	<1.57E+00	<6.82E-01
T-109	<1.87E+00	<4.60E-01	<1.03E+00	<1.49E+00	<1.74E+00	<1.84E+00	<5.62E-01	<2.37E-01	<8.18E-01	<2.68E-01	<6.77E-01	<3.58E-01	<1.77E+00	<6.77E-01	<1.19E+00	<1.56E+00	<6.77E-01
T-110	<1.92E+00	<4.71E-01	<1.06E+00	<1.53E+00	<1.78E+00	<1.89E+00	<5.76E-01	<2.43E-01	<8.39E-01	<2.75E-01	<6.94E-01	<3.67E-01	<1.81E+00	<6.94E-01	<1.22E+00	<1.60E+00	<6.94E-01
T-111	4.12	<4.56E-01	5.80	<1.47E+00	<1.72E+00	<1.83E+00	<5.57E-01	<2.35E-01	<8.11E-01	<2.66E-01	<6.71E-01	<3.55E-01	<1.75E+00	<6.71E-01	<1.18E+00	<1.54E+00	<6.71E-01
T-112	10.48	1.78	3.26	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	7.89	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-113	11.50	2.03	3.47	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	8.58	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-114	<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-201	7.64	<4.94E-01	<1.11E+00	<1.60E+00	<1.87E+00	<1.98E+00	<6.03E-01	<2.54E-01	<8.78E-01	<2.88E-01	<7.27E-01	<3.84E-01	<1.90E+00	<7.27E-01	<1.28E+00	<1.67E+00	<7.27E-01
T-202	12.99	1.55	7.39	<1.59E+00	<1.86E+00	<1.97E+00	<6.02E-01	<2.54E-01	<8.77E-01	<2.88E-01	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-203	4.51	<4.96E-01	<1.12E+00	<1.61E+00	<1.88E+00	<1.99E+00	<6.07E-01	<2.56E-01	<8.83E-01	<2.90E-01	<7.31E-01	<3.86E-01	4.92	<7.31E-01	<1.29E+00	<1.68E+00	<7.31E-01
T-204	<2.04E+00	<4.99E-01	<1.12E+00	<1.62E+00	<1.89E+00	<2.00E+00	<6.10E-01	<2.57E-01	<8.88E-01	<2.91E-01	<7.35E-01	<3.88E-01	<1.92E+00	<7.35E-01	<1.29E+00	<1.69E+00	<7.35E-01
T-205	<1.97E+00	<4.83E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.90E-01	<2.49E-01	<8.59E-01	<2.82E-01	2.59	<3.76E-01	<1.85E+00	<7.11E-01	<1.25E+00	<1.63E+00	<7.11E-01
T-206	5.21	<4.78E-01	<1.07E+00	<1.55E+00	<1.81E+00	<1.92E+00	<5.84E-01	<2.46E-01	<8.51E-01	<2.79E-01	<7.04E-01	<3.72E-01	<1.84E+00	<7.04E-01	<1.24E+00	<1.62E+00	<7.04E-01
T-207	<1.93E+00	<4.74E-01	<1.06E+00	<1.53E+00	14.97	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	1.73	5.08	<6.9E-01	7.25	1.90	3.85	<1.60E+00	1.69
T-208	<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-209	<1.94E+00	<4.75E-01	<1.07E+00	<1.54E+00	9.27	<1.90E+00	<5.80E-01	<2.45E-01	<8.45E-01	<2.77E-01	4.07	<3.69E-01	13.53	1.78	3.12	<1.61E+00	1.91
T-210	<1.93E+00	<4.73E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.78E-01	<2.44E-01	<8.42E-01	1.05	<6.97E-01	<3.68E-01	<1.82E+00	<6.97E-01	<1.23E+00	<1.60E+00	<6.97E-01
T-211	4.19	<4.74E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	1.24	1.99	<6.9E-01	4.01	<6.98E-01	<1.23E+00	<1.60E+00	<6.98E-01
T-212	<1.92E+00	<4.70E-01	<1.06E+00	<1.52E+00	6.53	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	1.15	3.02	<6.6E-01	8.62	<6.93E-01	2.84	<1.59E+00	<6.93E-01
T-213	<1.92E+00	<4.70E-01	<1.06E+00	<1.52E+00	7.11	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	0.95	3.15	<6.6E-01	8.56	<6.93E-01	<1.22E+00	<1.59E+00	1.43
T-214	<1.99E+00	<4.88E-01	<1.10E+00	3.69	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-301	30.32	19.92	11.91	3.88	13.95	<1.97E+00	10.00	<2.54E-01	<8.77E-01	1.13	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-302	13.86	<5.02E-01	12.05	<1.62E+00	<1.90E+00	<2.01E+00	<6.14E-01	<2.59E-01	<8.94E-01	3.14	<7.40E-01	<3.91E-01	<1.93E+00	<7.40E-01	<1.30E+00	<1.70E+00	<7.40E-01
T-303	17.20	<4.92E-01	24.55	<1.59E+00	<1.86E+00	<1.97E+00	<6.01E-01	<2.53E-01	<8.75E-01	1.34	<7.24E-01	5.80	<1.89E+00	<7.24E-01	<1.28E+00	<1.66E+00	<7.24E-01
T-304	9.79	3.28	3.82	<1.59E+00	<1.86E+00	<1.97E+00	<6.02E-01	7.14	<8.77E-01	<2.88E-01	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-305	62.32	24.01	75.76	5.45	30.27	<1.82E+00	<5.54E-01	<2.34E-01	<8.07E-01	1.41	<6.68E-01	8.91	<1.74E+00	<6.68E-01	<1.18E+00	<1.53E+00	<6.68E-01
T-306	72.17	<4.61E-01	37.05	3.35	<1.74E+00	<1.85E+00	<5.63E-01	<2.37E-01	17.28	1.86	24.99	<3.58E-01	3.87	12.00	<1.19E+00	3.21	<6.78E-01
T-307	31.91	5.73	35.38	<1.48E+00	<1.73E+00	<1.84E+00	6.12	<2.36E-01	<8.17E-01	7.55	<6.76E-01	6.79	5.21	<6.76E-01	<1.19E+00	<1.55E+00	<6.76E-01
T-308	<1.90E+00	<4.65E-01	4.53	3.44	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	1.73	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-309	17.37	<4.53E-01	5.54	<1.46E+00	<1.71E+00	3.73	<5.53E-01	<2.33E-01	<8.05E-01	2.43	<6.67E-01	<3.52E-01	5.94	<6.67E-01	<1.17E+00	<1.53E+00	<6.67E-01
T-310	64.94	5.47	129.63	13.08	<1.64E+00	<1.74E+00	<5.30E-01	<2.23E-01	<7.72E-01	2.36	<6.39E-01	14.62	3.39	<6.39E-01	<1.12E+00	<1.47E+00	<6.39E-01
T-311	35.03	2.52	71.07	6.28	<1.69E+00	<1.79E+00	<5.45E-01	<2.30E-01	<7.94E-01	2.37	<6.57E-01	7.83	6.07	<6.57E-01	<1.16E+00	<1.51E+00	<6.57E-01
T-312	2,581.80	3,968.66	163.13	1,059.25	1,793.13	1,312.68	773.13	525.71	771.48	14.03	168.43	44.99	25.59	85.96	46.18	90.38	66.15
T-313	23.44	<4.50E-01	7.28	3.86	70.74	9.05	<5.50E-01	<2.32E-01	2.09	2.52	<6.63E-01	3.12	3.78	<6.63E-01	<1.17E+00	<1.52E+00	<6.63E-01
T-314	<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-401	9.39	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-402	8.53	<4.92E-01	<1.10E+00	<1.59E+00	<1.86E+00	<1.97E+00	<6.01E-01	<2.53E-01	<8.75E-01	<2.87E-01	<7.24E-01	<3.83E-01	<1.89E+00	<7.24E-01	<1.28E+00	<1.66E+00	<7.24E-01
T-403	<1.99E+00	<4.89E-01	<1.10E+00	<1.58E+00	<1.85E+00	<1.96E+00	<5.98E-01	<2.52E-01	<8.70E-01	<2.85E-01	<7.20E-01	<3.80E-01	<1.88E+00	<7.20E-01	<1.27E+00	<1.66E+00	<7.20E-01
T-404	<1.98E+00	<4.86E-01	<1.09E+00	<1.57E+00	<1.84E+00	<1.95E+00	<5.94E-01	<2.50E-01	<8.65E-01	<2.84E-01	<7.16E-01	<3.78E-01	<1.87E+00	<7.16E-01	<1.26E+00	<1.65E+00	<7.16E-01
T-405	<1.93E+00	<4.73E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.78E-01	<2.44E-01	<8.42E-01	2.34	<6.97E-01	<3.68E-01	3.70	<6.97E-01	<1.23E+00	<1.60E+00	<6.97E-01
T-406	<1.94E+00	<4.76E-01	<1.07E+00	<1.54E+00	<1.80E+00	<1.91E+00	<5.82E-01	<2.45E-01	<8.48E-01	<2.78E-01	<7.02E-01	<3.71E-01	3.82	<7.02E-01	<1.24E+00	<1.61E+00	<7.02E-01
T-407	14.42	<4.80E-01	2.74	<1.55E+00	<1.81E+00	<1.92E+00	<5.87E-01	<2.47E-01	<8.54E-01	2.22	<6.7E-01	<3.73E-01	<1.84E+00	<7.07E-01	<1.24E+00	<1.62E+00	<7.07E-01
T-408	14.99	<4.83E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.90E-01	<2.49E-01	<8.59E-01	1.96	<7.11E-01	3.00	<1.85E+00	<7.11E-01	<1.25E+00	<1.63E+00	<7.11E-01

Sample Number	Compound	Flux (mg/m ² -min)															
		Flux (mg/m ² -min)															
		Flux (mg/m ² -min)															
		Flux (mg/m ² -min)															
CAS MW	67-64-1 58.1	78-93-3 72.1	67-56-1 32	64-17-5 46.1	99-87-6 134.2	124-18-5 142.3	141-78-6 88.1	109-99-9 72.1	111-84-2 128.3	115-07-1 42.08	1330-20-7 106.2	107-02-8 56.1	71-43-2 78.1	95-47-6 106.2	108-88-3 92.1	95-63-6 120.2	100-41-4 106.2
Acetone	2-Butanone (MEK)	Methanol	Ethanol	Isopropyltoluene	Decane	Ethyl acetate	Tetrahydrofuran	Nonane	Propylene	m,p-Xylenes	Acrolein	Benzene	o-Xylene	Toluene	1,4-Trimethylbenzene	Ethylbenzene	
T-101	0.00208	0.00018	0.00127	0.00091	<1.63E-04	<1.73E-04	<5.26E-05	<2.22E-05	<7.66E-05	<2.51E-05	<6.34E-05	0.00025	<1.65E-04	<6.34E-05	<1.12E-04	<1.46E-04	<6.34E-05
T-102	0.00121	0.00011	0.00085	0.00035	<1.02E-04	<1.09E-04	<3.31E-05	<1.40E-05	<4.82E-05	<1.58E-05	<3.99E-05	<2.11E-05	<1.04E-04	<3.99E-05	<7.02E-05	<9.17E-05	<3.99E-05
T-103	0.00109	0.00015	0.00144	0.00033	<1.39E-04	<1.47E-04	<4.49E-05	<1.89E-05	<6.54E-05	<2.15E-05	<5.42E-05	<2.86E-05	<1.41E-04	<5.42E-05	<9.54E-05	<1.24E-04	<5.42E-05
T-104	0.00196	0.00015	0.00013	<7.66E-05	0.00305	0.00061	<2.89E-05	0.00020	0.00049	0.00198	0.00134	<1.84E-05	0.00029	0.00071	0.00101	0.00018	0.00034
T-105	0.00032	<2.05E-05	0.00011	<6.22E-05	<7.74E-05	<8.20E-05	<2.50E-05	<1.05E-05	<3.64E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.86E-05	<3.01E-05	<5.31E-05	<6.93E-05	<3.01E-05
T-106	0.00039	<2.25E-05	0.00014	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	<1.32E-05	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05	<7.63E-05	<3.32E-05
T-107	<1.21E-04	<2.98E-05	0.00147	<9.63E-05	<1.12E-04	<1.19E-04	<3.64E-05	<1.53E-05	<5.29E-05	<1.74E-05	<4.38E-05	<2.31E-05	<1.14E-04	<4.38E-05	<7.72E-05	<1.01E-04	<4.38E-05
T-108	0.00227	0.00036	0.00165	0.00329	<2.70E-04	<2.86E-04	<8.73E-05	<3.68E-05	<1.27E-04	<4.17E-05	<1.05E-04	0.00040	<2.74E-04	<1.05E-04	<1.85E-04	<2.42E-04	<1.05E-04
T-109	<9.08E-05	<2.23E-05	<5.00E-05	<7.20E-05	<8.41E-05	<8.92E-05	<2.72E-05	<1.15E-05	<3.96E-05	<1.30E-05	<3.28E-05	<1.73E-05	<8.55E-05	<3.28E-05	<5.77E-05	<7.53E-05	<3.28E-05
T-110	<8.19E-05	<2.01E-05	<4.51E-05	<6.50E-05	<7.59E-05	<8.04E-05	<2.45E-05	<1.03E-05	<3.57E-05	<1.17E-05	<2.96E-05	<1.56E-05	<7.71E-05	<2.96E-05	<5.21E-05	<6.79E-05	<2.96E-05
T-111	0.00122	<1.35E-04	0.00171	<4.35E-04	<5.09E-04	<5.39E-04	<1.64E-04	<6.93E-05	<2.39E-04	<7.85E-05	<1.98E-04	<1.05E-04	<5.17E-04	<1.98E-04	<3.49E-04	<4.55E-04	<1.98E-04
T-112	0.00058	0.00010	0.00018	<8.32E-05	<9.72E-05	<1.03E-04	<3.14E-05	<1.32E-05	<4.58E-05	0.00044	<3.79E-05	<2.00E-05	<9.87E-05	<3.79E-05	<6.67E-05	<8.70E-05	<3.79E-05
T-113	0.00056	0.00010	0.00017	<7.09E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	0.00042	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05	<7.63E-05	<3.32E-05
T-114	<8.32E-05	<2.04E-05	<4.58E-05	<6.60E-05	<7.71E-05	<8.18E-05	<2.49E-05	<1.05E-05	<3.63E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.84E-05	<3.01E-05	<5.29E-05	<6.91E-05	<3.01E-05
T-201	0.00036	<2.31E-05	<5.19E-05	<7.47E-05	<8.72E-05	<9.25E-05	<2.82E-05	<1.19E-05	<4.11E-05	<1.35E-05	<3.40E-05	<1.80E-05	<8.87E-05	<3.40E-05	<5.99E-05	<7.81E-05	<3.40E-05
T-202	0.00067	0.00008	0.00038	<8.20E-05	<9.58E-05	<1.02E-04	<3.10E-05	<1.31E-05	<4.51E-05	<1.48E-05	<3.73E-05	<1.89E-05	<9.73E-05	<3.73E-05	<6.57E-05	<8.58E-05	<3.73E-05
T-203	0.00018	<1.94E-05	<4.36E-05	<6.29E-05	<7.34E-05	<7.79E-05	<2.37E-05	<1.00E-05	<3.46E-05	<1.13E-05	<2.86E-05	<1.51E-05	0.00019	<2.86E-05	<5.04E-05	<6.58E-05	<2.86E-05
T-204	<1.09E-04	<2.66E-05	<5.98E-05	<8.61E-05	<1.01E-04	<1.07E-04	<3.25E-05	<1.37E-05	<4.73E-05	<1.55E-05	<3.92E-05	<2.07E-05	<1.02E-04	<3.92E-05	<6.90E-05	<9.01E-05	<3.92E-05
T-205	<8.51E-05	<2.09E-05	<4.69E-05	<6.75E-05	<7.89E-05	<8.36E-05	<2.55E-05	<1.08E-05	<3.71E-05	<1.22E-05	0.00011	<1.62E-05	<8.02E-05	<3.07E-05	<5.41E-05	<7.07E-05	<3.07E-05
T-206	0.00035	<3.22E-05	<7.23E-05	<1.04E-04	<1.22E-04	<1.29E-04	<3.93E-05	<1.66E-05	<5.73E-05	<1.88E-05	<4.74E-05	<2.50E-05	<1.24E-04	<4.74E-05	<8.35E-05	<1.09E-04	<4.74E-05
T-207	<8.65E-05	<2.10E-05	<4.71E-05	<6.79E-05	0.00066	<8.41E-05	<2.56E-05	<1.08E-05	<3.73E-05	0.00008	0.00022	<1.63E-05	0.00032	0.00008	0.00017	<7.10E-05	0.00007
T-208	<8.68E-05	<2.13E-05	<4.78E-05	<6.89E-05	<8.04E-05	<8.53E-05	<2.60E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.18E-05	<3.14E-05	<5.52E-05	<7.21E-05	<3.14E-05
T-209	<8.23E-05	<2.02E-05	<4.53E-05	<6.53E-05	0.00039	<8.08E-05	<2.47E-05	<1.04E-05	<3.59E-05	<1.18E-05	0.00017	<1.57E-05	0.00057	0.00008	0.00013	<6.83E-05	0.00008
T-210	<9.14E-05	<2.24E-05	<5.04E-05	<7.26E-05	<8.47E-05	<8.99E-05	<2.74E-05	<1.16E-05	<3.99E-05	0.00005	<3.30E-05	<1.74E-05	<8.61E-05	<3.30E-05	<5.82E-05	<7.59E-05	<3.30E-05
T-211	0.00019	<2.10E-05	<4.72E-05	<6.79E-05	<7.93E-05	<8.41E-05	<2.57E-05	<1.08E-05	<3.74E-05	0.00005	0.00009	<1.63E-05	0.00018	<3.09E-05	<5.45E-05	<7.11E-05	<3.09E-05
T-212	<7.89E-05	<1.94E-05	<4.35E-05	<6.26E-05	0.00027	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00005	0.00012	<1.51E-05	0.00035	<2.85E-05	0.00012	<6.55E-05	<2.85E-05
T-213	<8.66E-05	<2.17E-05	<4.88E-05	<7.03E-05	0.00033	<8.71E-05	<2.66E-05	<1.12E-05	<3.87E-05	0.00004	0.00015	<1.69E-05	0.00040	<3.20E-05	<5.64E-05	<7.36E-05	0.00007
T-214	<9.12E-05	<2.24E-05	<5.02E-05	0.00017	<8.45E-05	<8.96E-05	<2.73E-05	<1.15E-05	<3.98E-05	<1.30E-05	<3.29E-05	<1.74E-05	<8.58E-05	<3.29E-05	<5.80E-05	<7.57E-05	<3.29E-05
T-301	0.00218	0.00143	0.00086	0.00028	0.00100	<1.42E-04	0.00072	<1.83E-05	<6.31E-05	0.00008	<5.22E-05	<2.76E-05	<1.36E-04	<5.22E-05	<9.19E-05	<1.20E-04	<5.22E-05
T-302	0.00054	<1.96E-05	0.00047	<6.34E-05	<7.41E-05	<7.85E-05	<2.40E-05	<1.01E-05	<3.49E-05	0.00012	<2.89E-05	<1.53E-05	<7.53E-05	<2.89E-05	<5.08E-05	<6.63E-05	<2.89E-05
T-303	0.00074	<2.12E-05	0.00106	<6.85E-05	<8.01E-05	<8.49E-05	<2.59E-05	<1.09E-05	<3.77E-05	0.00006	<3.12E-05	0.00025	<8.14E-05	<3.12E-05	<5.49E-05	<7.17E-05	<3.12E-05
T-304	0.00048	0.00016	0.00019	<8.20E-05	<9.17E-05	<9.72E-05	<2.96E-05	0.00035	<4.32E-05	<1.42E-05	<3.57E-05	<1.89E-05	<9.32E-05	<3.57E-05	<6.29E-05	<8.21E-05	<3.57E-05
T-305	0.00511	0.00197	0.00621	0.00045	0.00248	<1.49E-04	<4.54E-05	<1.91E-05	<6.61E-05	0.00012	<5.48E-05	0.00073	<1.43E-04	<5.48E-05	<9.64E-05	<1.26E-04	<5.48E-05
T-306	0.01242	<7.92E-05	0.00637	0.00058	<2.99E-04	<3.17E-04	<9.68E-05	<4.08E-05	0.00297	0.00032	0.00430	<6.16E-05	0.00067	0.00207	<2.05E-04	0.00055	<1.17E-04
T-307	0.00197	0.00035	0.00218	<9.14E-05	<1.07E-04	<1.13E-04	0.00038	<1.46E-05	<5.03E-05	0.00046	<4.16E-05	0.00042	0.00032	<4.16E-05	<7.33E-05	<9.57E-05	<4.16E-05
T-308	<1.21E-04	<2.96E-05	0.00029	0.00022	<1.12E-04	<1.19E-04	<3.62E-05	<1.53E-05	<5.27E-05	0.00011	<4.36E-05	<2.30E-05	<1.14E-04	<4.36E-05	<7.68E-05	<1.00E-04	<4.36E-05
T-309	0.00077	<2.00E-05	0.00024	<4.66E-05	<7.55E-05	0.00016	<2.44E-05	<1.03E-05	<3.55E-05	0.00011	<2.94E-05	<1.55E-05	0.00026	<2.94E-05	<5.18E-05	<7.67E-05	<2.94E-05
T-310	0.00371	0.00031	0.00741	0.00075	<9.36E-05	<9.93E-05	<3.03E-05	<1.28E-05	<4.41E-05	0.00013	<3.65E-05	0.00084	0.00019	<3.65E-05	<6.43E-05	<8.39E-05	<3.65E-05
T-311	0.00226	0.00016	0.00458	0.00040	<1.09E-04	<1.15E-04	<3.52E-05	<1.48E-05	<5.12E-05	0.00015	<4.24E-05	0.00050	0.00039	<4.24E-05	<7.47E-05	<9.74E-05	<4.24E-05
T-312	0.12799	0.19675	0.00809	0.05251	0.00890	0.06508	0.03833	0.02606	0.03825	0.00070	0.00835	0.00223	0.00127	0.00426	0.00229	0.00448	0.00328
T-313	0.00092	<1.78E-05	0.00029	0.00015	0.00279	0.00036	<2.17E-05	<9.15E-06	0.00008	0.00010	<2.62E-05	0.00012	0.00015	<2.62E-05	<4.60E-05	<6.01E-05	<2.62E-05
T-314	<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05	<6.77E-05	<2.95E-05
T-401	0.00063	<3.25E-05	<7.30E-05	<1.05E-04	<1.23E-04	<1.30E-04	<3.97E-05	<1.67E-05	<5.78E-05	<1.90E-05	<4.79E-05	<2.53E-05	<1.25E-04	<4.79E-05	<8.43E-05	<1.10E-04	<4.79E-05
T-402	0.00048	<2.79E-05	<6.27E-05	<9.03E-05	<1.05E-04	<1.12E-04	<3.41E-05	<1.44E-05	<4.96E-05	<1.63E-05	<4.11E-05	<2.17E-05	<1.07E-04	<4.11E-05	<7.23E-05	<9.44E-05	<4.11E-05
T-403	<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05	<6.77E-05	<2.95E-05
T-404	<1.69E-04	<4.14E-05	<9.30E-05	<1.34E-04	<1.56E-04	<1.66E-04	<5.06E-05	<2.13E-05	<7.37E-05	<2.42E-05	<6.10E-05	<3.22E-05	<1.59E-04	<6.10E-05	<1.07E-04	<	

Table 3
Chiquita Canyon
TO-15 Compound

[illegible]

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
	MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5	
	4-Ethyltoluene																	
	Naphthalene																	
	Octane																	
	Chloromethane																	
	Cyclohexane																	
	Hexane																	
	t-Butyl alcohol																	
	Trichloroethene (TCE)																	
	Carbon disulfide																	
	Tetrachloroethene (PCE)																	
	2-Hexanone																	
	1,3,5-Trimethylbenzene																	
	Styrene																	
	Dichlorodifluoromethane																	
	1,2-Dichlorotetrafluoroethane																	
	Vinyl chloride																	
MDL (ppbv)																		
T-101		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-102		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-103		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-104		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-105		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-106		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-107		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-108		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-109		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-110		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-111		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-112		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-113		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-114		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-201		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-202		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-203		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-204		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-205		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-206		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-207		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-208		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-209		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-210		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-211		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-212		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-213		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-214		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-301		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-302		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-303		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-304		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-305		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-306		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-307		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-308		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-309		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-310		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-311		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-312		4	10	2	3	1	2	2	0.5	2	0.5	2	4	3	3	2	1.01	
T-313		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-314		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-401		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-402		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-403		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-404		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-405		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-406		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-407		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-408		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-409		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-410		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-501		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-502		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-503		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-504		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-505		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-506		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-507		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-508		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-509		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-510		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-601		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-602		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-603		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17	
T-604		0.67	1.67</															

Table 3 TO-15 Compounds

Shaded compounds are all ND

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Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
		MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5
	4-Ethyltoluene																	
	Naphthalene																	
	Octane																	
	Chloromethane																	
	Cyclohexane																	
	Hexane																	
	t-Butyl alcohol																	
	Trichloroethene (TCE)																	
	Carbon disulfide																	
	Tetrachloroethene (PCE)																	
	2-Hexanone																	
	1,3,5-Trimethylbenzene																	
	Styrene																	
	Dichlorodifluoromethane																	
	1,2-Dichlorotetrafluoroethane																	
	Vinyl chloride																	
Data Used (ug/l)																		
T-101			<1.62E+00	<4.32E+00	<7.60E-01	<5.09E-01	<2.89E-01	<5.74E-01	<4.93E-01	<2.12E-01	<5.07E-01	<2.68E-01	<6.67E-01	<1.62E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.14E-01
T-102			<1.63E+00	<4.34E+00	<7.63E-01	<5.11E-01	<2.90E-01	<5.76E-01	<4.95E-01	<2.13E-01	<5.08E-01	<2.69E-01	<6.70E-01	<1.63E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.15E-01
T-103			<1.65E+00	<4.38E+00	<7.70E-01	<5.16E-01	<2.93E-01	<5.81E-01	<5.00E-01	<2.15E-01	<5.13E-01	<2.71E-01	<6.76E-01	<1.65E+00	<1.06E+00	<1.24E+00	<1.15E+00	<2.17E-01
T-104			4.78	<4.48E+00	3.54	<5.29E-01	<3.00E-01	<5.96E-01	9.59	<2.20E-01	<5.26E-01	<2.78E-01	<6.93E-01	3.57	<1.09E+00	<1.27E+00	<1.18E+00	<2.23E-01
T-105			<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-106			<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-107			<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-108			<1.57E+00	<4.17E+00	<7.33E-01	<4.91E-01	<2.79E-01	<5.54E-01	<4.76E-01	<2.05E-01	<4.89E-01	<2.58E-01	<6.43E-01	<1.57E+00	<1.01E+00	<1.18E+00	<1.10E+00	<2.07E-01
T-109			<1.56E+00	<4.14E+00	<7.28E-01	<4.88E-01	<2.77E-01	<5.50E-01	<4.72E-01	<2.03E-01	<4.85E-01	<2.56E-01	<6.39E-01	<1.56E+00	<1.01E+00	<1.17E+00	<1.09E+00	<2.05E-01
T-110			<1.60E+00	<4.24E+00	<7.47E-01	<5.00E-01	<2.84E-01	<5.64E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.63E-01	<6.55E-01	<1.60E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-111			<1.54E+00	<4.10E+00	<7.22E-01	<4.84E-01	<2.74E-01	<5.45E-01	<4.68E-01	<2.01E-01	<4.81E-01	<2.54E-01	<6.33E-01	<1.54E+00	<9.98E-01	<1.16E+00	<1.08E+00	<2.03E-01
T-112			<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-113			<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-114			<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-201			<1.67E+00	<4.44E+00	<7.82E-01	<5.24E-01	<2.97E-01	<5.90E-01	<5.07E-01	<2.18E-01	<5.21E-01	<2.75E-01	<6.86E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-202			<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	<2.75E-01	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-203			<1.68E+00	<4.47E+00	<7.86E-01	<5.27E-01	<2.99E-01	<5.94E-01	<5.10E-01	<2.19E-01	<5.24E-01	<2.77E-01	<6.90E-01	<1.68E+00	<1.09E+00	<1.26E+00	<1.18E+00	<2.22E-01
T-204			<1.69E+00	<4.49E+00	<7.91E-01	<5.30E-01	<3.00E-01	<5.97E-01	<5.13E-01	<2.21E-01	<5.27E-01	<2.78E-01	<6.94E-01	<1.69E+00	<1.09E+00	<1.27E+00	<1.18E+00	<2.23E-01
T-205			<1.63E+00	<4.34E+00	<7.64E-01	<5.12E-01	<2.90E-01	<5.77E-01	<4.96E-01	<2.13E-01	<5.09E-01	<2.69E-01	<6.71E-01	<1.63E+00	<1.06E+00	<1.23E+00	<1.14E+00	<2.16E-01
T-206			<1.62E+00	<4.30E+00	<7.57E-01	<5.08E-01	<2.88E-01	<5.72E-01	<4.92E-01	<2.11E-01	<5.05E-01	<2.67E-01	<6.65E-01	<1.62E+00	<1.05E+00	<1.22E+00	<1.13E+00	<2.14E-01
T-207			<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-208			<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-209			<1.61E+00	<4.27E+00	<7.52E-01	<5.04E-01	<2.86E-01	<5.68E-01	<4.88E-01	<2.10E-01	<5.01E-01	<2.65E-01	<6.60E-01	<1.61E+00	<1.04E+00	<1.21E+00	<1.13E+00	<2.12E-01
T-210			<1.60E+00	<4.26E+00	<7.49E-01	<5.02E-01	<2.85E-01	<5.66E-01	<4.86E-01	<2.09E-01	<4.99E-01	<2.64E-01	<6.57E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.11E-01
T-211			<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-212			<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-213			<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-214			<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-301			<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	6.25	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-302			<1.70E+00	<4.52E+00	<7.95E-01	<5.33E-01	8.46	<6.00E-01	<5.16E-01	<2.22E-01	<5.30E-01	<2.80E-01	<6.98E-01	<1.70E+00	<1.10E+00	<1.28E+00	<1.19E+00	<2.24E-01
T-303			<1.66E+00	<4.42E+00	<7.79E-01	<5.22E-01	<2.96E-01	<5.88E-01	<5.05E-01	<2.17E-01	<5.19E-01	<2.74E-01	<6.83E-01	<1.66E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-304			<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	<2.75E-01	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-305			<1.53E+00	<4.08E+00	<7.18E-01	<4.81E-01	<2.73E-01	<5.42E-01	<4.66E-01	<2.00E-01	<4.78E-01	<2.53E-01	4.09	<1.53E+00	<9.93E-01	<1.15E+00	<1.07E+00	<2.02E-01
T-306			<1.56E+00	18.46	6.37	<4.89E-01	<2.77E-01	<5.51E-01	<4.73E-01	<2.03E-01	<4.86E-01	<2.57E-01	<6.40E-01	<1.56E+00	<1.01E+00	<1.17E+00	<1.09E+00	<2.06E-01
T-307			<1.55E+00	16.62	<7.27E-01	<4.87E-01	11.34	<5.49E-01	<4.72E-01	<2.03E-01	<4.84E-01	<2.56E-01	<6.38E-01	<1.55E+00	<1.00E+00	<1.17E+00	<1.09E+00	<2.05E-01
T-308			<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-309			<1.53E+00	<4.07E+00	<7.17E-01	<4.80E-01	<2.72E-01	<5.41E-01	<4.65E-01	<2.00E-01	<4.78E-01	<2.52E-01	<6.29E-01	<1.53E+00	<9.91E-01	<1.15E+00	<1.07E+00	<2.02E-01
T-310			<1.47E+00	<3.90E+00	<6.87E-01	26.83	<2.61E-01	<5.19E-01	<4.46E-01	<1.92E-01	<4.58E-01	<2.42E-01	<6.03E-01	<1.47E+00	<9.50E-01	<1.10E+00	<1.03E+00	<1.94E-01
T-311			<1.51E+00	<4.02E+00	<7.07E-01	<4.74E-01	<2.69E-01	<5.34E-01	<4.59E-01	<1.97E-01	<4.71E-01	<2.49E-01	<6.20E-01	<1.51E+00	<9.77E-01	<1.13E+00	<1.06E+00	<1.99E-01
T-312			77.01	<2.43E+01	64.48	<2.87E+00	<1.59E+00	<3.26E+00	<2.80E+0									

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound																						
		CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4					
		MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5					
Flux (mg/m ² -mi)																							
T-101		<1.46E-04	<3.87E-04	<6.82E-05	<4.57E-05	<2.59E-05	<5.15E-05	<4.43E-05	<1.90E-05	<4.54E-05	<2.40E-05	<5.98E-05	<1.46E-04	<9.43E-05	<1.09E-04	<1.02E-04	<1.92E-05						
T-102		<9.17E-05	<2.44E-04	<4.29E-05	<2.87E-05	<1.63E-05	<3.24E-05	<2.78E-05	<1.20E-05	<2.86E-05	<1.51E-05	<3.76E-05	<9.17E-05	<5.93E-05	<6.88E-05	<6.42E-05	<1.21E-05						
T-103		<1.24E-04	<3.31E-04	<5.82E-05	<3.90E-05	<2.21E-05	<4.40E-05	<3.78E-05	<1.62E-05	<3.88E-05	<2.05E-05	<5.11E-05	<1.24E-04	<8.05E-05	<9.34E-05	<8.72E-05	<1.64E-05						
T-104		0.00023	<2.13E-04	0.00017	<2.51E-05	<1.42E-05	<2.83E-05	0.00046	<1.05E-05	<2.50E-05	<1.32E-05	<3.29E-05	0.00017	<5.18E-05	<6.01E-05	<5.61E-05	<1.06E-05						
T-105		<6.93E-05	<1.84E-04	<3.24E-05	<2.17E-05	<1.23E-05	<2.45E-05	<2.10E-05	<9.04E-06	<2.16E-05	<1.14E-05	<2.84E-05	<6.93E-05	<4.48E-05	<5.20E-05	<4.85E-05	<9.14E-06						
T-106		<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<3.32E-05	<9.96E-06	<2.98E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05	<5.73E-05	<5.34E-05	<1.01E-05						
T-107		<1.01E-04	<2.68E-04	<4.71E-05	<3.16E-05	<1.79E-05	<3.56E-05	<3.06E-05	<1.31E-05	<3.14E-05	<1.66E-05	<4.13E-05	<1.01E-04	<6.51E-05	<7.56E-05	<7.05E-05	<1.33E-05						
T-108		<2.42E-04	<6.43E-04	<1.13E-04	<7.58E-05	<4.30E-05	<8.54E-05	<7.34E-05	<3.16E-05	<7.54E-05	<3.98E-05	<9.93E-05	<2.42E-04	<1.56E-04	<1.82E-04	<1.69E-04	<3.19E-05						
T-109		<7.53E-05	<2.00E-04	<3.53E-05	<2.36E-05	<1.34E-05	<2.66E-05	<2.29E-05	<9.83E-06	<2.35E-05	<1.24E-05	<3.09E-05	<7.53E-05	<4.87E-05	<5.65E-05	<5.28E-05	<9.94E-06						
T-110		<6.79E-05	<1.81E-04	<3.18E-05	<2.13E-05	<1.21E-05	<2.40E-05	<2.06E-05	<8.87E-06	<1.12E-05	<1.12E-05	<2.79E-05	<6.79E-05	<4.40E-05	<5.10E-05	<4.76E-05	<8.96E-06						
T-111		<4.55E-04	<1.21E-03	<2.13E-04	<1.34E-04	<8.10E-05	<1.61E-04	<1.38E-04	<5.95E-05	<1.42E-04	<7.50E-05	<1.87E-04	<4.55E-04	<2.95E-04	<3.42E-04	<3.19E-04	<6.01E-05						
T-112		<8.70E-05	<2.31E-04	<4.07E-05	<2.73E-05	<1.55E-05	<3.07E-05	<2.64E-05	<1.14E-05	<2.71E-05	<1.43E-05	<3.57E-05	<8.70E-05	<5.63E-05	<6.53E-05	<6.09E-05	<1.15E-05						
T-113		<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05	<5.73E-05	<5.34E-05	<1.01E-05						
T-114		<6.91E-05	<1.84E-04	<3.23E-05	<2.17E-05	<1.23E-05	<2.44E-05	<2.10E-05	<9.02E-06	<2.15E-05	<1.14E-05	<2.84E-05	<6.91E-05	<4.47E-05	<5.19E-05	<4.84E-05	<9.11E-06						
T-201		<7.81E-05	<2.08E-04	<3.66E-05	<2.45E-05	<1.39E-05	<2.76E-05	<2.37E-05	<1.02E-05	<2.44E-05	<1.29E-05	<3.21E-05	<7.81E-05	<5.06E-05	<5.87E-05	<5.47E-05	<1.03E-05						
T-202		<8.58E-05	<2.28E-04	<4.01E-05	<2.69E-05	<1.52E-05	<3.03E-05	<2.60E-05	<1.12E-05	<2.68E-05	<1.41E-05	<3.52E-05	<8.58E-05	<5.55E-05	<6.44E-05	<6.01E-05	<1.13E-05						
T-203		<6.58E-05	<1.75E-04	<3.08E-05	<2.06E-05	<1.17E-05	<2.32E-05	<2.00E-05	<8.59E-06	<2.05E-05	<1.08E-05	<2.70E-05	<6.58E-05	<4.26E-05	<4.94E-05	<4.61E-05	<8.68E-06						
T-204		<9.01E-05	<2.39E-04	<4.21E-05	<2.82E-05	<1.60E-05	<3.18E-05	<2.73E-05	<1.18E-05	<2.81E-05	<1.48E-05	<3.70E-05	<9.01E-05	<5.83E-05	<6.76E-05	<6.31E-05	<1.19E-05						
T-205		<7.07E-05	<1.88E-04	<3.31E-05	<2.22E-05	<1.26E-05	<2.50E-05	<2.15E-05	<9.22E-06	<2.20E-05	<1.16E-05	<2.90E-05	<7.07E-05	<4.57E-05	<5.30E-05	<4.95E-05	<3.32E-06						
T-206		<1.09E-04	<2.90E-04	<5.10E-05	<3.42E-05	<1.94E-05	<3.85E-05	<3.31E-05	<1.42E-05	<3.40E-05	<1.79E-05	<4.47E-05	<1.09E-04	<7.05E-05	<8.18E-05	<7.63E-05	<1.44E-05						
T-207		<7.10E-05	<1.89E-04	<3.32E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.27E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.10E-05	<4.60E-05	<5.33E-05	<4.97E-05	<9.37E-06						
T-208		<7.21E-05	<1.92E-04	<3.37E-05	<2.26E-05	<1.28E-05	<2.54E-05	<2.19E-05	<9.40E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.21E-05	<4.66E-05	<5.41E-05	<5.05E-05	<9.51E-06						
T-209		<6.83E-05	<1.82E-04	<3.20E-05	<2.14E-05	<1.21E-05	<2.41E-05	<2.07E-05	<8.91E-06	<2.13E-05	<1.12E-05	<2.80E-05	<6.83E-05	<4.42E-05	<5.13E-05	<4.78E-05	<9.01E-06						
T-210		<7.59E-05	<2.02E-04	<3.55E-05	<2.38E-05	<1.35E-05	<2.68E-05	<2.30E-05	<9.91E-06	<2.37E-05	<1.25E-05	<3.12E-05	<7.59E-05	<4.91E-05	<5.70E-05	<5.32E-05	<1.00E-05						
T-211		<7.11E-05	<1.89E-04	<3.33E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.28E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.11E-05	<4.60E-05	<5.33E-05	<4.98E-05	<9.38E-06						
T-212		<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05	<4.92E-05	<4.59E-05	<8.64E-06						
T-213		<7.36E-05	<1.96E-04	<3.44E-05	<2.31E-05	<1.31E-05	<2.60E-05	<2.23E-05	<9.60E-06	<2.29E-05	<1.21E-05	<3.02E-05	<7.36E-05	<4.76E-05	<5.52E-05	<5.15E-05	<9.70E-06						
T-214		<7.57E-05	<2.01E-04	<3.54E-05	<2.37E-05	<1.34E-05	<2.67E-05	<2.30E-05	<9.88E-06	<2.36E-05	<1.25E-05	<3.11E-05	<7.57E-05	<4.89E-05	<5.68E-05	<5.30E-05	<9.98E-06						
T-301		<1.20E-04	<3.19E-04	<5.61E-05	<3.76E-05	<2.13E-05	<4.24E-05	<3.64E-05	<1.57E-05	<3.74E-05	0.00045	<4.93E-05	<1.20E-04	<7.76E-05	<9.00E-05	<8.40E-05	<1.58E-05						
T-302		<6.63E-05	<1.76E-04	<3.10E-05	<2.08E-05	0.00033	<2.34E-05	<2.01E-05	<8.66E-06	<2.07E-05	<1.09E-05	<2.72E-05	<6.63E-05	<4.29E-05	<4.98E-05	<4.65E-05	<7.75E-06						
T-303		<7.17E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.27E-05	<2.53E-05	<2.18E-05	<9.36E-06	<2.24E-05	<1.18E-05	<2.94E-05	<7.17E-05	<4.64E-05	<5.38E-05	<5.02E-05	<9.46E-06						
T-304		<8.21E-05	<2.18E-04	<3.84E-05	<2.57E-05	<1.46E-05	<2.90E-05	<2.49E-05	<1.07E-05	<2.56E-05	<1.35E-05	<3.37E-05	<8.21E-05	<5.31E-05	<6.16E-05	<5.75E-05	<1.08E-05						
T-305		<1.26E-04	<3.34E-04	<5.89E-05	<3.94E-05	<2.24E-05	<4.44E-05	<3.82E-05	<1.64E-05	<3.92E-05	<2.07E-05	0.00034	<1.26E-04	<8.14E-05	<9.44E-05	<8.81E-05	<1.66E-05						
T-306		<2.68E-04	0.00318	0.00110	<8.41E-05	<4.77E-05	<9.47E-05	<8.14E-05	<3.50E-05	<8.36E-05	<4.42E-05	<1.10E-04	<2.68E-04	<1.73E-04	<2.01E-04	<1.88E-04	<3.54E-05						
T-307		<9.57E-05	0.00102	<4.48E-05	<3.00E-05	0.00070	<3.38E-05	<2.90E-05	<1.25E-05	<2.98E-05	<1.58E-05	<3.93E-05	<9.57E-05	<6.19E-05	<7.18E-05	<6.70E-05	<1.26E-05						
T-308		<1.00E-04	<2.67E-04	<4.69E-05	<3.14E-05	<1.78E-05	<3.54E-05	<3.04E-05	<1.31E-05	<3.13E-05	<1.65E-05	<4.12E-05	<1.00E-04	<6.49E-05	<7.53E-05	<7.02E-05	<1.32E-05						
T-309		<6.76E-05	<1.80E-04	<3.16E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.05E-05	<8.82E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.76E-05	<4.37E-05	<5.07E-05	<4.73E-05	<8.92E-06						
T-310		<8.39E-05	<2.23E-04	<3.93E-05	0.00153	<1.49E-05	<2.96E-05	<2.55E-05	<1.09E-05	<2.62E-05	<1.38E-05	<3.44E-05	<8.39E-05	<5.43E-05	<6.30E-05	<5.87E-05	<1.11E-05						
T-311		<9.74E-05	<2.59E-04	<4.56E-05	<3.05E-05	<1.73E-05	<3.44E-05	<2.96E-05	<1.27E-05	<3.04E-05	<1.60E-05	<4.00E-05	<9.74E-05	<6.30E-05	<7.31E-05	<6.82E-05	<1.29E-05						
T-312		0.00382	<1.20E-03	0.00320	<1.42E-04	<7.90E-05	<1.62E-04	<1.39E-04	<6.16E-05	<1.43E-04	<7.78E-05	<1.88E-04	<4.51E-04	<2.93E-04	<3.40E-04	<3.21E-04	<5.92E-05						
T-313		<6.01E-05	<1.60E-04	<2.81E-05	<1.88E-05	<1.07E-05	<2.12E-05	<1.82E-05	<7.84E-06	<1.87E-05	<9.90E-06	<2.47E-05	<6.01E-05	<3.89E-05	<4.51E-05	<4.21E-05	<7.93E-06						
T-314		<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.83E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05	<5.08E-05	<4.74E-05	<8.93E-06						
T-401		<1.10E-04	<2.92E-04	<5.15E-05	<3.45E-05	<1.96E-05	<3.89E-05	<3.34E-05	<1.44E-05	<3.43E-05	<1.81E-05	<4.52E-05	<1.10E-04	<7.12E-05	<8.26E-05	<7.70E-05	<1.45E-05						
T-402		<9.44E-05	<2.51E-04	<4.42E-05	<2.96E-05	<1.68E-05	<3.34E-05	<2.87E-05	<1.23E-05	<2.94E-05	<1.56E-05	<3.88E-05	<9.44E-05	<6.11E-05	<7.09E-05	<6.61E-05	<1.25E-05						
T-403		<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.84E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05	<5.08E-05	<4.74E-05	<8.93E-06						
T-404		<1.40E-04	<3.73E-04	<6.56E-05	<4.39E-05	<2.49E-05	0.00260	<4.26E-05	<1.83E-05	<4.37E-05	<2.31E-05	<5.75E-05	<1.40E-04	<9.07E-05	<1.05E-04	<9.81E-05	<1.85E-05						
T-405		<7.14E-05	<1.90E-04	<3.34E-05	<2.24E-05	<1.27E-05	<2.52E-05	<2.17E-05	<9.33E-06	<2.23E-05	<												

Table 3
Chiquita Canyon
TO-15 Compound[illegible]

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	MDL (ppbv)
	1,3-Butadiene	106-99-0	54.1	
	Bromomethane	74-83-9	94.9	
	Chloroethane	75-00-3	64.5	
	Trichlorofluoromethane	75-69-4	137.4	
	2-propanol (isopropylalcohol)	67-63-0	60.1	
	Methyl iodide	4227-95-6	142.9	
	1,1-Dichloroethene	75-35-4	96.9	
	Acrylonitrile	107-13-1	53.1	
	1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	
	Allyl chloride	107-05-1	76.5	
	Methylene chloride	75-09-2	84.9	
	trans-1,2-Dichloroethene	156-60-5	96.9	
	Methyl tert butyl ether	1634-04-4	88.1	
	Propionitrile	107-12-0	55.1	
	1,1-Dichloroethane	75-34-3	99	
T-101				0.17
T-102				0.17
T-103				0.17
T-104				0.17
T-105				0.17
T-106				0.17
T-107				0.17
T-108				0.17
T-109				0.17
T-110				0.17
T-111				0.17
T-112				0.17
T-113				0.17
T-114				0.17
T-201				0.17
T-202				0.17
T-203				0.17
T-204				0.17
T-205				0.17
T-206				0.17
T-207				0.17
T-208				0.17
T-209				0.17
T-210				0.17
T-211				0.17
T-212				0.17
T-213				0.17
T-214				0.17
T-301				0.17
T-302				0.17
T-303				0.17
T-304				0.17
T-305				0.17
T-306				0.17
T-307				0.17
T-308				0.17
T-309				0.17
T-310				0.17
T-311				0.17
T-312	1.01	2	2	4
T-313	0.17	0.33	0.33	0.67
T-314	0.17	0.33	0.33	0.67
T-401	0.17	0.33	0.33	0.67
T-402	0.17	0.33	0.33	0.67
T-403	0.17	0.33	0.33	0.67
T-404	0.17	0.33	0.33	0.67
T-405	0.17	0.33	0.33	0.67
T-406	0.17	0.33	0.33	0.67
T-407	0.17	0.33	0.33	0.67
T-408	0.17	0.33	0.33	0.67
T-409	0.17	0.33	0.33	0.67
T-410	0.17	0.33	0.33	0.67
T-501	0.17	0.33	0.33	0.67
T-502	0.17	0.33	0.33	0.67
T-503	0.17	0.33	0.33	0.67
T-504	0.17	0.33	0.33	0.67
T-505	0.17	0.33	0.33	0.67
T-506	0.17	0.33	0.33	0.67
T-507	0.17	0.33	0.33	0.67
T-508	0.17	0.33	0.33	0.67
T-509	0.17	0.33	0.33	0.67
T-510	0.17	0.33	0.33	0.67
T-601	0.17	0.33	0.33	0.67
T-602	0.17	0.33	0.33	0.67
T-603	0.17	0.33	0.33	0.67
T-604	0.17	0.33	0.33	0.67
T-605	0.17	0.33	0.33	0.67
T-606	0.17	0.33	0.33	0.67
T-607	0.17	0.33	0.33	0.67
T-608	0.17	0.33	0.33	0.67
T-609	0.17	0.33	0.33	0.67
T-610	0.17	0.33	0.33	0.67

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compou

Sample Number	Compound	CAS																
			1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethane	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane	
			106-99-0	74-83-9	75-00-3	75-69-4	67-63-0	4227-95-6	75-35-4	107-13-1	76-13-1	107-05-1	75-09-2	156-60-5	1634-04-4	107-12-0	75-34-3	
MW	54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99			
Data Used (ug/l)																		
T-101			<1.86E-01	<6.32E-01	<4.29E-01	<9.15E-01	<8.12E-01	<9.51E-01	<3.32E-01	<7.18E-01	<6.43E-01	<2.62E-01	<2.91E-01	<3.32E-01	<5.87E-01	<9.23E-01	<3.40E-01	
T-102			<1.86E-01	<6.34E-01	<4.31E-01	<9.18E-01	<8.15E-01	<9.55E-01	<3.34E-01	<7.20E-01	<6.45E-01	<2.63E-01	<2.92E-01	<3.34E-01	<5.89E-01	<9.26E-01	<3.41E-01	
T-103			<1.88E-01	<6.40E-01	<4.35E-01	<9.27E-01	<8.23E-01	<9.64E-01	<3.37E-01	<7.27E-01	<6.51E-01	<2.66E-01	<2.95E-01	<3.37E-01	<5.94E-01	<9.35E-01	<3.44E-01	
T-104			<1.93E-01	<6.56E-01	<4.46E-01	<9.50E-01	<8.43E-01	<9.88E-01	<3.45E-01	<7.45E-01	<6.67E-01	<2.72E-01	<3.02E-01	<3.45E-01	<6.09E-01	<9.58E-01	<3.52E-01	
T-105			<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01	
T-106			<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01	
T-107			<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	
T-108			<1.79E-01	<6.09E-01	<4.14E-01	<8.82E-01	<7.84E-01	<9.18E-01	<3.21E-01	<6.92E-01	<6.20E-01	<2.53E-01	<2.81E-01	<3.21E-01	<5.66E-01	<8.90E-01	<3.27E-01	
T-109			<1.78E-01	<6.05E-01	<4.11E-01	<8.76E-01	<7.78E-01	<9.11E-01	<3.18E-01	<6.87E-01	<6.16E-01	<2.51E-01	<2.79E-01	<3.18E-01	<5.62E-01	<8.84E-01	<3.25E-01	
T-110			<1.82E-01	<6.20E-01	<4.22E-01	<8.98E-01	<7.98E-01	<9.34E-01	<3.26E-01	<7.05E-01	<6.31E-01	<2.58E-01	<2.86E-01	<3.26E-01	<5.76E-01	<9.06E-01	<3.33E-01	
T-111			<1.76E-01	<6.00E-01	<4.08E-01	<8.68E-01	<7.71E-01	<9.03E-01	<3.15E-01	<6.81E-01	<6.10E-01	<2.49E-01	<2.76E-01	<3.15E-01	<5.57E-01	<8.76E-01	<3.22E-01	
T-112			<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	
T-113			<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	
T-114			<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01	
T-201			<1.91E-01	<6.50E-01	<4.42E-01	<9.41E-01	<8.35E-01	<9.78E-01	<3.42E-01	<7.38E-01	<6.61E-01	<2.70E-01	<2.99E-01	<3.42E-01	<6.03E-01	<9.49E-01	<3.49E-01	
T-202			<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	
T-203			<1.92E-01	<6.53E-01	<4.44E-01	<9.46E-01	<8.40E-01	<9.84E-01	<3.44E-01	<7.42E-01	<6.65E-01	<2.71E-01	<3.01E-01	<3.44E-01	<6.07E-01	<9.54E-01	<3.51E-01	
T-204			<1.93E-01	<6.57E-01	<4.47E-01	<9.51E-01	<8.45E-01	<9.90E-01	<3.46E-01	<7.47E-01	<6.69E-01	<2.73E-01	<3.03E-01	<3.46E-01	<6.10E-01	<9.60E-01	<3.53E-01	
T-205			<1.87E-01	<6.35E-01	<4.32E-01	<9.20E-01	<8.17E-01	<9.57E-01	<3.34E-01	<7.22E-01	<6.46E-01	<2.64E-01	<2.93E-01	<3.34E-01	<5.90E-01	<9.28E-01	<3.41E-01	
T-206			<1.85E-01	<6.29E-01	<4.28E-01	<9.11E-01	<8.09E-01	<9.48E-01	<3.31E-01	<7.15E-01	<6.40E-01	<2.61E-01	<2.90E-01	<3.31E-01	<5.84E-01	<9.19E-01	<3.38E-01	
T-207			<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01	
T-208			<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01	
T-209			<1.84E-01	<6.25E-01	<4.25E-01	<9.05E-01	<8.03E-01	<9.41E-01	<3.29E-01	<7.10E-01	<6.36E-01	<2.59E-01	<2.88E-01	<3.29E-01	<5.80E-01	<9.13E-01	<3.36E-01	
T-210			<1.83E-01	<6.23E-01	<4.23E-01	<9.01E-01	<8.01E-01	<9.38E-01	<3.28E-01	<7.07E-01	<6.33E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.78E-01	<9.09E-01	<3.35E-01	
T-211			<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01	
T-212			<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01	
T-213			<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01	
T-214			<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01	
T-301			<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	
T-302			<1.94E-01	<6.61E-01	<4.49E-01	<9.57E-01	<8.50E-01	<9.95E-01	<3.48E-01	<7.51E-01	<6.72E-01	<2.74E-01	<3.05E-01	<3.48E-01	<6.14E-01	<9.65E-01	<3.55E-01	
T-303			<1.90E-01	<6.47E-01	<4.40E-01	<9.37E-01	<8.32E-01	<9.75E-01	<3.40E-01	<7.35E-01	<6.58E-01	<2.69E-01	<2.98E-01	<3.40E-01	<6.01E-01	<9.45E-01	<3.48E-01	
T-304			<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	
T-305			<1.75E-01	<5.97E-01	<4.06E-01	<8.64E-01	<7.67E-01	<8.98E-01	<3.14E-01	<6.78E-01	<6.07E-01	<2.48E-01	<2.75E-01	<3.14E-01	<5.54E-01	<8.71E-01	<3.21E-01	
T-306			<1.78E-01	<6.06E-01	<4.12E-01	<8.78E-01	<7.79E-01	<9.13E-01	<3.19E-01	<6.89E-01	<6.17E-01	<2.52E-01	<2.79E-01	<3.19E-01	<5.63E-01	<8.85E-01	<3.26E-01	
T-307			<1.77E-01	<6.04E-01	<4.11E-01	<8.75E-01	<7.77E-01	<9.10E-01	<3.18E-01	<6.86E-01	<6.14E-01	<2.51E-01	<2.78E-01	<3.18E-01	<5.61E-01	<8.82E-01	<3.25E-01	
T-308			<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	
T-309			<1.75E-01	<5.96E-01	<4.05E-01	<8.62E-01	<7.66E-01	<8.97E-01	<3.13E-01	<6.77E-01	<6.06E-01	<2.47E-01	<2.75E-01	<3.13E-01	<5.53E-01	<8.70E-01	<3.20E-01	
T-310			<1.68E-01	<5.71E-01	<3.88E-01	<8.27E-01	<7.34E-01	<8.60E-01	<3.00E-01	<6.49E-01	<5.81E-01	<2.37E-01	<2.63E-01	<3.00E-01	<5.30E-01	<8.34E-01	<3.07E-01	
T-311			<1.73E-01	<5.87E-01	<3.99E-01	<8.51E-01	<7.55E-01	<8.85E-01	<3.09E-01	<6.67E-01	<5.98E-01	<2.44E-01	<2.71E-01	<3.09E-01	<5.45E-01	<8.58E-01	<3.16E-01	
T-312			<1.03E+00	<3.59E+00	<2.44E+00	<5.20E+00	<4.55E+00	<5.41E+00	<1.83E+00	<								

Table 3 TO-15 Compounds

Shaded compounds are all ND

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Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane
				54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99
T-101				<1.66E-05	<5.67E-05	<3.85E-05	<8.21E-05	<7.29E-05	<8.53E-05	<2.98E-05	<6.44E-05	<5.77E-05	<2.35E-05	<2.61E-05	<2.98E-05	<5.26E-05	<8.28E-05	<3.05E-05
T-102				<1.05E-05	<3.56E-05	<2.42E-05	<5.16E-05	<4.58E-05	<5.37E-05	<1.87E-05	<4.05E-05	<3.63E-05	<1.48E-05	<1.64E-05	<1.87E-05	<3.31E-05	<5.21E-05	<1.92E-05
T-103				<1.42E-05	<4.84E-05	<3.29E-05	<7.01E-05	<6.22E-05	<7.29E-05	<2.55E-05	<5.50E-05	<4.92E-05	<2.01E-05	<2.23E-05	<2.55E-05	<4.49E-05	<7.07E-05	<2.60E-05
T-104				<9.15E-06	<3.12E-05	<2.12E-05	<4.51E-05	<4.01E-05	<4.69E-05	<1.64E-05	<3.17E-05	<1.29E-05	<1.44E-05	<1.64E-05	<2.89E-05	<4.55E-05	<1.67E-05	<1.67E-05
T-105				<7.91E-06	<2.69E-05	<1.83E-05	<3.90E-05	<3.46E-05	<4.06E-05	<1.42E-05	<3.06E-05	<2.74E-05	<1.12E-05	<1.24E-05	<1.42E-05	<2.50E-05	<3.93E-05	<1.45E-05
T-106				<8.71E-06	<2.97E-05	<2.02E-05	<4.29E-05	<3.81E-05	<4.47E-05	<1.56E-05	<3.37E-05	<3.02E-05	<1.23E-05	<1.37E-05	<1.56E-05	<2.75E-05	<4.33E-05	<1.59E-05
T-107				<1.15E-05	<3.92E-05	<2.66E-05	<5.67E-05	<5.03E-05	<5.90E-05	<2.06E-05	<4.45E-05	<3.98E-05	<1.63E-05	<1.80E-05	<2.06E-05	<3.64E-05	<5.72E-05	<2.10E-05
T-108				<2.76E-05	<9.40E-05	<6.39E-05	<1.36E-04	<1.21E-04	<1.42E-04	<4.95E-05	<1.07E-04	<9.57E-05	<3.91E-05	<4.33E-05	<4.95E-05	<8.73E-05	<1.37E-04	<5.05E-05
T-109				<8.60E-06	<2.93E-05	<1.99E-05	<4.24E-05	<3.77E-05	<4.41E-05	<1.54E-05	<3.33E-05	<2.98E-05	<1.22E-05	<1.35E-05	<1.54E-05	<2.72E-05	<4.28E-05	<1.57E-05
T-110				<7.76E-06	<2.64E-05	<1.80E-05	<3.83E-05	<3.40E-05	<3.98E-05	<1.39E-05	<3.00E-05	<2.69E-05	<1.10E-05	<1.22E-05	<1.39E-05	<2.45E-05	<3.86E-05	<1.42E-05
T-111				<5.20E-05	<1.77E-04	<1.20E-04	<2.56E-04	<2.28E-04	<2.67E-04	<9.32E-05	<2.01E-04	<1.80E-04	<7.36E-05	<8.16E-05	<9.32E-05	<1.64E-04	<2.59E-04	<9.52E-05
T-112				<9.94E-06	<3.38E-05	<2.30E-05	<4.90E-05	<4.35E-05	<5.10E-05	<1.78E-05	<3.84E-05	<3.44E-05	<1.41E-05	<1.56E-05	<1.78E-05	<3.14E-05	<4.94E-05	<1.82E-05
T-113				<8.71E-06	<2.97E-05	<2.02E-05	<4.29E-05	<3.81E-05	<4.47E-05	<1.56E-05	<3.37E-05	<3.02E-05	<1.23E-05	<1.37E-05	<1.56E-05	<2.75E-05	<4.33E-05	<1.59E-05
T-114				<7.89E-06	<2.69E-05	<1.83E-05	<3.89E-05	<3.45E-05	<4.04E-05	<1.41E-05	<3.05E-05	<2.73E-05	<1.12E-05	<1.24E-05	<1.41E-05	<2.49E-05	<3.92E-05	<1.44E-05
T-201				<8.92E-06	<3.04E-05	<2.07E-05	<4.40E-05	<3.91E-05	<4.58E-05	<1.60E-05	<3.45E-05	<3.09E-05	<1.26E-05	<1.40E-05	<1.60E-05	<2.82E-05	<4.44E-05	<1.63E-05
T-202				<9.80E-06	<3.34E-05	<2.27E-05	<4.83E-05	<4.29E-05	<5.02E-05	<1.75E-05	<3.79E-05	<3.39E-05	<1.39E-05	<1.54E-05	<1.75E-05	<3.10E-05	<4.87E-05	<1.79E-05
T-203				<7.51E-06	<2.56E-05	<1.74E-05	<3.70E-05	<3.29E-05	<3.85E-05	<1.35E-05	<2.91E-05	<2.60E-05	<1.06E-05	<1.18E-05	<1.35E-05	<2.37E-05	<3.74E-05	<1.37E-05
T-204				<1.03E-05	<3.50E-05	<2.38E-05	<5.07E-05	<4.50E-05	<5.27E-05	<1.84E-05	<3.98E-05	<3.56E-05	<1.45E-05	<1.61E-05	<1.84E-05	<3.25E-05	<5.11E-05	<1.88E-05
T-205				<8.07E-06	<2.75E-05	<1.87E-05	<3.98E-05	<3.53E-05	<4.14E-05	<1.45E-05	<3.12E-05	<2.79E-05	<1.14E-05	<1.27E-05	<1.45E-05	<2.55E-05	<4.01E-05	<1.48E-05
T-206				<1.24E-05	<4.24E-05	<2.88E-05	<6.13E-05	<5.45E-05	<6.38E-05	<2.23E-05	<4.81E-05	<4.31E-05	<1.76E-05	<1.95E-05	<2.23E-05	<3.93E-05	<6.19E-05	<2.28E-05
T-207				<8.11E-06	<2.76E-05	<1.88E-05	<4.00E-05	<3.55E-05	<4.16E-05	<1.45E-05	<3.14E-05	<2.81E-05	<1.15E-05	<1.27E-05	<1.45E-05	<2.57E-05	<4.04E-05	<1.49E-05
T-208				<8.23E-06	<2.80E-05	<1.90E-05	<4.06E-05	<3.60E-05	<4.22E-05	<1.47E-05	<3.18E-05	<2.85E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.60E-05	<4.09E-05	<1.51E-05
T-209				<7.80E-06	<2.66E-05	<1.80E-05	<3.84E-05	<3.41E-05	<4.00E-05	<1.40E-05	<3.02E-05	<2.70E-05	<1.10E-05	<1.22E-05	<1.40E-05	<2.47E-05	<3.88E-05	<1.43E-05
T-210				<8.67E-06	<2.95E-05	<2.01E-05	<4.27E-05	<3.80E-05	<4.44E-05	<1.55E-05	<3.35E-05	<3.00E-05	<1.23E-05	<1.36E-05	<1.55E-05	<2.74E-05	<4.31E-05	<1.59E-05
T-211				<8.12E-06	<2.76E-05	<1.88E-05	<4.00E-05	<3.55E-05	<4.16E-05	<1.45E-05	<3.14E-05	<2.81E-05	<1.15E-05	<1.27E-05	<1.45E-05	<2.57E-05	<4.04E-05	<1.49E-05
T-212				<7.48E-06	<2.55E-05	<1.73E-05	<3.69E-05	<3.28E-05	<3.84E-05	<1.34E-05	<2.89E-05	<2.59E-05	<1.06E-05	<1.17E-05	<1.34E-05	<2.36E-05	<3.72E-05	<1.37E-05
T-213				<8.40E-06	<2.86E-05	<1.94E-05	<4.14E-05	<3.68E-05	<4.31E-05	<1.50E-05	<3.25E-05	<2.91E-05	<1.19E-05	<1.32E-05	<1.50E-05	<2.66E-05	<4.18E-05	<1.54E-05
T-214				<8.64E-06	<2.94E-05	<2.00E-05	<4.26E-05	<3.78E-05	<4.43E-05	<1.55E-05	<3.34E-05	<2.99E-05	<1.22E-05	<1.36E-05	<1.55E-05	<2.73E-05	<4.30E-05	<1.58E-05
T-301				<1.37E-05	<4.66E-05	<3.17E-05	<6.75E-05	<6.00E-05	<7.02E-05	<2.45E-05	<5.30E-05	<4.75E-05	<1.94E-05	<2.15E-05	<2.45E-05	<4.33E-05	<6.81E-05	<2.51E-05
T-302				<7.58E-06	<2.58E-05	<1.75E-05	<3.74E-05	<3.32E-05	<3.89E-05	<1.36E-05	<2.93E-05	<2.62E-05	<1.07E-05	<1.19E-05	<1.36E-05	<2.40E-05	<3.77E-05	<1.39E-05
T-303				<8.19E-06	<2.79E-05	<1.90E-05	<4.04E-05	<3.59E-05	<4.20E-05	<1.47E-05	<3.17E-05	<2.84E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.59E-05	<4.07E-05	<1.50E-05
T-304				<9.38E-06	<3.19E-05	<2.17E-05	<4.62E-05	<4.11E-05	<4.81E-05	<1.68E-05	<3.63E-05	<3.25E-05	<1.33E-05	<1.47E-05	<1.68E-05	<2.96E-05	<4.66E-05	<1.72E-05
T-305				<1.44E-05	<4.89E-05	<3.33E-05	<7.08E-05	<6.29E-05	<7.37E-05	<2.57E-05	<5.56E-05	<4.98E-05	<2.03E-05	<2.25E-05	<2.57E-05	<4.54E-05	<7.14E-05	<2.63E-05
T-306				<3.06E-05	<1.04E-04	<7.09E-05	<1.51E-04	<1.34E-04	<1.57E-04	<5.49E-05	<1.18E-04	<1.06E-04	<4.33E-05	<4.81E-05	<5.49E-05	<9.68E-05	<1.52E-04	<5.60E-05
T-307				<1.09E-05	<3.72E-05	<2.53E-05	<5.39E-05	<4.78E-05	<5.60E-05	<1.96E-05	<4.23E-05	<3.78E-05	<1.54E-05	<1.71E-05	<1.96E-05	<3.45E-05	<5.43E-05	<2.00E-05
T-308				<1.15E-05	<3.90E-05	<2.65E-05	<5.65E-05	<5.01E-05	<5.87E-05	<2.05E-05	<4.43E-05	<3.97E-05	<1.62E-05	<1.80E-05	<2.05E-05	<3.62E-05	<5.69E-05	<2.10E-05
T-309				<7.72E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.67E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-310				<9.58E-06	<3.26E-05	<2.22E-05	<4.72E-05	<4.19E-05	<4.91E-05	<1.72E-05	<3.71E-05	<3.32E-05	<1.35E-05	<1.50E-05	<1.72E-05	<3.03E-05	<4.76E-05	<1.75E-05
T-311				<1.11E-05	<3.79E-05	<2.58E-05	<5.49E-05	<4.87E-05	<5.70E-05	<1.99E-05	<4.30E-05	<3.85E-05	<1.57E-05	<1.75E-05	<1.99E-05	<3.52E-05	<5.53E-05	<2.04E-05
T-312				<5.13E-05	<1.78E-04	<1.21E-04	<2.58E-04	<2.25E-04	<2.68E-04	<9.09E-05	<1.99E-04	<1.76E-04	<7.18E-05	<7.96E-05	<9.09E-05	<1.65E-04	<2.58E-04	<9.29E-05
T-313				<6.86E-06	<2.34E-05	<1.59E-05	<3.38E-05	<3.00E-05	<3.52E-05	<1.23E-05	<2.65E-05	<2.38E-05	<9.70E-06	<1.08E-05	<1.23E-05	<2.17E-05	<3.41E-05	<1.26E-05
T-314				<7.73E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.68E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-401				<1.26E-05	<4.28E-05	<2.91E-05	<6.19E-05	<5.50E-05	<6.44E-05	<2.25E-05	<4.86E-05	<4.35E-05	<1.78E-05	<1.97E-05	<2.25E-05	<3.97E-05	<6.25E-05	<2.30E-05
T-402				<1.08E-05	<3.67E-05	<2.50E-05	<5.32E-05	<4.72E-05	<5.53E-05	<1.93E-05	<4.17E-05	<3.74E-05	<1.52E-05	<1.69E-05	<1.93E-05	<3.41E-05	<5.36E-05	<1.97E-05
T-403				<7.73E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.68E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-404				<1.60E-05	<5.45E-05	<3.70E-05	<7.89E-05	<7.01E-05	<8.21E-05	<2.87E-05	<6.19E-05	<5.54E-05	<2.26E-05	<2.51E-05	<2.87E-05	<5.06E-05	<7.96E-05	<2.93E-05
T-405				<8.16E-06	<2.78E-05	<1.89E-05	<4.02E-05	<3.57E-05	<4.18E-05	<1.46E-05	<3.16E-05	<2.83E-05	<1.15E-05	<1.28E-05	<1.46E-05	&		

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	Lab Data (ppbv)															
		CAS	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8
		MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
		Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	cis-1,2-Dichloroethene	2,2-Dichloropropane	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether	
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-601	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-602	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-603	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-604	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-605	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-606	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-607	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-608	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-609	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-610	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	MDL (ppbv)
	Ethyl tert butyl ether	637-92-3	102.2	
	Vinyl acetate	108-05-4	86.1	
	Diisopropyl ether	108-20-3	102.2	
	Methacrylonitrile	126-98-7	67.1	
	Bromochloromethane	74-97-5	129.4	
	Methyl acrylate	96-33-3	86.1	
	Isobutyl alcohol	78-83-1	74.1	
	cis-1,2-Dichloroethene	156-59-2	96.9	
	2,2-Dichloropropane	594-20-7	113	
	Chloroform	67-66-3	119.4	
	1,1,1-Trichloroethane	71-55-6	133.4	
	1,2-Dichloroethane	107-06-2	99	
	1,1-Dichloropropene	563-58-6	111	
	Carbon tetrachloride	56-23-5	153.8	
	t-Amyl methyl ether	994-05-8	102.2	
T-101				0.33
T-102				0.33
T-103				0.33
T-104				0.33
T-105				0.33
T-106				0.33
T-107				0.33
T-108				0.33
T-109				0.33
T-110				0.33
T-111				0.33
T-112				0.33
T-113				0.33
T-114				0.33
T-201				0.33
T-202				0.33
T-203				0.33
T-204				0.33
T-205				0.33
T-206				0.33
T-207				0.33
T-208				0.33
T-209				0.33
T-210				0.33
T-211				0.33
T-212				0.33
T-213				0.33
T-214				0.33
T-301				0.33
T-302				0.33
T-303				0.33
T-304				0.33
T-305				0.33
T-306				0.33
T-307				0.33
T-308				0.33
T-309				0.33
T-310				0.33
T-311				0.33
T-312	2	1	2	2
T-313	0.33	0.17	0.33	0.33
T-314	0.33	0.17	0.33	0.33
T-401	0.33	0.17	0.33	0.33
T-402	0.33	0.17	0.33	0.33
T-403	0.33	0.17	0.33	0.33
T-404	0.33	0.17	0.33	0.33
T-405	0.33	0.17	0.33	0.33
T-406	0.33	0.17	0.33	0.33
T-407	0.33	0.17	0.33	0.33
T-408	0.33	0.17	0.33	0.33
T-409	0.33	0.17	0.33	0.33
T-410	0.33	0.17	0.33	0.33
T-501	0.33	0.17	0.33	0.33
T-502	0.33	0.17	0.33	0.33
T-503	0.33	0.17	0.33	0.33
T-504	0.33	0.17	0.33	0.33
T-505	0.33	0.17	0.33	0.33
T-506	0.33	0.17	0.33	0.33
T-507	0.33	0.17	0.33	0.33
T-508	0.33	0.17	0.33	0.33
T-509	0.33	0.17	0.33	0.33
T-510	0.33	0.17	0.33	0.33
T-601	0.33	0.17	0.33	0.33
T-602	0.33	0.17	0.33	0.33
T-603	0.33	0.17	0.33	0.33
T-604	0.33	0.17	0.33	0.33
T-605	0.33	0.17	0.33	0.33
T-606	0.33	0.17	0.33	0.33
T-607	0.33	0.17	0.33	0.33
T-608	0.33	0.17	0.33	0.33
T-609	0.33	0.17	0.33	0.33
T-610	0.33	0.17	0.33	0.33

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	Chemical Compound																															
		Ethyl tert butyl ether		Vinyl acetate		Diisopropyl ether		Methacrylonitrile		Bromochloromethane		Methyl acrylate		Isobutyl alcohol		cis-1,2-Dichloroethene		2,2-Dichloropropane		Chloroform		1,1,1-Trichloroethane		1,2-Dichloroethane		1,1-Dichloropropene		Carbon tetrachloride		t-Amyl methyl ether			
		CAS	637-92-3	108-05-4	108-20-3	126-99-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8	MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
Flux (mg/m2-mi)																																	
T-101		<6.10E-05	<2.65E-05	<6.10E-05	<4.01E-05	<3.98E-05	<5.14E-05	<8.98E-05	<2.98E-05	<3.48E-05	<3.67E-05	<4.10E-05	<3.05E-05	<3.41E-05	<4.73E-05	<6.10E-05																	
T-102		<3.84E-05	<1.67E-05	<3.84E-05	<2.52E-05	<2.50E-05	<3.23E-05	<5.65E-05	<1.87E-05	<2.19E-05	<2.31E-05	<2.58E-05	<1.92E-05	<2.15E-05	<2.98E-05	<3.84E-05																	
T-103		<5.21E-05	<2.26E-05	<5.21E-05	<3.42E-05	<3.40E-05	<4.39E-05	<7.67E-05	<2.55E-05	<2.97E-05	<3.14E-05	<3.50E-05	<2.60E-05	<2.92E-05	<4.04E-05	<5.21E-05																	
T-104		<3.36E-05	<1.46E-05	<3.36E-05	<2.20E-05	<2.19E-05	<2.83E-05	<4.94E-05	<1.64E-05	<1.91E-05	<2.02E-05	<2.26E-05	<1.67E-05	<1.88E-05	<2.60E-05	<3.36E-05																	
T-105		<2.90E-05	<1.26E-05	<2.90E-05	<1.90E-05	<1.89E-05	<2.44E-05	<4.27E-05	<1.42E-05	<1.65E-05	<1.75E-05	<1.95E-05	<1.45E-05	<1.62E-05	<2.25E-05	<2.90E-05																	
T-106		<3.19E-05	<1.39E-05	<3.19E-05	<2.10E-05	<2.08E-05	<2.69E-05	<4.70E-05	<1.56E-05	<1.82E-05	<1.92E-05	<2.15E-05	<1.59E-05	<1.79E-05	<2.48E-05	<3.19E-05																	
T-107		<4.22E-05	<1.83E-05	<4.22E-05	<2.77E-05	<2.75E-05	<3.55E-05	<6.21E-05	<2.06E-05	<2.40E-05	<2.54E-05	<2.84E-05	<2.10E-05	<2.36E-05	<3.27E-05	<4.22E-05																	
T-108		<1.01E-04	<4.40E-05	<1.01E-04	<6.65E-05	<6.61E-05	<8.53E-05	<1.49E-04	<4.95E-05	<5.77E-05	<6.10E-05	<6.81E-05	<5.05E-05	<5.67E-05	<7.85E-05	<1.01E-04																	
T-109		<3.15E-05	<1.37E-05	<3.15E-05	<2.07E-05	<2.06E-05	<2.66E-05	<4.64E-05	<1.54E-05	<1.80E-05	<1.90E-05	<2.12E-05	<1.57E-05	<1.77E-05	<2.45E-05	<3.15E-05																	
T-110		<2.85E-05	<1.23E-05	<2.85E-05	<1.87E-05	<1.86E-05	<2.40E-05	<4.19E-05	<1.39E-05	<1.62E-05	<1.71E-05	<1.91E-05	<1.42E-05	<1.59E-05	<2.21E-05	<2.85E-05																	
T-111		<1.91E-04	<8.28E-05	<1.91E-04	<1.25E-04	<1.24E-04	<1.61E-04	<2.81E-04	<9.32E-05	<1.09E-04	<1.15E-04	<1.28E-04	<9.52E-05	<1.07E-04	<1.48E-04	<1.91E-04																	
T-112		<3.64E-05	<1.58E-05	<3.64E-05	<2.39E-05	<2.38E-05	<3.07E-05	<5.37E-05	<1.78E-05	<2.08E-05	<2.19E-05	<2.45E-05	<1.82E-05	<2.04E-05	<2.83E-05	<3.64E-05																	
T-113		<3.19E-05	<1.39E-05	<3.19E-05	<2.10E-05	<2.08E-05	<2.69E-05	<4.70E-05	<1.56E-05	<1.82E-05	<1.92E-05	<2.15E-05	<1.59E-05	<1.79E-05	<2.48E-05	<3.19E-05																	
T-114		<2.89E-05	<1.26E-05	<2.89E-05	<1.90E-05	<1.89E-05	<2.44E-05	<4.26E-05	<1.41E-05	<1.65E-05	<1.74E-05	<1.95E-05	<1.44E-05	<1.62E-05	<2.24E-05	<2.89E-05																	
T-201		<3.27E-05	<1.42E-05	<3.27E-05	<2.15E-05	<2.13E-05	<2.76E-05	<4.82E-05	<1.60E-05	<1.86E-05	<1.97E-05	<2.20E-05	<1.63E-05	<1.83E-05	<2.54E-05	<3.27E-05																	
T-202		<3.59E-05	<1.56E-05	<3.59E-05	<2.36E-05	<2.34E-05	<3.03E-05	<5.29E-05	<1.75E-05	<2.05E-05	<2.16E-05	<2.42E-05	<1.79E-05	<2.01E-05	<2.79E-05	<3.59E-05																	
T-203		<2.75E-05	<1.20E-05	<2.75E-05	<1.81E-05	<1.80E-05	<2.32E-05	<4.05E-05	<1.35E-05	<1.57E-05	<1.66E-05	<1.85E-05	<1.37E-05	<1.54E-05	<2.14E-05	<2.75E-05																	
T-204		<3.77E-05	<1.64E-05	<3.77E-05	<2.48E-05	<2.46E-05	<3.18E-05	<5.55E-05	<1.84E-05	<2.15E-05	<2.27E-05	<2.54E-05	<1.88E-05	<2.11E-05	<2.92E-05	<3.77E-05																	
T-205		<2.96E-05	<1.28E-05	<2.96E-05	<1.94E-05	<1.93E-05	<2.49E-05	<4.36E-05	<1.45E-05	<1.69E-05	<1.78E-05	<1.99E-05	<1.48E-05	<1.66E-05	<2.29E-05	<2.96E-05																	
T-206		<4.56E-05	<1.98E-05	<4.56E-05	<3.00E-05	<2.98E-05	<3.84E-05	<6.72E-05	<2.23E-05	<2.60E-05	<2.75E-05	<3.07E-05	<2.28E-05	<2.55E-05	<3.54E-05	<4.56E-05																	
T-207		<2.97E-05	<1.29E-05	<2.97E-05	<1.95E-05	<1.94E-05	<2.51E-05	<4.38E-05	<1.45E-05	<1.69E-05	<1.79E-05	<2.00E-05	<1.48E-05	<1.66E-05	<2.31E-05	<2.97E-05																	
T-208		<3.02E-05	<1.31E-05	<3.02E-05	<1.98E-05	<1.97E-05	<2.54E-05	<4.44E-05	<1.47E-05	<1.72E-05	<1.82E-05	<2.03E-05	<1.51E-05	<1.69E-05	<2.34E-05	<3.02E-05																	
T-209		<2.86E-05	<1.24E-05	<2.86E-05	<1.88E-05	<1.87E-05	<2.41E-05	<4.21E-05	<1.40E-05	<1.63E-05	<1.72E-05	<1.92E-05	<1.43E-05	<1.60E-05	<2.22E-05	<2.86E-05																	
T-210		<3.18E-05	<1.38E-05	<3.18E-05	<2.09E-05	<2.07E-05	<2.68E-05	<4.68E-05	<1.55E-05	<1.81E-05	<1.91E-05	<2.14E-05	<1.59E-05	<1.78E-05	<2.46E-05	<3.18E-05																	
T-211		<2.98E-05	<1.29E-05	<2.98E-05	<1.95E-05	<1.94E-05	<2.51E-05	<4.38E-05	<1.45E-05	<1.70E-05	<1.79E-05	<2.00E-05	<1.49E-05	<1.67E-05	<2.31E-05	<2.98E-05																	
T-212		<2.74E-05	<1.19E-05	<2.74E-05	<1.80E-05	<1.79E-05	<2.31E-05	<4.04E-05	<1.34E-05	<1.56E-05	<1.65E-05	<1.84E-05	<1.37E-05	<1.53E-05	<2.13E-05	<2.74E-05																	
T-213		<3.08E-05	<1.34E-05	<3.08E-05	<2.02E-05	<2.01E-05	<2.60E-05	<4.53E-05	<1.50E-05	<1.75E-05	<1.85E-05	<2.07E-05	<1.54E-05	<1.72E-05	<2.39E-05	<3.08E-05																	
T-214		<3.17E-05	<1.38E-05	<3.17E-05	<2.08E-05	<2.07E-05	<2.67E-05	<4.66E-05	<1.55E-05	<1.80E-05	<1.91E-05	<2.13E-05	<1.58E-05	<1.77E-05	<2.46E-05	<3.17E-05																	
T-301		<5.02E-05	<2.18E-05	<5.02E-05	<3.30E-05	<3.28E-05	<4.23E-05	<7.40E-05	<2.45E-05	<2.86E-05	<3.02E-05	<3.38E-05	<2.51E-05	<2.81E-05	<3.89E-05	<5.02E-05																	
T-302		<2.78E-05	<1.21E-05	<2.78E-05	<1.82E-05	<1.81E-05	<2.34E-05	<4.09E-05	<1.36E-05	<1.58E-05	<1.67E-05	<1.87E-05	<1.39E-05	<1.55E-05	<2.15E-05	<2.78E-05																	
T-303		<3.00E-05	<1.30E-05	<3.00E-05	<1.97E-05	<1.96E-05	<2.53E-05	<4.42E-05	<1.47E-05	<1.71E-05	<1.81E-05	<2.02E-05	<1.50E-05	<1.68E-05	<2.33E-05	<3.00E-05																	
T-304		<3.44E-05	<1.49E-05	<3.44E-05	<2.26E-05	<2.24E-05	<2.90E-05	<5.06E-05	<1.68E-05	<1.96E-05	<2.07E-05	<2.31E-05	<1.72E-05	<1.92E-05	<2.67E-05	<3.44E-05																	
T-305		<5.27E-05	<2.29E-05	<5.27E-05	<3.46E-05	<3.44E-05	<4.44E-05	<7.76E-05	<2.57E-05	<3.00E-05	<3.17E-05	<3.54E-05	<2.63E-05	<2.95E-05	<4.08E-05	<5.27E-05																	
T-306		<1.12E-04	<4.87E-05	<1.12E-04	<7.37E-05	<7.33E-05	<9.46E-05	<1.65E-04	<5.49E-05	<6.40E-05	<6.76E-05	<7.55E-05	<5.60E-05	<6.28E-05	<8.71E-05	<1.12E-04																	
T-307		<4.01E-05	<1.74E-05	<4.01E-05	<2.63E-05	<2.61E-05	<3.37E-05	<5.90E-05	<1.96E-05	<2.28E-05	<2.41E-05	<2.69E-05	<2.00E-05	<2.24E-05	<3.11E-05	<4.01E-05																	
T-308		<4.20E-05	<1.82E-05	<4.20E-05	<2.76E-05	<2.74E-05	<3.54E-05	<6.18E-05	<2.05E-05	<2.39E-05	<2.53E-05	<2.82E-05	<2.10E-05	<2.35E-05	<3.26E-05	<4.20E-05																	
T-309		<2.83E-05	<1.23E-05	<2.83E-05	<1.86E-05	<1.85E-05	<2.38E-05	<4.17E-05	<1.38E-05	<1.61E-05	<1.70E-05	<1.90E-05	<1.41E-05	<1.58E-05	<2.19E-05	<2.83E-05																	
T-310		<3.51E-05	<1.52E-05	<3.51E-05	<2.31E-05	<2.29E-05	<2.96E-05	<5.17E-05	<1.72E-05	<2.00E-05	<2.11E-05	<2.36E-05	<1.75E-05	<1.97E-05	<2.72E-05	<3.51E-05																	

[illegible]

Sample Number	Compound	MDL (ppbv)															
		CAS	540-84-1	142-82-5	78-87-5	123-91-1	74-95-3	75-27-4	80-62-6	108-10-1	10061-01-5	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4
		MW	114.2	100.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113	208.3	187.9
MDL (ppbv)																	
T-101		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-102		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-103		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-104		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-105		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-106		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-107		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-108		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-109		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-110		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-111		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-112		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-113		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-114		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-201		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-202		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-203		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-204		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-205		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-206		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-207		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-208		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-209		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-210		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-211		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-212		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-213		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-214		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-301		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-302		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-303		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-304		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-305		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-306		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-307		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-308		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-309		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-310		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-311		0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-312	1	2	1	2	1	1	1	2	2	1	1	1	2	1	2	2	
T-313	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-314	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-401	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-402	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-403	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-404	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-405	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-406	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-407	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-408	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-409	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-410	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-501	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-502	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-503	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-504	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-505	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-506	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-507	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-508	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-509	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-510	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-601	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-602	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-603	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-604	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-605	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-606	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-607	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-608	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-609	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	
T-610	0.17	0.33	0.17	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.17	0.17	0.33	0.17	0.33	0.33	

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compou

Sample Number	Compound	4-Methyl-2-pentanone (MIBK)																													
		2,2,4-Trimethylpentane		n-Heptane		1,2-Dichloropropane		1,4 Dioxane		Dibromomethane		Bromodichloromethane		Methyl methacrylate		cis-1,3-Dichloropropene		trans-1,3-Dichloropropene		1,1,2-Trichloroethane		Ethyl methacrylate		1,3-Dichloropropane		Dibromochloromethane		1,2-Dibromoethane (EDB)			
		CAS	MW	540-84-1	114.2	142-82-5	100.2	78-87-5	113	123-91-1	88.1	74-95-3	173.83	75-27-4	163.8	80-62-6	100.1	108-10-1	100.2	10061-01-5	111	10061-02-6	111	79-00-5	133.4	97-63-2	114.2	142-28-9	113	124-48-1	208.3
Data Used (ug/l)																															
T-101			<3.92E-01	<6.67E-01	<3.88E-01	<5.87E-01	<5.96E-01	<5.62E-01	<6.66E-01	<6.67E-01	<3.81E-01	<3.81E-01	<4.58E-01	<7.60E-01	<3.88E-01	<1.39E+00	<1.25E+00														
T-102			<3.93E-01	<6.70E-01	<3.89E-01	<5.89E-01	<5.98E-01	<5.64E-01	<6.69E-01	<6.70E-01	<3.82E-01	<3.82E-01	<4.59E-01	<7.63E-01	<3.89E-01	<1.39E+00	<1.26E+00														
T-103			<3.97E-01	<6.76E-01	<3.93E-01	<5.94E-01	<6.04E-01	<5.69E-01	<6.75E-01	<6.76E-01	<3.86E-01	<3.86E-01	<4.63E-01	<7.70E-01	<3.93E-01	<1.40E+00	<1.27E+00														
T-104			<4.07E-01	<6.93E-01	<4.02E-01	<6.09E-01	<6.19E-01	<5.83E-01	<6.92E-01	<6.93E-01	<3.95E-01	<3.95E-01	<4.75E-01	<7.89E-01	<4.02E-01	<1.44E+00	<1.30E+00														
T-105			<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00														
T-106			<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00														
T-107			<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00														
T-108			<3.78E-01	<6.43E-01	<3.74E-01	<5.66E-01	<5.75E-01	<5.42E-01	<6.43E-01	<6.43E-01	<3.67E-01	<3.67E-01	<4.41E-01	<7.33E-01	<3.74E-01	<1.34E+00	<1.21E+00														
T-109			<3.75E-01	<6.39E-01	<3.71E-01	<5.62E-01	<5.71E-01	<5.38E-01	<6.38E-01	<6.39E-01	<3.65E-01	<3.65E-01	<4.38E-01	<7.28E-01	<3.71E-01	<1.33E+00	<1.20E+00														
T-110			<3.85E-01	<6.55E-01	<3.81E-01	<5.76E-01	<5.85E-01	<5.52E-01	<6.54E-01	<6.55E-01	<3.74E-01	<3.74E-01	<4.49E-01	<7.47E-01	<3.81E-01	<1.36E+00	<1.23E+00														
T-111			<3.72E-01	<6.33E-01	<3.68E-01	<5.57E-01	<5.66E-01	<5.33E-01	<6.33E-01	<6.33E-01	<3.61E-01	<3.61E-01	<4.34E-01	<7.22E-01	<3.68E-01	<1.32E+00	<1.19E+00														
T-112			<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00														
T-113			<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00														
T-114			<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00														
T-201			<4.03E-01	<6.86E-01	<3.99E-01	<6.03E-01	<6.13E-01	<5.78E-01	<6.85E-01	<6.86E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.82E-01	<3.99E-01	<1.43E+00	<1.29E+00														
T-202			<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00														
T-203			<4.05E-01	<6.90E-01	<4.01E-01	<6.07E-01	<6.17E-01	<5.81E-01	<6.89E-01	<6.90E-01	<3.94E-01	<3.94E-01	<4.73E-01	<7.86E-01	<4.01E-01	<1.43E+00	<1.29E+00														
T-204			<4.07E-01	<6.94E-01	<4.03E-01	<6.10E-01	<6.20E-01	<5.84E-01	<6.93E-01	<6.94E-01	<3.96E-01	<3.96E-01	<4.76E-01	<7.91E-01	<4.03E-01	<1.44E+00	<1.30E+00														
T-205			<3.94E-01	<6.71E-01	<3.90E-01	<5.90E-01	<5.99E-01	<5.65E-01	<6.70E-01	<6.71E-01	<3.83E-01	<3.83E-01	<4.60E-01	<7.64E-01	<3.90E-01	<1.39E+00	<1.26E+00														
T-206			<3.90E-01	<6.65E-01	<3.86E-01	<5.84E-01	<5.94E-01	<5.60E-01	<6.64E-01	<6.65E-01	<3.79E-01	<3.79E-01	<4.56E-01	<7.57E-01	<3.86E-01	<1.38E+00	<1.25E+00														
T-207			<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00														
T-208			<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00														
T-209			<3.87E-01	<6.60E-01	<3.83E-01	<5.80E-01	<5.90E-01	<5.56E-01	<6.59E-01	<6.60E-01	<3.77E-01	<3.77E-01	<4.53E-01	<7.52E-01	<3.83E-01	<1.37E+00	<1.24E+00														
T-210			<3.86E-01	<6.57E-01	<3.82E-01	<5.78E-01	<5.88E-01	<5.54E-01	<6.57E-01	<6.57E-01	<3.75E-01	<3.75E-01	<4.51E-01	<7.49E-01	<3.82E-01	<1.37E+00	<1.23E+00														
T-211			<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00														
T-212			<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00														
T-213			<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00														
T-214			<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00														
T-301			<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00														
T-302			<4.10E-01	<6.98E-01	<4.05E-01	<6.14E-01	<6.24E-01	<5.88E-01	<6.97E-01	<6.98E-01	<3.98E-01	<3.98E-01	<4.79E-01	<7.95E-01	<4.05E-01	<1.45E+00	<1.31E+00														
T-303			<4.01E-01	<6.83E-01	<3.97E-01	<6.01E-01	<6.11E-01	<5.76E-01	<6.83E-01	<6.83E-01	<3.90E-01	<3.90E-01	<4.69E-01	<7.79E-01	<3.97E-01	<1.42E+00	<1.28E+00														
T-304			<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00														
T-305			<3.70E-01	<6.30E-01	<3.66E-01	<5.54E-01	<5.63E-01	<5.31E-01	<6.29E-01	<6.30E-01	<3.60E-01	<3.60E-01	<4.32E-01	<7.18E-01	<3.66E-01	<1.31E+00	<1.18E+00														
T-306			<3.76E-01	<6.40E-01	<3.72E-01	<5.63E-01	<5.72E-01	<5.39E-01	<6.39E-01	<6.40E-01	<3.65E-01	<3.65E-01	<4.39E-01	<7.29E-01	<3.72E-01	<1.33E+00	<1.20E+00														
T-307			<3.74E-01	<6.38E-01	<3.71E-01	<5.61E-01	<5.70E-01	<5.37E-01	<6.37E-01	<6.38E-01	<3.64E-01	<3.64E-01	<4.37E-01	<7.27E-01	<3.71E-01	<1.33E+00	<1.20E+00														
T-308			<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00														
T-309			<3.69E-01	<6.29E-01	<3.65E-01	<5.53E-01	<5.62E-01	<5.30E-01	<6.28E-01	<6.29E-01	<3.59E-01	<3.59E-01	<4.31E-01	<7.17E-01	<3.65E-01	<1.31E+00	<1.18E+00														
T-310			<3.54E-01	<6.03E-01	<3.50E-01	<5.30E-01	<5.39E-01	<5.08E-01	<6.02E-01	<6.03E-01	<3.44E-01	<3.44E-01	<4.13E-01	<6.87E-01	<3.50E-01	<1.25E+00	<1.13E+00														
T-311			<3.64E-01	<6.20E-01	<3.60E-01	<5.45E-01	<5.54E-01	<5.22E-01	<6.20E-01	<6.20E-01	<3.54E-01	<3.54E-01	<4.25E-01	<7.07E-01	<3.60E-01	<1.29E+00	<1.16E+00														
T-312			<2.16E+00	<3.79E+00	<2.14E+00																										

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	Flux (mg/m2-mi)
	2,2,4-Trimethylpentane	540-84-1	114.2	
	n-Heptane	142-82-5	100.2	
	1,2-Dichloropropane	78-87-5	113	
	1,4 Dioxane	123-91-1	88.1	
	Dibromomethane	74-95-3	173.83	
	Bromodichloromethane	75-27-4	163.8	
	Methyl methacrylate	80-62-6	100.1	
	4-Methyl-2-pentanone (MIBK)	108-10-1	100.2	
	cis-1,3-Dichloropropene	10061-01-5	111	
	trans-1,3-Dichloropropene	10061-02-6	111	
	1,1,2-Trichloroethane	79-00-5	133.4	
	Ethyl methacrylate	97-63-2	114.2	
	1,3-Dichloropropane	142-28-9	113	
	Dibromochloromethane	124-48-1	208.3	
	1,2-Dibromoethane (EDB)	106-93-4	187.9	
T-101				<3.51E-05
T-102				<2.21E-05
T-103				<3.00E-05
T-104				<1.93E-05
T-105				<1.67E-05
T-106				<1.84E-05
T-107				<2.43E-05
T-108				<5.83E-05
T-109				<1.82E-05
T-110				<1.64E-05
T-111				<1.10E-04
T-112				<2.10E-05
T-113				<1.84E-05
T-114				<1.67E-05
T-201				<1.88E-05
T-202				<2.07E-05
T-203				<1.59E-05
T-204				<2.17E-05
T-205				<1.70E-05
T-206				<2.63E-05
T-207				<1.71E-05
T-208				<1.74E-05
T-209				<1.65E-05
T-210				<1.83E-05
T-211				<1.71E-05
T-212				<1.58E-05
T-213				<1.77E-05
T-214				<1.82E-05
T-301				<2.89E-05
T-302				<1.60E-05
T-303				<1.73E-05
T-304				<1.98E-05
T-305				<3.03E-05
T-306				<6.46E-05
T-307				<2.31E-05
T-308				<2.42E-05
T-309				<1.63E-05
T-310				<2.02E-05
T-311				<2.35E-05
T-312				<1.07E-04
T-313				<1.45E-05
T-314				<1.63E-05
T-401				<2.65E-05
T-402				<2.28E-05
T-403				<1.63E-05
T-404				<3.38E-05
T-405				<1.72E-05
T-406				<2.15E-05
T-407				<1.58E-05
T-408				<1.84E-05
T-409				<1.80E-05
T-410				<1.56E-05
T-501				<1.76E-05
T-502				<1.86E-05
T-503				<1.73E-05
T-504				<1.94E-05
T-505				<1.91E-05
T-506				<1.79E-05
T-507				<2.00E-05
T-508				<2.38E-05
T-509				<1.69E-05
T-510				<1.73E-05
T-601				<2.04E-05
T-602				<1.91E-05
T-603				<2.38E-05
T-604				<1.74E-05
T-605				<3.52E-05
T-606				<1.87E-05
T-607				<3.24E-05
T-608				<4.07E-05
T-609				<3.74E-05
T-610				<1.74E-05

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	Lab Data (ppbv)
	Chlorobenzene	108-90-7	112.6	
	1,1,2-Tetrachloroethane	630-20-6	167.8	
	Bromoform	75-25-2	252.7	
	1,1,2,2-Tetrachloroethane	79-34-5	167.8	
	1,2,3-Trichloropropane	96-18-4	147.4	
	1,1,4-Dichloro-2-butene	110-57-6	125	
	n-Propylbenzene	103-65-1	120.2	
	Isopropylbenzene	98-82-8	120.2	
	tert-butyl benzene	98-06-6	134.2	
	n-Butylbenzene	538-93-2	134.2	
	sec-butylbenzene	135-98-8	134.2	
	1,3-Dichlorobenzene	541-73-1	147	
	Benzyl chloride	100-44-7	126.6	
	1,4-Dichlorobenzene	106-46-7	147	
	n-Butylbenzene	104-51-8	134.2	
T-101	ND	ND	ND	ND
T-102	ND	ND	ND	ND
T-103	ND	ND	ND	ND
T-104	ND	ND	ND	ND
T-105	ND	ND	ND	ND
T-106	ND	ND	ND	ND
T-107	ND	ND	ND	ND
T-108	ND	ND	ND	ND
T-109	ND	ND	ND	ND
T-110	ND	ND	ND	ND
T-111	ND	ND	ND	ND
T-112	ND	ND	ND	ND
T-113	ND	ND	ND	ND
T-114	ND	ND	ND	ND
T-201	ND	ND	ND	ND
T-202	ND	ND	ND	ND
T-203	ND	ND	ND	ND
T-204	ND	ND	ND	ND
T-205	ND	ND	ND	ND
T-206	ND	ND	ND	ND
T-207	ND	ND	ND	ND
T-208	ND	ND	ND	ND
T-209	ND	ND	ND	ND
T-210	ND	ND	ND	ND
T-211	ND	ND	ND	ND
T-212	ND	ND	ND	ND
T-213	ND	ND	ND	ND
T-214	ND	ND	ND	ND
T-301	ND	ND	ND	ND
T-302	ND	ND	ND	ND
T-303	ND	ND	ND	ND
T-304	ND	ND	ND	ND
T-305	ND	ND	ND	ND
T-306	ND	ND	ND	ND
T-307	ND	ND	ND	ND
T-308	ND	ND	ND	ND
T-309	ND	ND	ND	ND
T-310	ND	ND	ND	ND
T-311	ND	ND	ND	ND
T-312	ND	ND	ND	ND
T-313	ND	ND	ND	ND
T-314	ND	ND	ND	ND
T-401	ND	ND	ND	ND
T-402	ND	ND	ND	ND
T-403	ND	ND	ND	ND
T-404	ND	ND	ND	ND
T-405	ND	ND	ND	ND
T-406	ND	ND	ND	ND
T-407	ND	ND	ND	ND
T-408	ND	ND	ND	ND
T-409	ND	ND	ND	ND
T-410	ND	ND	ND	ND
T-501	ND	ND	ND	ND
T-502	ND	ND	ND	ND
T-503	ND	ND	ND	ND
T-504	ND	ND	ND	ND
T-505	ND	ND	ND	ND
T-506	ND	ND	ND	ND
T-507	ND	ND	ND	ND
T-508	ND	ND	ND	ND
T-509	ND	ND	ND	ND
T-510	ND	ND	ND	ND
T-601	ND	ND	ND	ND
T-602	ND	ND	ND	ND
T-603	ND	ND	ND	ND
T-604	ND	ND	ND	ND
T-605	ND	ND	ND	ND
T-606	ND	ND	ND	ND
T-607	ND	ND	ND	ND
T-608	ND	ND	ND	ND
T-609	ND	ND	ND	ND
T-610	ND	ND	ND	ND

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	MDL (ppbv)
	Chlorobenzene	108-90-7	112.6	
	1,1,2-Tetrachloroethane	630-20-6	167.8	
	Bromoform	75-25-2	252.7	
	1,1,2,2-Tetrachloroethane	79-34-5	167.8	
	1,2,3-Trichloropropane	96-18-4	147.4	
	1,1,4-Dichloro-2-butene	110-57-6	125	
	n-Propylbenzene	103-65-1	120.2	
	Isopropylbenzene	98-82-8	120.2	
	tert-butyl benzene	98-06-6	134.2	
	i-Butylbenzene	538-93-2	134.2	
	sec-butylbenzene	135-98-8	134.2	
	1,3-Dichlorobenzene	541-73-1	147	
	Benzyl chloride	100-44-7	126.6	
	1,4-Dichlorobenzene	106-46-7	147	
	n-Butylbenzene	104-51-8	134.2	
T-101				0.33
T-102				0.33
T-103				0.33
T-104				0.33
T-105				0.33
T-106				0.33
T-107				0.33
T-108				0.33
T-109				0.33
T-110				0.33
T-111				0.33
T-112				0.33
T-113				0.33
T-114				0.33
T-201				0.33
T-202				0.33
T-203				0.33
T-204				0.33
T-205				0.33
T-206				0.33
T-207				0.33
T-208				0.33
T-209				0.33
T-210				0.33
T-211				0.33
T-212				0.33
T-213				0.33
T-214				0.33
T-301				0.33
T-302				0.33
T-303				0.33
T-304				0.33
T-305				0.33
T-306				0.33
T-307				0.33
T-308				0.33
T-309				0.33
T-310				0.33
T-311				0.33
T-312	2	2	2	4
T-313	0.33	0.33	0.33	0.67
T-314	0.33	0.33	0.33	0.67
T-401	0.33	0.33	0.33	0.67
T-402	0.33	0.33	0.33	0.67
T-403	0.33	0.33	0.33	0.67
T-404	0.33	0.33	0.33	0.67
T-405	0.33	0.33	0.33	0.67
T-406	0.33	0.33	0.33	0.67
T-407	0.33	0.33	0.33	0.67
T-408	0.33	0.33	0.33	0.67
T-409	0.33	0.33	0.33	0.67
T-410	0.33	0.33	0.33	0.67
T-501	0.33	0.33	0.33	0.67
T-502	0.33	0.33	0.33	0.67
T-503	0.33	0.33	0.33	0.67
T-504	0.33	0.33	0.33	0.67
T-505	0.33	0.33	0.33	0.67
T-506	0.33	0.33	0.33	0.67
T-507	0.33	0.33	0.33	0.67
T-508	0.33	0.33	0.33	0.67
T-509	0.33	0.33	0.33	0.67
T-510	0.33	0.33	0.33	0.67
T-601	0.33	0.33	0.33	0.67
T-602	0.33	0.33	0.33	0.67
T-603	0.33	0.33	0.33	0.67
T-604	0.33	0.33	0.33	0.67
T-605	0.33	0.33	0.33	0.67
T-606	0.33	0.33	0.33	0.67
T-607	0.33	0.33	0.33	0.67
T-608	0.33	0.33	0.33	0.67
T-609	0.33	0.33	0.33	0.67
T-610	0.33	0.33	0.33	0.67

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compou

Sample Number	Compound	CAS	MW	Data Used (ug/l)														
				Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	1,4-Dichloro-2-butene	n-Propylbenzene	Isopropylbenzene	tert-butyl benzene	n-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene
				108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8
				112.6	167.8	252.7	167.8	147.4	125	120.2	120.2	134.2	134.2	134.2	147	126.6	147	134.2
T-101				<7.50E-01	<1.12E+00	<1.68E+00	<2.27E+00	<1.99E+00	<1.69E+00	<1.62E+00	<1.62E+00	<1.81E+00	<1.81E+00	<1.81E+00	<1.99E+00	<1.71E+00	<1.99E+00	<1.81E+00
T-102				<7.52E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<1.99E+00	<1.72E+00	<1.99E+00	<1.82E+00
T-103				<7.59E-01	<1.13E+00	<1.70E+00	<2.30E+00	<2.02E+00	<1.71E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.84E+00
T-104				<7.78E-01	<1.16E+00	<1.75E+00	<2.35E+00	<2.07E+00	<1.75E+00	<1.69E+00	<1.69E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.06E+00	<1.78E+00	<2.06E+00	<1.88E+00
T-105				<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-106				<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-107				<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-108				<7.23E-01	<1.08E+00	<1.62E+00	<2.19E+00	<1.92E+00	<1.63E+00	<1.57E+00	<1.57E+00	<1.75E+00	<1.75E+00	<1.75E+00	<1.92E+00	<1.65E+00	<1.92E+00	<1.75E+00
T-109				<7.18E-01	<1.07E+00	<1.61E+00	<2.17E+00	<1.91E+00	<1.62E+00	<1.56E+00	<1.56E+00	<1.74E+00	<1.74E+00	<1.74E+00	<1.90E+00	<1.64E+00	<1.90E+00	<1.74E+00
T-110				<7.36E-01	<1.10E+00	<1.65E+00	<2.23E+00	<1.96E+00	<1.66E+00	<1.60E+00	<1.60E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-111				<7.12E-01	<1.06E+00	<1.60E+00	<2.15E+00	<1.89E+00	<1.60E+00	<1.54E+00	<1.54E+00	<1.72E+00	<1.72E+00	<1.72E+00	<1.89E+00	<1.62E+00	<1.89E+00	<1.72E+00
T-112				<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-113				<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-114				<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-201				<7.71E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.05E+00	<1.74E+00	<1.67E+00	<1.67E+00	<1.87E+00	<1.87E+00	<1.87E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.87E+00
T-202				<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-203				<7.75E-01	<1.16E+00	<1.74E+00	<2.35E+00	<2.06E+00	<1.75E+00	<1.68E+00	<1.68E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.05E+00	<1.77E+00	<2.05E+00	<1.88E+00
T-204				<7.80E-01	<1.16E+00	<1.75E+00	<2.36E+00	<2.07E+00	<1.76E+00	<1.69E+00	<1.69E+00	<1.89E+00	<1.89E+00	<1.89E+00	<2.07E+00	<1.78E+00	<2.07E+00	<1.89E+00
T-205				<7.54E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.82E+00
T-206				<7.47E-01	<1.11E+00	<1.68E+00	<2.26E+00	<1.99E+00	<1.68E+00	<1.62E+00	<1.62E+00	<1.81E+00	<1.81E+00	<1.81E+00	<1.98E+00	<1.70E+00	<1.98E+00	<1.81E+00
T-207				<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-208				<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-209				<7.41E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.61E+00	<1.61E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.97E+00	<1.69E+00	<1.97E+00	<1.79E+00
T-210				<7.39E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.96E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-211				<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-212				<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-213				<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-214				<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-301				<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-302				<7.84E-01	<1.17E+00	<1.76E+00	<2.37E+00	<2.08E+00	<1.77E+00	<1.70E+00	<1.70E+00	<1.90E+00	<1.90E+00	<1.90E+00	<2.08E+00	<1.79E+00	<2.08E+00	<1.90E+00
T-303				<7.68E-01	<1.14E+00	<1.72E+00	<2.32E+00	<2.04E+00	<1.73E+00	<1.66E+00	<1.66E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.75E+00	<2.04E+00	<1.86E+00
T-304				<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-305				<7.08E-01	<1.06E+00	<1.59E+00	<2.14E+00	<1.88E+00	<1.60E+00	<1.53E+00	<1.53E+00	<1.71E+00	<1.71E+00	<1.71E+00	<1.88E+00	<1.62E+00	<1.88E+00	<1.71E+00
T-306				<7.19E-01	<1.07E+00	<1.61E+00	<2.18E+00	<1.91E+00	<1.62E+00	<1.56E+00	<1.56E+00	<1.74E+00	<1.74E+00	<1.74E+00	<1.91E+00	<1.64E+00	<1.91E+00	<1.74E+00
T-307				<7.17E-01	<1.07E+00	<1.61E+00	<2.17E+00	<1.90E+00	<1.62E+00	<1.55E+00	<1.55E+00	<1.73E+00	<1.73E+00	<1.73E+00	<1.90E+00	<1.64E+00	<1.90E+00	<1.73E+00
T-308				<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-309				<7.07E-01	<1.05E+00	<1.59E+00	<2.14E+00	<1.88E+00	<1.59E+00	<1.53E+00	<1.53E+00	<1.71E+00	<1.71E+00	<1.71E+00	<1.87E+00	<1.61E+00	<1.87E+00	<1.71E+00
T-310				<6.77E-01	<1.01E+00	<1.52E+00	<2.05E+00	<1.80E+00	<1.53E+00	<1.47E+00	<1.47E+00	<1.64E+00	<1.64E+00	<1.64E+00	<1.80E+00	<1.55E+00	<1.80E+00	<1.64E+00
T-311				<6.97E-01	<1.04E+00	<1.56E+00	<2.11E+00	<1.85E+00	<1.57E+00	<1.51E+00	<1.51E+00	<1.69E+00	<1.69E+00	<1.69E+00	<1.85E+00</			

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	Chlorobenzene	1,1,2-Tetrachloroethane	Bromofom	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	1,1-Dichloro-2-butene	n-Propylbenzene	Isopropylbenzene	tert-butyl benzene	n-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene
				108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8
				112.6	167.8	252.7	167.8	147.4	125	120.2	120.2	134.2	134.2	134.2	147	126.6	147	134.2
Flux (mg/m2-mi)																		
T-101				<6.72E-05	<1.00E-04	<1.51E-04	<2.03E-04	<1.79E-04	<1.52E-04	<1.46E-04	<1.46E-04	<1.63E-04	<1.63E-04	<1.63E-04	<1.78E-04	<1.54E-04	<1.78E-04	<1.63E-04
T-102				<4.23E-05	<6.30E-05	<9.49E-05	<1.28E-04	<1.12E-04	<9.53E-05	<9.17E-05	<9.17E-05	<1.02E-04	<1.02E-04	<1.02E-04	<1.12E-04	<9.65E-05	<1.12E-04	<1.02E-04
T-103				<5.74E-05	<8.56E-05	<1.29E-04	<1.74E-04	<1.53E-04	<1.29E-04	<1.24E-04	<1.24E-04	<1.39E-04	<1.39E-04	<1.39E-04	<1.52E-04	<1.31E-04	<1.52E-04	<1.39E-04
T-104				<3.70E-05	<5.51E-05	<8.30E-05	<1.12E-04	<9.82E-05	<8.39E-05	<8.01E-05	<8.01E-05	<8.94E-05	<8.94E-05	<8.94E-05	<9.80E-05	<8.44E-05	<9.80E-05	<8.94E-05
T-105				<3.20E-05	<4.76E-05	<7.17E-05	<9.67E-05	<8.50E-05	<7.20E-05	<6.93E-05	<6.93E-05	<7.74E-05	<7.74E-05	<7.74E-05	<8.47E-05	<7.30E-05	<8.47E-05	<7.74E-05
T-106				<3.52E-05	<5.24E-05	<7.90E-05	<1.06E-04	<9.35E-05	<7.93E-05	<7.63E-05	<7.63E-05	<8.52E-05	<8.52E-05	<8.52E-05	<9.33E-05	<8.03E-05	<9.33E-05	<8.52E-05
T-107				<4.65E-05	<6.92E-05	<1.04E-04	<1.41E-04	<1.23E-04	<1.05E-04	<1.01E-04	<1.01E-04	<1.12E-04	<1.12E-04	<1.12E-04	<1.23E-04	<1.06E-04	<1.23E-04	<1.12E-04
T-108				<1.12E-04	<1.66E-04	<2.50E-04	<3.38E-04	<2.97E-04	<2.51E-04	<2.42E-04	<2.42E-04	<2.70E-04	<2.70E-04	<2.70E-04	<2.96E-04	<2.55E-04	<2.96E-04	<2.70E-04
T-109				<3.48E-05	<5.18E-05	<7.80E-05	<1.05E-04	<9.24E-05	<7.83E-05	<7.53E-05	<7.53E-05	<8.41E-05	<8.41E-05	<8.41E-05	<9.21E-05	<7.93E-05	<9.21E-05	<8.41E-05
T-110				<3.14E-05	<4.67E-05	<7.04E-05	<9.49E-05	<8.33E-05	<7.07E-05	<6.79E-05	<6.79E-05	<7.59E-05	<7.59E-05	<7.59E-05	<8.31E-05	<7.16E-05	<8.31E-05	<7.59E-05
T-111				<2.10E-04	<3.13E-04	<4.72E-04	<6.36E-04	<5.59E-04	<4.74E-04	<4.55E-04	<4.55E-04	<5.09E-04	<5.09E-04	<5.09E-04	<5.57E-04	<4.80E-04	<5.57E-04	<5.09E-04
T-112				<4.02E-05	<5.98E-05	<9.01E-05	<1.21E-04	<1.07E-04	<9.05E-05	<8.70E-05	<8.70E-05	<9.72E-05	<9.72E-05	<9.72E-05	<1.06E-04	<9.17E-05	<1.06E-04	<9.72E-05
T-113				<3.52E-05	<5.25E-05	<7.90E-05	<1.06E-04	<9.35E-05	<7.93E-05	<7.63E-05	<7.63E-05	<8.52E-05	<8.52E-05	<8.52E-05	<9.33E-05	<8.03E-05	<9.33E-05	<8.52E-05
T-114				<3.19E-05	<4.75E-05	<7.15E-05	<9.64E-05	<8.47E-05	<7.18E-05	<6.91E-05	<6.91E-05	<7.71E-05	<7.71E-05	<7.71E-05	<8.45E-05	<7.28E-05	<8.45E-05	<7.71E-05
T-201				<3.61E-05	<5.37E-05	<8.09E-05	<1.09E-04	<9.58E-05	<8.13E-05	<7.81E-05	<7.81E-05	<8.72E-05	<8.72E-05	<8.72E-05	<9.56E-05	<8.23E-05	<9.56E-05	<8.72E-05
T-202				<3.96E-05	<5.90E-05	<8.88E-05	<1.20E-04	<1.05E-04	<8.92E-05	<8.58E-05	<8.58E-05	<9.58E-05	<9.58E-05	<9.58E-05	<1.05E-04	<9.04E-05	<1.05E-04	<9.58E-05
T-203				<3.03E-05	<4.52E-05	<6.81E-05	<9.18E-05	<8.07E-05	<6.84E-05	<6.58E-05	<6.58E-05	<7.34E-05	<7.34E-05	<7.34E-05	<8.04E-05	<6.93E-05	<8.04E-05	<7.34E-05
T-204				<4.16E-05	<6.19E-05	<9.33E-05	<1.26E-04	<1.10E-04	<9.37E-05	<9.01E-05	<9.01E-05	<1.01E-04	<1.01E-04	<1.01E-04	<1.10E-04	<9.49E-05	<1.10E-04	<1.01E-04
T-205				<3.26E-05	<4.86E-05	<7.32E-05	<9.86E-05	<8.66E-05	<7.35E-05	<7.07E-05	<7.07E-05	<7.89E-05	<7.89E-05	<7.89E-05	<8.64E-05	<7.44E-05	<8.64E-05	<7.89E-05
T-206				<5.03E-05	<7.49E-05	<1.13E-04	<1.52E-04	<1.34E-04	<1.13E-04	<1.09E-04	<1.09E-04	<1.22E-04	<1.22E-04	<1.22E-04	<1.33E-04	<1.15E-04	<1.33E-04	<1.22E-04
T-207				<3.28E-05	<4.88E-05	<7.36E-05	<9.92E-05	<8.71E-05	<7.39E-05	<7.10E-05	<7.10E-05	<7.93E-05	<7.93E-05	<7.93E-05	<8.69E-05	<7.48E-05	<8.69E-05	<7.93E-05
T-208				<3.32E-05	<4.95E-05	<7.46E-05	<1.01E-04	<8.84E-05	<7.49E-05	<7.21E-05	<7.21E-05	<8.04E-05	<8.04E-05	<8.04E-05	<8.81E-05	<7.59E-05	<8.81E-05	<8.04E-05
T-209				<3.15E-05	<4.70E-05	<7.07E-05	<9.53E-05	<8.37E-05	<7.10E-05	<6.83E-05	<6.83E-05	<7.62E-05	<7.62E-05	<7.62E-05	<8.35E-05	<7.19E-05	<8.35E-05	<7.62E-05
T-210				<3.50E-05	<5.22E-05	<7.86E-05	<1.06E-04	<9.31E-05	<7.89E-05	<7.59E-05	<7.59E-05	<8.47E-05	<8.47E-05	<8.47E-05	<9.28E-05	<7.99E-05	<9.28E-05	<8.47E-05
T-211				<3.28E-05	<4.89E-05	<7.36E-05	<9.92E-05	<8.72E-05	<7.39E-05	<7.11E-05	<7.11E-05	<7.93E-05	<7.93E-05	<7.93E-05	<8.69E-05	<7.49E-05	<8.69E-05	<7.93E-05
T-212				<3.02E-05	<4.50E-05	<6.78E-05	<9.15E-05	<8.03E-05	<6.81E-05	<6.55E-05	<6.55E-05	<7.31E-05	<7.31E-05	<7.31E-05	<8.01E-05	<6.90E-05	<8.01E-05	<7.31E-05
T-213				<3.39E-05	<5.06E-05	<7.62E-05	<1.03E-04	<9.02E-05	<7.65E-05	<7.36E-05	<7.36E-05	<8.21E-05	<8.21E-05	<8.21E-05	<9.00E-05	<7.75E-05	<9.00E-05	<8.21E-05
T-214				<3.49E-05	<5.20E-05	<7.83E-05	<1.06E-04	<9.28E-05	<7.87E-05	<7.57E-05	<7.57E-05	<8.45E-05	<8.45E-05	<8.45E-05	<9.25E-05	<7.97E-05	<9.25E-05	<8.45E-05
T-301				<5.54E-05	<8.25E-05	<1.24E-04	<1.67E-04	<1.47E-04	<1.25E-04	<1.20E-04	<1.20E-04	<1.34E-04	<1.34E-04	<1.34E-04	<1.47E-04	<1.26E-04	<1.47E-04	<1.34E-04
T-302				<3.06E-05	<4.56E-05	<6.87E-05	<9.26E-05	<8.14E-05	<6.90E-05	<6.63E-05	<6.63E-05	<7.41E-05	<7.41E-05	<7.41E-05	<8.11E-05	<6.99E-05	<8.11E-05	<7.41E-05
T-303				<3.31E-05	<4.93E-05	<7.43E-05	<1.00E-04	<8.79E-05	<7.46E-05	<7.17E-05	<7.17E-05	<8.01E-05	<8.01E-05	<8.01E-05	<8.77E-05	<7.55E-05	<8.77E-05	<8.01E-05
T-304				<3.79E-05	<5.65E-05	<8.50E-05	<1.15E-04	<1.01E-04	<8.54E-05	<8.21E-05	<8.21E-05	<9.17E-05	<9.17E-05	<9.17E-05	<1.00E-04	<8.65E-05	<1.00E-04	<9.17E-05
T-305				<5.81E-05	<8.65E-05	<1.30E-04	<1.76E-04	<1.54E-04	<1.31E-04	<1.26E-04	<1.26E-04	<1.40E-04	<1.40E-04	<1.40E-04	<1.54E-04	<1.33E-04	<1.54E-04	<1.40E-04
T-306				<1.24E-04	<1.84E-04	<2.78E-04	<3.74E-04	<3.29E-04	<2.79E-04	<2.68E-04	<2.68E-04	<2.99E-04	<2.99E-04	<2.99E-04	<3.28E-04	<2.82E-04	<3.28E-04	<2.99E-04
T-307				<4.41E-05	<6.58E-05	<9.90E-05	<1.34E-04	<1.17E-04	<9.95E-05	<9.57E-05	<9.57E-05	<1.07E-04	<1.07E-04	<1.07E-04	<1.17E-04	<1.01E-04	<1.17E-04	<1.07E-04
T-308				<4.63E-05	<6.89E-05	<1.04E-04	<1.40E-04	<1.23E-04	<1.04E-04	<1.00E-04	<1.00E-04	<1.12E-04	<1.12E-04	<1.12E-04	<1.23E-04	<1.06E-04	<1.23E-04	<1.12E-04
T-309				<3.12E-05	<4.65E-05	<7.00E-05	<9.44E-05	<8.29E-05	<7.03E-05	<6.76E-05	<6.76E-05	<7.55E-05	<7.55E-05	<7.55E-05	<8.27E-05	<7.12E-05	<8.27E-05	<7.55E-05
T-310				<3.87E-05	<5.77E-05	<8.69E-05	<1.17E-04	<1.03E-04	<8.72E-05	<8.39E-05	<8.39E-05	<9.36E-05	<9.36E-05	<9.36E-05	<1.03E-04	<8.83E-05	<1.03E-04	<9.36E-05
T-311				<4.50E-05	<6.70E-05	<1.01E-04	<1.36E-04	<1.19E-04	<1.01E-04	<9.74E-05	<9.74E-05	<1.09E-04	<1.09E-04	<1.09E-04	<1.19E-04	<1.03E-04	<1.19E-04	<1.09E-04
T-312				<2.11E-04	<3.15E-04	<4.74E-04	<6.30E-04	<5.53E-04	<4.69E-04	<4.51E-04	<4.51E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.52E-04	<4.75E-04	<5.52E-04	<5.04E-04
T-313				<2.77E-05	<4.13E-05	<6.22E-05	<8.39E-05	<7.37E-05	<6.25E-05	<6.01E-05	<6.01E-05	<6.71E-05	<6.71E-05	<6.71E-05	<7.35E-05	<6.33E-05	<7.35E-05	<6.71E-05
T-314				<3.12E-05	<4.65E-05	<7.01E-05	<9.45E-05	<8.30E-05	<7.04E-05	<6.77E-05	<6.77E-05	<7.56E-05	<7.56E-05	<7.56E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.56E-05
T-401				<5.08E-05	<7.57E-05	<1.14E-04	<1.54E-04	<1.35E-04	<1.14E-04	<1.10E-04	<1.10E-04	<1.23E-04	<1.23E-04	<1.23E-04	<1.35E-04	<1.16E-04	<1.35E-04	<1.23E-04
T-402				<4.36E-05	<6.49E-05	<9.78E-05	<1.32E-04	<1.16E-04	<9.82E-05	<9.44E-05	<9.44E-05	<1.05E-04	<1.05E-04	<1.05E-04	<1.15E-04	<9.94E-05	<1.15E-04	<1.05E-04
T-403				<3.12E-05	<4.65E-05	<7.01E-05	<9.45E-05	<8.30E-05	<7.04E-05	<6.77E-05	<6.77E-05	<7.56E-05	<7.56E-05	<7.56E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.56E-05
T-404				<6.47E-05	<9.64E-05	<1.45E-04	<1.96E-04	<1.72E-04	<1.46E-04	<1.40E-04	<1.40E-04	<1.56E-04	<1.56E-04	<1.56E-04				

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	11DFA
	1,2-Dichlorobenzene	95-50-1	147	
	1,2-Dibromo-3-chloropropane	96-12-8	236.3	
	1,2,4-Trichlorobenzene	120-82-1	181.4	
	1,2,3-Trichlorobenzene	87-61-6	181.4	
	Hexachlorobutadiene	87-68-3	260.8	
Lab Data (ppbv)				
T-101	ND	ND	ND	89.2
T-102	ND	ND	ND	142
T-103	ND	ND	ND	106
T-104	ND	ND	ND	168
T-105	ND	ND	ND	185
T-106	ND	ND	ND	167
T-107	ND	ND	ND	125
T-108	ND	ND	ND	51.8
T-109	ND	ND	ND	165
T-110	ND	ND	ND	188
T-111	ND	ND	ND	27.1
T-112	ND	ND	ND	145
T-113	ND	ND	ND	165
T-114	ND	ND	ND	191
T-201	ND	ND	ND	171
T-202	ND	ND	ND	156
T-203	ND	ND	ND	204
T-204	ND	ND	ND	150
T-205	ND	ND	ND	185
T-206	ND	ND	ND	119
T-207	ND	ND	ND	181
T-208	ND	ND	ND	183
T-209	ND	ND	ND	188
T-210	ND	ND	ND	169
T-211	ND	ND	ND	181
T-212	ND	ND	ND	194
T-213	ND	ND	ND	173
T-214	ND	ND	ND	175
T-301	ND	ND	ND	111
T-302	ND	ND	ND	205
T-303	ND	ND	ND	186
T-304	ND	ND	ND	162
T-305	ND	ND	ND	97.6
T-306	ND	ND	ND	46.5
T-307	ND	ND	ND	130
T-308	ND	ND	ND	126
T-309	ND	ND	ND	181
T-310	ND	ND	ND	140
T-311	ND	ND	ND	124
T-312	ND	ND	ND	161
T-313	ND	ND	ND	203
T-314	ND	ND	ND	195
T-401	ND	ND	ND	120
T-402	ND	ND	ND	141
T-403	ND	ND	ND	196
T-404	ND	ND	ND	94
T-405	ND	ND	ND	179
T-406	ND	ND	ND	144
T-407	ND	ND	ND	198
T-408	ND	ND	ND	171
T-409	ND	ND	ND	175
T-410	ND	ND	ND	205
T-501	ND	ND	ND	183
T-502	ND	ND	ND	171
T-503	ND	ND	ND	185
T-504	ND	ND	ND	166
T-505	ND	ND	ND	165
T-506	ND	ND	ND	176
T-507	ND	ND	ND	158
T-508	ND	ND	ND	133
T-509	ND	ND	ND	187
T-510	ND	ND	ND	184
T-601	ND	ND	ND	159
T-602	ND	ND	ND	170
T-603	ND	ND	ND	136
T-604	ND	ND	ND	186
T-605	ND	ND	ND	88
T-606	ND	ND	ND	169
T-607	ND	ND	ND	94.8
T-608	ND	ND	ND	77.6
T-609	ND	ND	ND	84.4
T-610	ND	ND	ND	183

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound					
CAS	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3	
MW	147	236.3	181.4	181.4	260.8	
	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	
MDL (ppbv)						
T-101	0.67	1	1	1	0.83	
T-102	0.67	1	1	1	0.83	
T-103	0.67	1	1	1	0.83	
T-104	0.67	1	1	1	0.83	
T-105	0.67	1	1	1	0.83	
T-106	0.67	1	1	1	0.83	
T-107	0.67	1	1	1	0.83	
T-108	0.67	1	1	1	0.83	
T-109	0.67	1	1	1	0.83	
T-110	0.67	1	1	1	0.83	
T-111	0.67	1	1	1	0.83	
T-112	0.67	1	1	1	0.83	
T-113	0.67	1	1	1	0.83	
T-114	0.67	1	1	1	0.83	
T-201	0.67	1	1	1	0.83	
T-202	0.67	1	1	1	0.83	
T-203	0.67	1	1	1	0.83	
T-204	0.67	1	1	1	0.83	
T-205	0.67	1	1	1	0.83	
T-206	0.67	1	1	1	0.83	
T-207	0.67	1	1	1	0.83	
T-208	0.67	1	1	1	0.83	
T-209	0.67	1	1	1	0.83	
T-210	0.67	1	1	1	0.83	
T-211	0.67	1	1	1	0.83	
T-212	0.67	1	1	1	0.83	
T-213	0.67	1	1	1	0.83	
T-214	0.67	1	1	1	0.83	
T-301	0.67	1	1	1	0.83	
T-302	0.67	1	1	1	0.83	
T-303	0.67	1	1	1	0.83	
T-304	0.67	1	1	1	0.83	
T-305	0.67	1	1	1	0.83	
T-306	0.67	1	1	1	0.83	
T-307	0.67	1	1	1	0.83	
T-308	0.67	1	1	1	0.83	
T-309	0.67	1	1	1	0.83	
T-310	0.67	1	1	1	0.83	
T-311	0.67	1	1	1	0.83	
T-312	4	6	6	6	5	
T-313	0.67	1	1	1	0.83	
T-314	0.67	1	1	1	0.83	
T-401	0.67	1	1	1	0.83	
T-402	0.67	1	1	1	0.83	
T-403	0.67	1	1	1	0.83	
T-404	0.67	1	1	1	0.83	
T-405	0.67	1	1	1	0.83	
T-406	0.67	1	1	1	0.83	
T-407	0.67	1	1	1	0.83	
T-408	0.67	1	1	1	0.83	
T-409	0.67	1	1	1	0.83	
T-410	0.67	1	1	1	0.83	
T-501	0.67	1	1	1	0.83	
T-502	0.67	1	1	1	0.83	
T-503	0.67	1	1	1	0.83	
T-504	0.67	1	1	1	0.83	
T-505	0.67	1	1	1	0.83	
T-506	0.67	1	1	1	0.83	
T-507	0.67	1	1	1	0.83	
T-508	0.67	1	1	1	0.83	
T-509	0.67	1	1	1	0.83	
T-510	0.67	1	1	1	0.83	
T-601	0.67	1	1	1	0.83	
T-602	0.67	1	1	1	0.83	
T-603	0.67	1	1	1	0.83	
T-604	0.67	1	1	1	0.83	
T-605	0.67	1	1	1	0.83	
T-606	0.67	1	1	1	0.83	
T-607	0.67	1	1	1	0.83	
T-608	0.67	1	1	1	0.83	
T-609	0.67	1	1	1	0.83	
T-610	0.67	1	1	1	0.83	

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene
		95-50-1	147	96-12-8	120-82-1	87-61-6	87-68-3	260.8
Data Used (ug/l)								
T-101		<1.99E+00	<4.77E+00	<3.66E+00	<3.66E+00	<4.37E+00		
T-102		<1.99E+00	<4.78E+00	<3.67E+00	<3.67E+00	<4.38E+00		
T-103		<2.01E+00	<4.83E+00	<3.71E+00	<3.71E+00	<4.42E+00		
T-104		<2.06E+00	<4.95E+00	<3.80E+00	<3.80E+00	<4.53E+00		
T-105		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00		
T-106		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00		
T-107		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00		
T-108		<1.92E+00	<4.60E+00	<3.53E+00	<3.53E+00	<4.21E+00		
T-109		<1.90E+00	<4.57E+00	<3.50E+00	<3.50E+00	<4.18E+00		
T-110		<1.95E+00	<4.68E+00	<3.59E+00	<3.59E+00	<4.29E+00		
T-111		<1.89E+00	<4.53E+00	<3.47E+00	<3.47E+00	<4.15E+00		
T-112		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00		
T-113		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00		
T-114		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-201		<2.04E+00	<4.90E+00	<3.76E+00	<3.76E+00	<4.49E+00		
T-202		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00		
T-203		<2.05E+00	<4.93E+00	<3.78E+00	<3.78E+00	<4.52E+00		
T-204		<2.07E+00	<4.96E+00	<3.81E+00	<3.81E+00	<4.54E+00		
T-205		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00		
T-206		<1.98E+00	<4.75E+00	<3.65E+00	<3.65E+00	<4.35E+00		
T-207		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00		
T-208		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-209		<1.97E+00	<4.72E+00	<3.62E+00	<3.62E+00	<4.32E+00		
T-210		<1.96E+00	<4.70E+00	<3.61E+00	<3.61E+00	<4.30E+00		
T-211		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00		
T-212		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00		
T-213		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00		
T-214		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-301		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00		
T-302		<2.08E+00	<4.99E+00	<3.83E+00	<3.83E+00	<4.57E+00		
T-303		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00		
T-304		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00		
T-305		<1.88E+00	<4.50E+00	<3.46E+00	<3.46E+00	<4.12E+00		
T-306		<1.91E+00	<4.57E+00	<3.51E+00	<3.51E+00	<4.19E+00		
T-307		<1.90E+00	<4.56E+00	<3.50E+00	<3.50E+00	<4.17E+00		
T-308		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00		
T-309		<1.87E+00	<4.49E+00	<3.45E+00	<3.45E+00	<4.12E+00		
T-310		<1.80E+00	<4.31E+00	<3.31E+00	<3.31E+00	<3.95E+00		
T-311		<1.85E+00	<4.43E+00	<3.40E+00	<3.40E+00	<4.06E+00		
T-312		<1.11E+01	<2.68E+01	<2.06E+01	<2.06E+01	<2.47E+01		
T-313		<1.86E+00	<4.47E+00	<3.43E+00	<3.43E+00	<4.10E+00		
T-314		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-401		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-402		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00		
T-403		<2.02E+00	<4.86E+00	<3.73E+00	<3.73E+00	<4.45E+00		
T-404		<2.01E+00	<4.83E+00	<3.71E+00	<3.71E+00	<4.42E+00		
T-405		<1.96E+00	<4.70E+00	<3.61E+00	<3.61E+00	<4.30E+00		
T-406		<1.97E+00	<4.73E+00	<3.63E+00	<3.63E+00	<4.34E+00		
T-407		<1.99E+00	<4.77E+00	<3.66E+00	<3.66E+00	<4.37E+00		
T-408		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00		
T-409		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00		
T-410		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-501		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00		
T-502		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-503		<2.03E+00	<4.87E+00	<3.74E+00	<3.74E+00	<4.46E+00		
T-504		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00		
T-505		<1.99E+00	<4.78E+00	<3.67E+00	<3.67E+00	<4.38E+00		
T-506		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00		
T-507		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00		
T-508		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00		
T-509		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00		
T-510		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		
T-601		<2.06E+00	<4.95E+00	<3.80E+00	<3.80E+00	<4.53E+00		
T-602		<2.06E+00	<4.94E+00	<3.79E+00	<3.79E+00	<4.53E+00		
T-603		<2.05E+00	<4.93E+00	<3.78E+00	<3.78E+00	<4.52E+00		
T-604		<2.06E+00	<4.94E+00	<3.79E+00	<3.79E+00	<4.53E+00		
T-605		<1.97E+00	<4.72E+00	<3.62E+00	<3.62E+00	<4.32E+00		
T-606		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00		
T-607		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00		
T-608		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00		
T-609		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00		
T-610		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00		

Temp.
oF oC oK RT

	84	28.9	302.0	24.8
	82	27.8	300.9	24.7
	77	25.0	298.2	24.5
	64	17.8	290.9	23.9
	91	32.8	305.9	25.1
	95	35.0	308.2	25.3
	101	38.3	311.5	25.6
	104	40.0	313.2	25.7
	108	42.2	315.4	25.9
	94	34.4	307.6	25.2
	113	45.0	318.2	26.1
	101	38.3	311.5	25.6
	101	38.3	311.5	25.6
	75	23.9	297.0	24.4
	69	20.6	293.7	24.1
	70	21.1	294.3	24.1
	66	18.9	292.0	24.0
	63	17.2	290.4	23.8
	81	27.2	300.4	24.6
	86	30.0	303.2	24.9
	91	32.8	305.9	25.1
	75	23.9	297.0	24.4
	90	32.2	305.4	25.1
	92	33.3	306.5	25.1
	91	32.8	305.9	25.1
	95	35.0	308.2	25.3
	95	35.0	308.2	25.3
	75	23.9	297.0	24.4
	70	21.1	294.3	24.1
	60	15.6	288.7	23.7
	71	21.7	294.8	24.2
	70	21.1	294.3	24.1
	116	46.7	319.8	26.2
	107	41.7	314.8	25.8
	109	42.8	315.9	25.9
	101	38.3	311.5	25.6
	117	47.2	320.4	26.3
	142	61.1	334.3	27.4
	125	51.7	324.8	26.7
	120	48.9	322.0	26.4
	120	48.9	322.0	26.4
	75	23.9	297.0	24.4
	75	23.9	297.0	24.4
	71	21.7	294.8	24.2
	74	23.3	296.5	24.3
	77	25.0	298.2	24.5
	92	33.3	306.5	25.1
	88	31.1	304.3	25.0
	84	28.9	302.0	24.8
	81	27.2	300.4	24.6
	81	27.2	300.4	24.6
	75	23.9	297.0	24.4
	73	22.8	295.9	24.3
	71	21.7	294.8	24.2
	82	27.8	300.9	24.7
	80	26.7	299.8	24.6
	80	26.7	299.8	24.6
	79	26.1	299.3	24.6
	79	26.1	299.3	24.6
	75	23.9	297.0	24.4
	64	17.8	290.9	23.9
	65	18.3	291.5	23.9
	66	18.9	292.0	24.0
	65	18.3	291.5	23.9
	90	32.2	305.4	25.1
	79	26.1	299.3	24.6
	95	35.0	308.2	25.3
	80	26.7	299.8	24.6
	80	26.7	299.8	24.6
	75	23.9	297.0	24.4

Table 3 TO-15 Compounds

Shaded compounds are all ND

Table 3
Chiquita Canyon
TO-15 Compound

Sample Number	Compound	CAS	MW	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	Flux (mg/m2-mi)	
				95-50-1	96-12-8	120-82-1	87-61-6	87-68-3		
				147	236.3	181.4	181.4	260.8		
									0.01	
									208	
T-101				<1.78E-04	<4.28E-04	<3.28E-04	<3.28E-04	<3.92E-04	0.01	
T-102				<1.12E-04	<2.69E-04	<2.06E-04	<2.06E-04	<2.46E-04	0.01	
T-103				<1.52E-04	<3.65E-04	<2.80E-04	<2.80E-04	<3.35E-04	0.01	
T-104				<9.80E-05	<2.35E-04	<1.80E-04	<1.80E-04	<2.15E-04	0.01	
T-105				<8.47E-05	<2.03E-04	<1.56E-04	<1.56E-04	<1.86E-04	0.01	
T-106				<9.33E-05	<2.24E-04	<1.72E-04	<1.72E-04	<2.05E-04	0.01	
T-107				<1.23E-04	<2.95E-04	<2.27E-04	<2.27E-04	<2.71E-04	0.01	
T-108				<2.96E-04	<7.10E-04	<5.45E-04	<5.45E-04	<6.50E-04	0.02	
T-109				<9.21E-05	<2.21E-04	<1.70E-04	<1.70E-04	<2.02E-04	0.01	
T-110				<8.31E-05	<1.99E-04	<1.53E-04	<1.53E-04	<1.83E-04	0.01	
T-111				<5.57E-04	<1.34E-03	<1.03E-03	<1.03E-03	<1.22E-03	0.04	
T-112				<1.06E-04	<2.55E-04	<1.96E-04	<1.96E-04	<2.34E-04	0.01	
T-113				<9.33E-05	<2.24E-04	<1.72E-04	<1.72E-04	<2.05E-04	0.01	
T-114				<8.45E-05	<2.03E-04	<1.56E-04	<1.56E-04	<1.86E-04	0.01	
T-201				<9.56E-05	<2.29E-04	<1.76E-04	<1.76E-04	<2.10E-04	0.01	
T-202				<1.05E-04	<2.52E-04	<1.93E-04	<1.93E-04	<2.31E-04	0.01	
T-203				<8.04E-05	<1.93E-04	<1.48E-04	<1.48E-04	<1.77E-04	0.01	
T-204				<1.10E-04	<2.64E-04	<2.03E-04	<2.03E-04	<2.42E-04	0.01	
T-205				<8.64E-05	<2.07E-04	<1.59E-04	<1.59E-04	<1.90E-04	0.01	
T-206				<1.33E-04	<3.20E-04	<2.45E-04	<2.45E-04	<2.93E-04	0.01	
T-207				<8.69E-05	<2.08E-04	<1.60E-04	<1.60E-04	<1.91E-04	0.01	
T-208				<8.81E-05	<2.11E-04	<1.62E-04	<1.62E-04	<1.94E-04	0.01	
T-209				<8.35E-05	<2.00E-04	<1.54E-04	<1.54E-04	<1.84E-04	0.01	
T-210				<9.28E-05	<2.23E-04	<1.71E-04	<1.71E-04	<2.04E-04	0.01	
T-211				<8.69E-05	<2.09E-04	<1.60E-04	<1.60E-04	<1.91E-04	0.01	
T-212				<8.01E-05	<1.92E-04	<1.48E-04	<1.48E-04	<1.76E-04	0.01	
T-213				<9.00E-05	<2.16E-04	<1.66E-04	<1.66E-04	<1.98E-04	0.01	
T-214				<9.25E-05	<2.22E-04	<1.70E-04	<1.70E-04	<2.03E-04	0.01	
T-301				<1.47E-04	<3.52E-04	<2.70E-04	<2.70E-04	<3.22E-04	0.01	
T-302				<8.11E-05	<1.95E-04	<1.49E-04	<1.49E-04	<1.78E-04	0.01	
T-303				<8.77E-05	<2.10E-04	<1.62E-04	<1.62E-04	<1.93E-04	0.01	
T-304				<1.00E-04	<2.41E-04	<1.85E-04	<1.85E-04	<2.21E-04	0.01	
T-305				<1.54E-04	<3.69E-04	<2.83E-04	<2.83E-04	<3.38E-04	0.01	
T-306				<3.28E-04	<7.87E-04	<6.04E-04	<6.04E-04	<7.21E-04	0.02	
T-307				<1.17E-04	<2.81E-04	<2.15E-04	<2.15E-04	<2.57E-04	0.01	
T-308				<1.23E-04	<2.94E-04	<2.26E-04	<2.26E-04	<2.69E-04	0.01	
T-309				<8.27E-05	<1.98E-04	<1.52E-04	<1.52E-04	<1.82E-04	0.01	
T-310				<1.03E-04	<2.46E-04	<1.89E-04	<1.89E-04	<2.25E-04	0.01	
T-311				<1.19E-04	<2.86E-04	<2.19E-04	<2.19E-04	<2.62E-04	0.01	
T-312				<5.52E-04	<1.33E-03	<1.02E-03	<1.02E-03	<1.22E-03	0.01	
T-313				<7.35E-05	<1.76E-04	<1.35E-04	<1.35E-04	<1.62E-04	0.01	
T-314				<8.28E-05	<1.99E-04	<1.52E-04	<1.52E-04	<1.82E-04	0.01	
T-401				<1.35E-04	<3.23E-04	<2.48E-04	<2.48E-04	<2.96E-04	0.01	
T-402				<1.15E-04	<2.77E-04	<2.13E-04	<2.13E-04	<2.54E-04	0.01	
T-403				<8.28E-05	<1.99E-04	<1.52E-04	<1.52E-04	<1.82E-04	0.01	
T-404				<1.71E-04	<4.11E-04	<3.16E-04	<3.16E-04	<3.77E-04	0.01	
T-405				<8.74E-05	<2.10E-04	<1.61E-04	<1.61E-04	<1.92E-04	0.01	
T-406				<1.09E-04	<2.62E-04	<2.01E-04	<2.01E-04	<2.40E-04	0.01	
T-407				<8.01E-05	<1.92E-04	<1.48E-04	<1.48E-04	<1.76E-04	0.01	
T-408				<9.35E-05	<2.24E-04	<1.72E-04	<1.72E-04	<2.05E-04	0.01	
T-409				<9.12E-05	<2.19E-04	<1.68E-04	<1.68E-04	<2.00E-04	0.01	
T-410				<7.90E-05	<1.89E-04	<1.45E-04	<1.45E-04	<1.74E-04	0.01	
T-501				<8.91E-05	<2.14E-04	<1.64E-04	<1.64E-04	<1.96E-04	0.01	
T-502				<9.45E-05	<2.27E-04	<1.74E-04	<1.74E-04	<2.08E-04	0.01	
T-503				<8.79E-05	<2.11E-04	<1.62E-04	<1.62E-04	<1.93E-04	0.01	
T-504				<9.83E-05	<2.36E-04	<1.81E-04	<1.81E-04	<2.16E-04	0.01	
T-505				<9.67E-05	<2.32E-04	<1.78E-04	<1.78E-04	<2.13E-04	0.01	
T-506				<9.08E-05	<2.18E-04	<1.67E-04	<1.67E-04	<1.99E-04	0.01	
T-507				<1.01E-04	<2.43E-04	<1.87E-04	<1.87E-04	<2.23E-04	0.01	
T-508				<1.21E-04	<2.90E-04	<2.22E-04	<2.22E-04	<2.65E-04	0.01	
T-509				<8.57E-05	<2.06E-04	<1.58E-04	<1.58E-04	<1.88E-04	0.01	
T-510				<8.78E-05	<2.11E-04	<1.62E-04	<1.62E-04	<1.93E-04	0.01	
T-601				<1.04E-04	<2.49E-04	<1.91E-04	<1.91E-04	<2.28E-04	0.01	
T-602				<9.67E-05	<2.32E-04	<1.78E-04	<1.78E-04	<2.13E-04	0.01	
T-603				<1.21E-04	<2.89E-04	<2.22E-04	<2.22E-04	<2.65E-04	0.01	
T-604				<8.83E-05	<2.12E-04	<1.63E-04	<1.63E-04	<1.94E-04	0.01	
T-605				<1.79E-04	<4.29E-04	<3.29E-04	<3.29E-04	<3.93E-04	0.01	
T-606				<9.48E-05	<2.27E-04	<1.75E-04	<1.75E-04	<2.08E-04	0.01	
T-607				<1.64E-04	<3.94E-04	<3.03E-04	<3.03E-04	<3.61E-04	0.01	
T-608				<2.06E-04	<4.95E-04	<3.80E-04	<3.80E-04	<4.53E-04	0.01	
T-609				<1.90E-04	<4.55E-04	<3.49E-04	<3.49E-04	<4.17E-04	0.01	
T-610				<8.83E-05	<2.12E-04	<1.63E-04	<1.63E-04	<1.94E-04	0.01	

Sample Number	Total Non-Methane Hydrocarbons-C1		Total Non-Methane Hydrocarbons-C6		Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene															
	CAS	TNMHC	C1	TNMHC															C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1
	MW	16	86.2	44.1															30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1		
Lab Data (ppbv)																																	
T-101	ND	ND			2.44	3.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-102		48.62	8.1	ND	2.36	ND	ND	1.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-103	ND	ND		ND		2.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-104		686.51	114.42	ND		ND	ND	29.96	ND	ND		1.21	2.39	0.91	8.75	6.19	6.92	ND	ND														
T-105		60.19	10.03		5.46	4.71	ND	2.58	ND		1.55	ND	ND	ND	ND	ND	ND	ND	ND														
T-106	ND	ND		ND		2.7	ND	1.94	ND		1.54	ND	ND	ND	ND	ND	ND	ND	ND														
T-107		137.11	22.85		3.66	3.77	ND	1.95	4.75		4.55	ND	0.49	ND	ND	ND		1.52	ND														
T-108		134.79	22.46		2.81	3.56	ND		1.13		2.48	ND	0.45	ND	ND	2.59	1.13	1.53	ND														
T-109		48.49	8.08	ND		2.24	ND	1.77	1.48		1.91	ND	ND	ND	ND	ND	ND	ND	ND														
T-110		62.66	10.44		2.23	ND	ND	3.48	1.88		1.76	ND	ND	ND	ND	ND	ND	ND	ND														
T-111		52.67	8.78	ND		ND	ND		ND		ND	ND	ND	ND	ND	ND	ND	1.04	ND														
T-112		173.75	28.96		12.32	13.04	ND	11.04	4.94	ND	ND	ND	ND	ND	ND	1.74	ND	ND															
T-113		171.41	28.57		11.05	11.63	ND	10.28	4.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1														
T-114	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-201		70.9	11.82		6.16	2.55	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-202		74.19	12.36		3.68	6.23	ND	1.38	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-203		58.2	9.7		1.41	2.3	ND		ND		0.96	ND	ND	ND	ND	ND	ND	ND	ND														
T-204		57.12	9.52		2.05	2.75	ND	1.54	1.72		2.1	ND	ND	ND	ND	ND	ND	ND	ND														
T-205		93.16	15.53		5.21	2.94	ND	2.89	ND		ND	ND	0.68	ND	ND	ND	ND	ND	ND														
T-206		54.23	9.04	ND		ND		1.01	ND	2.29	ND		0.61	ND	ND	0.52	ND	0.93	ND														
T-207		126.53	21.09		2.29	ND		1.09	2.87	2	ND	ND	ND	ND	ND		1.84	2.93	ND														
T-208	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-209		221.81	36.97		1.9	ND		1.15	2.18	ND		0.48	ND	ND	0.51	1.86	1.2	9.38	ND														
T-210		77.71	12.95		2.21	ND	ND		1.67	1.32	2.57	ND	0.55	ND	ND	0.48	ND		2.43														
T-211		107.1	17.85		1.83	5.54	ND		2.56	1.73	2.55	ND	0.81	ND	ND	0.54	ND	2.08	2.51														
T-212		116.79	19.46	ND		ND	ND		ND	ND	ND	ND	0.57	ND	ND	1.21	ND	ND	ND														
T-213		81.53	13.59	ND		ND	ND		ND	1.5	ND	0.82	0.43	ND	ND	1.45	ND	ND	ND														
T-214	ND	ND		2.15	ND			1.86	1.64	2.24	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-301		363.57	60.6		3.1	2.6	ND	2.1	2.23	2.8	ND		3.4	ND	ND	0.78	1.05	0.79	ND														
T-302		374.88	62.48	14.77		2.85	ND	3.02	10.98	2.63	ND		0.58	ND	0.74	1.88	0.63	1.15	ND														
T-303	ND	ND		ND		2.67	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75	ND														
T-304		135.82	22.64	2.96		4.76	ND	1.64	2.7	4.48	ND		1.59	ND	ND	ND	ND	0.86	5.51														
T-305		639.77	106.63	3.8		2.46	0.82	2.5	1.03	3.37	ND		23.91	ND	1.97	7.6	0.77	1.15	ND														
T-306		518.88	86.48	3.41		3.52	1.61	2.36	1.1	3.25		1.41	0.43	7.32	1.33	1.77	14.42	2.18	2.04														
T-307		516.96	86.16	16.84		6.93	ND	5.31	18.89	ND	ND		2.43	ND	ND	0.83	0.67	1.78	6.98														
T-308		50.84	8.47	ND		2.59	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.81	3.53														
T-309		174.75	29.13	2.81		2.7	1.63	3.16	2.59	1.74	0.63	ND	0.77	ND	0.57	0.88	ND	1.04	2.3														
T-310		130.43	21.74	2.2		3.71	ND	2.23	ND	4.89	ND	ND	ND	ND	ND	ND	ND	2.5	ND														
T-311		73.04	12.17	3	ND		ND	1.98	ND	ND	ND		0.69	ND	ND	ND	ND	ND	ND														
T-312		5884.6	980.77	2.98		3.67	172.44	4.04	3.67	8.07	86.88	28.24	65.16	46.26	23.98	23.33	1.73	3.14															
T-313		131.72	21.95	2.76		3.08	1.77	2.55	2.42	1.63	0.6	ND	ND	ND	1.62	ND	ND	ND	ND														
T-314	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-401		128.41	21.4	4.05		3.73	0.64	2.48	1.23	1.29	ND	ND	ND	ND	ND	ND	ND	1.47	3.39														
T-402		84.29	14.05	3.24		7.59	ND	1.98	ND	ND	ND	ND	ND	ND	ND	ND	2.91	ND	ND														
T-403	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-404	ND	ND		2.36		5.09	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-405		89.47	14.91	2.33		2.96	ND	2.8	ND	1.73	ND	ND	ND	ND	ND	ND	ND	1.47	2.68														
T-406	ND	ND		ND		ND		1.63	ND	ND	ND	ND	ND	ND	ND	ND	ND		3.73														
T-407		74.96	12.49	2.14		4.32	ND	2.05	2.47	1.95	ND	ND	ND	ND	0.81	ND		0.76	ND														
T-408		119.12	19.85	7.63		5.71	ND		ND	4.72	ND	ND	ND	ND	ND	ND		0.74	ND														
T-409		99.72	16.62	6.86		2.93	ND	1.43	1.19	4.21	ND	0.4	ND	ND	ND	ND		1.01	ND														
T-410	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-501		89.66	14.94	3.09		2.7	ND	3.15	2.25	1.71	ND	ND	ND	ND	0.53	ND		1.43	ND														
T-502		74.18	12.36	2.56		3.19	ND	2.93	1.39	1.55	ND	ND	ND	ND	1.77	ND		0.97	3.59														
T-503	ND	ND		1.69		ND	ND		ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND	ND														
T-504	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.92	ND														
T-505	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	0.63	ND		0.82	ND														
T-506	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	0.61	ND		0.76	ND														
T-507		62.26	10.38	2.82		2.92	ND	2.82	2.5	1.76	ND	ND	ND	ND	ND	ND		0.77	ND														
T-508	ND	ND		2.03		2.79	ND	1.78	1.2	1.37	ND	ND	ND	ND	ND	ND	ND		2.04														
T-509		118.17	19.69	4.37		3.54		2.96	2.62	1.87	ND		2.13	ND	ND	ND	ND	1.9	3.86														
T-510	ND	ND		1.9	ND		0.53	1.91	ND	ND	ND		0.71	ND	ND	ND	ND	ND	ND														
T-601		59.86	9.98	3.22		4.94	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.4	ND														
T-602		148.94	24.82	5.01		6.88	ND	2.81	2.94	1.76	ND		1.16	ND	1.09	ND		1.4	ND														
T-603		314.16	52.36	3.53		5.22	ND	2.3	4.78	1.96	1.09		1.69	0.89	2.32	0.93		1.73	ND														
T-604	ND	ND		2.88		3.33	ND	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
T-605		150.89	25.15	3.13		4.16	1.46	1.38	4.69	2.72	ND	ND	ND	ND	ND	0.45	ND	1.22	ND														
T-606		45.98	7.66	1.53		2.23	ND	1.39	ND		ND	1.14	ND	ND	ND		ND	ND	ND														
T-607		328.97	54.83	17.46		5.64	0.65	4.92	12.15	6.45	ND	0.54	ND	ND	0.77	ND																	
T-608		268.18	44.7	5.96		2.66	1.24	3.61	6.16	5.4	ND	ND	ND	1	ND	1.01		1.38	ND														
T-609		266.55	44.43	7.43		5.31	ND	6.17	4.71	3.19	ND	ND	ND	1.26	ND	0.91		ND	ND														
T-610	ND	ND		1.68	ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														

Sample Number	Total Non-Methane Hydrocarbons-C1					Total Non-Methane Hydrocarbons-C6																
	CAS MW	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1					
	MDL	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1					
MDL (ppbv)																						
T-101	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-102	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-103	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-104	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-105	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-106	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-107	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-108	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-109	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-110	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-111	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-112	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-113	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-114	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-201	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-202	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-203	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-204	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-205	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-206	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-207	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-208	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-209	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-210	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-211	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-212	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-213	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-214	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-301	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-302	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-303	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-304	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-305	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-306	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-307	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-308	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-309	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-310	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-311	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-312	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-313	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-314	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-401	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-402	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-403	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-404	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-405	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-406	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-407	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-408	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-409	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-410	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-501	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-502	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-503	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-504	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-505	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-506	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-507	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-508	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-509	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-510	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-601	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-602	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-603	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					
T-604	45		7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2					

Table 4 TO-14

Shaded Compounds are all ND

Table 4
Chiquita Canyon July 2025 Test Event
TO-14 Compounds

Sample Number	Total Non-Methane Hydrocarbons-C1		Total Non-Methane Hydrocarbons-C6		Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene
	CAS	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1	
	MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1	
Data used (ug/m3)																		
T-101	<1.45E+01	<1.30E+01	4	4	<1.15E+00	<1.13E+00	<1.17E+00	<1.17E+00	<1.08E+00	<1.08E+00	<1.15E+00	<1.08E+00	<1.08E+00	<1.07E+00	<1.05E+00	<1.13E+00		
T-102	32	28	4	<1.22E+00	<1.15E+00	3	<1.18E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.05E+00	<1.14E+00		
T-103	<1.47E+01	<1.32E+01	<1.20E+00	3	<1.16E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.06E+00	<1.15E+00		
T-104	460	413	<1.23E+00	<1.26E+00	<1.19E+00	53	<1.22E+00	<1.21E+00	6	13	5	44	31	31	<1.09E+00	<1.18E+00		
T-105	38	34	10	6	<1.13E+00	4	<1.16E+00	4	<1.06E+00	<1.07E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.06E+00	<1.04E+00	<1.12E+00		
T-106	<1.42E+01	<1.28E+01	<1.16E+00	3	<1.13E+00	3	<1.15E+00	4	<1.06E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.05E+00	<1.03E+00	<1.11E+00		
T-107	86	77	6	4	<1.11E+00	3	11	13	<1.05E+00	3	<1.12E+00	<1.05E+00	<1.05E+00	<1.04E+00	5	<1.10E+00		
T-108	84	75	5	4	<1.11E+00	<1.09E+00	3	7	<1.04E+00	2	<1.11E+00	<1.04E+00	12	<1.03E+00	5	<1.09E+00		
T-109	30	27	<1.14E+00	3	<1.10E+00	3	3	5	<1.03E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.03E+00	<1.03E+00	<1.01E+00	<1.09E+00		
T-110	40	36	4	<1.19E+00	<1.13E+00	6	4	5	<1.06E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.05E+00	<1.03E+00	<1.11E+00		
T-111	32	29	<1.13E+00	<1.15E+00	<1.09E+00	<1.08E+00	<1.11E+00	<1.11E+00	<1.02E+00	<1.03E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.02E+00	3	<1.08E+00		
T-112	109	98	21	15	<1.11E+00	18	11	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.05E+00	8	<1.04E+00	<1.02E+00	3		
T-113	107	96	19	14	<1.11E+00	17	11	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.04E+00	<1.02E+00	<1.10E+00		
T-114	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00		
T-201	47	42	11	3	<1.18E+00	<1.16E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.08E+00	<1.17E+00	
T-202	49	44	7	8	<1.18E+00	2	4	<1.20E+00	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.08E+00	<1.16E+00	
T-203	39	35	3	3	<1.19E+00	<1.17E+00	<1.21E+00	3	<1.11E+00	<1.12E+00	<1.19E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.17E+00		
T-204	38	34	4	3	<1.19E+00	3	4	6	<1.12E+00	<1.13E+00	<1.20E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.09E+00	<1.18E+00		
T-205	60	54	9	4	<1.15E+00	5	<1.18E+00	<1.17E+00	<1.08E+00	4	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.06E+00	<1.14E+00		
T-206	35	31	<1.18E+00	<1.21E+00	6	<1.13E+00	5	<1.16E+00	<1.07E+00	3	<1.15E+00	<1.07E+00	3	<1.07E+00	3	<1.13E+00		
T-207	81	72	4	<1.20E+00	6	5	5	<1.15E+00	<1.06E+00	<1.07E+00	<1.14E+00	<1.06E+00	2	<1.06E+00	8	<1.12E+00		
T-208	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00	
T-209	142	127	3	<1.20E+00	7	4	<1.16E+00	<1.15E+00	2	<1.07E+00	<1.14E+00	2	2	9	5	29	<1.12E+00	
T-210	49	44	4	<1.20E+00	<1.13E+00	3	3	7	<1.06E+00	3	<1.13E+00	<1.06E+00	2	<1.06E+00	<1.04E+00	3		
T-211	68	61	3	7	<1.13E+00	4	4	7	<1.06E+00	4	<1.14E+00	<1.06E+00	3	<1.06E+00	6	3		
T-212	74	66	<1.16E+00	<1.19E+00	<1.13E+00	<1.11E+00	<1.15E+00	<1.14E+00	<1.06E+00	3	<1.13E+00	<1.06E+00	6	<1.05E+00	<1.03E+00	<1.11E+00		
T-213	52	46	<1.16E+00	<1.19E+00	<1.13E+00	<1.11E+00	3	<1.14E+00	4	2	<1.13E+00	<1.06E+00	7	<1.05E+00	<1.03E+00	<1.11E+00		
T-214	<1.48E+01	<1.33E+01	4	<1.23E+00	<1.17E+00	3	4	7	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00		
T-301	241	216	6	3	<1.18E+00	4	5	8	<1.11E+00	19	<1.18E+00	<1.11E+00	4	5	3	<1.16E+00		
T-302	253	227	27	4	<1.20E+00	5	27	8	<1.13E+00	3	<1.20E+00	<1.11E+00	4	10	3	4	<1.19E+00	
T-303	<1.49E+01	<1.34E+01	<1.22E+00	3	<1.18E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.10E+00	2	<1.16E+00	
T-304	90	81	5	6	<1.18E+00	3	6	13	<1.11E+00	9	<1.18E+00	<1.11E+00	<1.11E+00	<1.11E+00	3	6		
T-305	390	350	6	3	4	4	2	9	<1.02E+00	122	<1.09E+00	9	35	3	3	<1.07E+00		
T-306	321	289	6	4	9	4	2	9	7	2	36	6	8	59	7	2		
T-307	319	286	29	8	<1.10E+00	9	42	<1.11E+00	<1.03E+00	13	<1.10E+00	<1.03E+00	4	3	5	8		
T-308	32	29	<1.15E+00	3	<1.11E+00	<1.10E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.05E+00	<1.04E+00	2	4		
T-309	106	96	5	3	9	5	6	5	<1.02E+00	4	3	4	<1.01E+00	3	2	2		
T-310	76	68	4	4	<1.04E+00	3	<1.06E+00	13	<9.74E-01	<9.79E-01	<1.04E+00	<9.74E-01	<9.74E-01	<9.68E-01	7	<1.02E+00		
T-311	44	39	5	<1.13E+00	<1.07E+00	3	<1.09E+00	<1.08E+00	<1.00E+00	3	<1.07E+00	<1.00E+00	<1.00E+00	<9.96E-01	<9.77E-01	<1.05E+00		
T-312	3,563	3,199	5	4	929	6	8	22	395	143	316	210	109	94	5	3		
T-313	80	72	5	4	10	4	5	4	3	<1.02E+00	<1.08E+00	<1.01E+00	7	<1.00E+00	<9.85E-01	<1.06E+00		
T-314	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00	
T-401	84	76	7	5	4	4	3	4	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	5	4		
T-402	56	50	6	9	<1.18E+00	3	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	13	<1.08E+00	<1.16E+00		
T-403	<1.48E+01	<1.33E+01	<1.21E+00	<1.24E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.16E+00		
T-404	<1.47E+01	<1.32E+01	4	6	<1.16E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.06E+00	<1.15E+00		
T-405	57	51	4	4	<1.13E+00	5	<1.16E+00	5	<1.06E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.06E+00	5	3		
T-406	<1.44E+01	<1.29E+01	<1.18E+00	<1.21E+00	<1.14E+00	3	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.07E+00	<1.06E+00	<1.04E+00	4		
T-407	48	43	4	5	<1.15E+00	3	6	6	<1.08E+00	<1.08E+00	<1.15E+00	<1.08E+00	4	<1.07E+00	2	<1.13E+00		
T-408	77	69	14	7	<1.15E+00	<1.14E+00	<1.18E+00	14	<1.08E+00	<1.09E+00	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	2	<1.14E+00		
T-409	65	58	12	4	<1.15E+00	2	3	12	<1.08E+00	2	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	3	<1.14E+00		
T-410	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00		
T-501	59	53	6	3	<1.18E+00	5	5	5	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	3	<1.10E+00	5	<1.16E+00		
T-502	49	44	5	4	<1.17E+00	5	3	5	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	9	<1.09E+00	3	4		
T-503	<1.48E+01	<1.33E+01	3	<1.24E+00	<1.17E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	4	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.16E+00		
T-504	<1.49E+01	<1.34E+01	<1.22E+00	<1.24E+00	<1.18E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.10E+00	3	<1.16E+00	
T-505	<1.46E+01	<1.31E+01	<1.19E+00	<1.22E+00	<1.15E+00	<1.14E+00	<1.18E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.15E+00	<1.08E+00	3	<1.08E+00	3	<1.14E+00		
T-506	<1.4																	

Table 4 TO-14

Shaded Compounds are all ND

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Table 4
Chiquita Canyon July 2025 Test Event
TO-14 Compounds

Sample Number	Total Non-Methane Hydrocarbons-C1										Total Non-Methane Hydrocarbons-C6										Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene
	CAS	TNMHC	C1	TNMHC	C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1															
	MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1																	
Flux (mg/m2-min)																																		
T-101	<1.30E-03	<1.17E-03	0.00039	0.00034	<1.03E-04	<1.02E-04	<1.05E-04	<1.05E-04	<9.67E-05	<9.71E-05	<1.03E-04	<9.67E-05	<9.67E-05	<9.61E-05	<9.42E-05	<1.02E-04																		
T-102	0.00177	0.00159	0.00024	<6.85E-05	<6.48E-05	0.00018	<6.61E-05	<6.57E-05	<6.08E-05	<6.11E-05	<6.49E-05	<6.08E-05	<6.08E-05	<6.04E-05	<5.93E-05	<6.40E-05																		
T-103	<1.11E-03	<9.99E-04	<9.09E-05	0.00025	<8.80E-05	<8.67E-05	<8.98E-05	<8.93E-05	<8.26E-05	<8.30E-05	<8.81E-05	<8.26E-05	<8.26E-05	<8.21E-05	<8.05E-05	<8.68E-05																		
T-104	0.02185	0.01962	<5.85E-05	<5.99E-05	<5.66E-05	0.00251	<5.78E-05	<5.75E-05	0.00029	0.00064	0.00023	0.00209	0.00148	0.00146	<5.18E-05	<5.59E-05																		
T-105	0.00166	0.00149	0.00041	0.00024	<4.90E-05	0.00019	<5.00E-05	0.00019	<4.60E-05	<4.62E-05	<4.91E-05	<4.60E-05	<4.60E-05	<4.57E-05	<4.48E-05	<4.83E-05																		
T-106	<6.82E-04	<6.12E-04	<5.57E-05	0.00015	<5.39E-05	0.00015	<5.50E-05	0.00015	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05	<5.03E-05	<4.93E-05	<5.32E-05																		
T-107	0.00549	0.00493	0.00040	0.00028	<7.12E-05	0.00021	0.00069	0.00082	<6.68E-05	0.00016	<7.13E-05	<6.68E-05	<6.68E-05	<6.64E-05	0.00030	<7.03E-05																		
T-108	0.01295	0.01163	0.00074	0.00064	<1.71E-04	<1.69E-04	0.00039	0.00108	<1.60E-04	0.00036	<1.71E-04	<1.60E-04	0.00187	<1.59E-04	0.00072	<1.69E-04																		
T-109	0.00145	0.00130	<5.50E-05	0.00013	<5.32E-05	0.00014	0.00016	0.00026	<5.00E-05	<5.02E-05	<5.33E-05	<5.00E-05	<5.00E-05	<4.97E-05	<4.87E-05	<5.26E-05																		
T-110	0.00169	0.00152	0.00017	<5.08E-05	<4.80E-05	0.00025	0.00018	0.00021	<4.51E-05	<4.53E-05	<4.81E-05	<4.51E-05	<4.51E-05	<4.48E-05	<4.39E-05	<4.74E-05																		
T-111	0.00953	0.00856	<3.33E-04	<3.40E-04	<3.22E-04	<3.17E-04	<3.29E-04	<3.27E-04	<3.02E-04	<3.04E-04	<3.23E-04	<3.02E-04	<3.02E-04	<3.00E-04	0.00092	<3.18E-04																		
T-112	0.00601	0.00540	0.00117	0.00085	<6.15E-05	0.00100	0.00062	<6.24E-05	<5.77E-05	<5.80E-05	<6.16E-05	<5.77E-05	0.00045	<5.74E-05	<5.63E-05	0.00019																		
T-113	0.00520	0.00467	0.00092	0.00066	<5.39E-05	0.00082	0.00053	<5.47E-05	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05	<5.03E-05	<4.93E-05	<5.32E-05																		
T-114	<6.18E-04	<5.55E-04	<5.04E-05	<5.16E-05	<4.88E-05	<4.81E-05	<4.98E-05	<4.95E-05	<4.58E-05	<4.60E-05	<4.89E-05	<4.58E-05	<4.58E-05	<4.55E-05	<4.47E-05	<4.82E-05																		
T-201	0.00220	0.00198	0.00053	0.00015	<5.52E-05	<5.45E-05	<5.64E-05	<5.60E-05	<5.18E-05	<5.21E-05	<5.53E-05	<5.18E-05	<5.18E-05	<5.15E-05	<5.05E-05	<5.45E-05																		
T-202	0.00253	0.00227	0.00035	0.00040	<6.06E-05	0.00012	0.00023	<6.15E-05	<5.69E-05	<5.72E-05	<6.07E-05	<5.69E-05	<5.69E-05	<5.66E-05	<5.55E-05	<5.99E-05																		
T-203	0.00152	0.00137	0.00010	0.00011	<4.65E-05	<4.58E-05	<4.75E-05	0.00011	<4.36E-05	<4.38E-05	<4.66E-05	<4.36E-05	<4.36E-05	<4.34E-05	<4.25E-05	<4.59E-05																		
T-204	0.00204	0.00184	0.00020	0.00019	<6.37E-05	0.00015	0.00022	0.00034	<5.97E-05	<6.00E-05	<6.38E-05	<5.97E-05	<5.97E-05	<5.94E-05	<5.82E-05	<6.28E-05																		
T-205	0.00262	0.00235	0.00040	0.00016	<4.99E-05	0.00021	<5.10E-05	<5.07E-05	<4.69E-05	0.00016	<5.00E-05	<4.69E-05	<4.69E-05	<4.66E-05	<4.57E-05	<4.93E-05																		
T-206	0.00235	0.00211	<7.95E-05	<8.14E-05	0.00039	<7.59E-05	0.00036	<7.81E-05	<7.23E-05	0.00022	<7.71E-05	<7.23E-05	0.00017	<7.18E-05	0.00020	<7.60E-05																		
T-207	0.00357	0.00321	0.00018	<5.31E-05	0.00027	0.00021	0.00020	<5.09E-05	<4.71E-05	<4.74E-05	<5.03E-05	<4.71E-05	<4.71E-05	0.00034	0.00040	<4.96E-05																		
T-208	<6.44E-04	<5.78E-04	<5.26E-05	<5.39E-05	<5.09E-05	<5.02E-05	<5.20E-05	<5.17E-05	<4.78E-05	<4.80E-05	<5.10E-05	<4.78E-05	<4.78E-05	<4.75E-05	<4.66E-05	<5.03E-05																		
T-209	0.00602	0.00540	0.00014	<5.10E-05	0.00028	0.00016	<4.93E-05	<4.90E-05	0.00010	<4.55E-05	<4.84E-05	0.00010	0.00038	0.00022	0.00124	<4.77E-05																		
T-210	0.00234	0.00210	0.00018	<5.67E-05	<5.36E-05	0.00013	0.00014	0.00035	<5.03E-05	0.00014	<5.37E-05	<5.03E-05	0.00011	<5.00E-05	<4.91E-05	0.00013																		
T-211	0.00302	0.00272	0.00014	0.00029	<5.02E-05	0.00019	0.00018	0.00032	<4.71E-05	0.00019	<5.03E-05	<4.71E-05	0.00011	<4.69E-05	0.00029	0.00012																		
T-212	0.00304	0.00273	<4.78E-05	<4.90E-05	<4.63E-05	<4.57E-05	<4.73E-05	<4.70E-05	<4.35E-05	0.00012	<4.64E-05	<4.35E-05	0.00024	<4.32E-05	<4.24E-05	<4.57E-05																		
T-213	0.00238	0.00214	<5.37E-05	<5.50E-05	<5.20E-05	<5.13E-05	0.00016	<5.28E-05	0.00018	0.00011	<5.21E-05	<4.88E-05	0.00032	<4.85E-05	<4.76E-05	<5.13E-05																		
T-214	<6.76E-04	<6.07E-04	0.00018	<5.66E-05	<5.35E-05	0.00015	0.00018	0.00030	<5.02E-05	<5.04E-05	<5.36E-05	<5.02E-05	<5.02E-05	<4.99E-05	<4.89E-05	<5.28E-05																		
T-301	0.01733	0.01556	0.00041	0.00023	<8.48E-05	0.00026	0.00039	0.00060	<7.96E-05	0.00136	<8.49E-05	<7.96E-05	0.00028	0.00033	0.00018	<8.37E-05																		
T-302	0.00988	0.00887	0.00107	0.00014	<4.69E-05	0.00021	0.00105	0.00031	<4.40E-05	0.00013	<4.70E-05	0.00015	0.00037	0.00011	0.00015	<4.63E-05																		
T-303	<6.41E-04	<5.76E-04	<5.24E-05	0.00014	<5.07E-05	<5.00E-05	<5.17E-05	<5.14E-05	<4.78E-05	<4.78E-05	<5.08E-05	<4.76E-05	<4.76E-05	<4.73E-05	0.00010	<5.00E-05																		
T-304	0.00443	0.00398	0.00027	0.00029	<5.80E-05	0.00014	0.00032	0.00066	<5.45E-05	0.00044	<5.81E-05	<5.45E-05	<5.45E-05	<5.41E-05	0.00014	0.00032																		
T-305	0.03198	0.02872	0.00052	0.00023	0.00036	0.00033	0.00019	0.00076	<8.35E-05	0.01003	<8.91E-05	0.00074	0.00285	0.00026	0.00028	<8.78E-05																		
T-306	0.05529	0.04965	0.00100	0.00071	0.00153	0.00066	0.00043	0.00156	0.00113	0.00038	0.00625	0.00106	0.00142	0.01020	0.00113	0.00038																		
T-307	0.01965	0.01764	0.00176	0.00050	<6.76E-05	0.00053	0.00261	<6.86E-05	<6.35E-05	0.00077	<6.77E-05	<6.35E-05	0.00024	0.00017	0.00033																			

Sample Number	Chemical Compounds																	
	CAS MW	103-65-1 120.2	1120-21-4 156.3	624-64-6 56.1	622-96-8 120.2	96-14-0 86.2	108-08-7 100.2	109-66-0 72.1	589-34-4 100.2	95-47-6 106.2	105-05-5 134.2	106-98-9 56.1	565-59-3 100.2	107-83-5 86.2	110-54-3 86.2	620-14-4 120.2	110-82-7 84.2	
	n-Propylbenzene	Undecane	2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-Xylene	1,4-Diethylbenzene	1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane		
Lab Data (ppbv)																		
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	
T-102	ND	ND	ND	1.56	ND	0.94	ND	ND	ND	ND	ND	1.06	ND	ND	ND	ND	ND	
T-103	0.83	ND	1.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-104	12.52	0.49	ND	1.92	ND	1.85	ND	ND	0.63	ND	ND	ND	ND	ND	ND	7.69	ND	
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-107	ND	ND	ND	ND	1.34	ND	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-108	ND	ND	ND	ND	ND	ND	2.27	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.04	ND	ND	ND	ND	ND	ND	
T-110	ND	ND	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.12	ND	ND	ND	
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.25	ND	ND	ND	
T-112	ND	ND	ND	ND	0.73	ND	ND	ND	ND	ND	1.43	ND	ND	ND	ND	ND	ND	
T-113	ND	ND	3.43	ND	1.19	ND	ND	ND	ND	ND	1.44	ND	ND	ND	ND	ND	ND	
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-201	ND	ND	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	1.77	ND	ND	ND	
T-202	ND	ND	1.15	0.75	ND	ND	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-203	ND	ND	ND	ND	1.17	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	ND	ND	
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	2.09	ND	ND	ND	ND	0.45	ND	
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	ND	
T-207	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	ND	ND	
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.03	ND	ND	
T-209	1.21	ND	ND	0.79	ND	ND	ND	ND	ND	0.43	ND	ND	ND	ND	1.48	ND	ND	
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	
T-211	0.69	ND	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-212	ND	ND	1.24	ND	ND	ND	ND	1.32	0.51	0.47	ND	ND	ND	ND	ND	0.73	ND	
T-213	ND	ND	1.02	ND	ND	ND	ND	1.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-301	1.16	ND	1.24	0.51	8.18	ND	ND	1.5	0.79	ND	ND	2.8	13.29	ND	ND	ND	4.91	
T-302	1.74	ND	1.55	1.4	2.36	0.75	3	1.84	ND	ND	ND	1.49	1.87	0.83	ND	ND	2.6	
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-304	0.63	ND	1.56	ND	ND	ND	0.83	ND	ND	ND	ND	1.23	ND	ND	ND	ND	ND	
T-305	ND	0.61	ND	2.23	ND	ND	ND	1.82	ND	ND	ND	ND	ND	4.19	ND	1.56	4.35	
T-306	0.71	ND	ND	3.53	1.82	ND	ND	ND	5.84	ND	ND	1.68	ND	ND	1.08	0.72	ND	
T-307	2.89	ND	1.61	0.88	3.46	1.4	9.38	2.86	1.16	ND	ND	1.46	2.31	2.73	ND	ND	5.04	
T-308	ND	ND	1.77	ND	0.89	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-309	1.94	0.62	1.96	1.33	0.83	ND	ND	ND	0.58	ND	ND	ND	ND	ND	0.72	ND	ND	
T-310	1.8	ND	ND	0.74	ND	ND	ND	0.7	ND	ND	1.57	ND	ND	ND	ND	ND	ND	
T-311	2.52	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-312	4.86	31.67	ND	14.88	ND	24.12	ND	1.61	10.91	22.61	ND	10.96	1.35	ND	6.02	ND	ND	
T-313	ND	0.9	ND	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND	1.24	ND	ND	ND	
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-401	ND	ND	ND	ND	0.87	ND	1.96	ND	0.98	ND	2.06	ND	ND	0.95	ND	ND	ND	
T-402	ND	ND	1.28	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	
T-403	ND	ND	1.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	
T-405	ND	ND	2	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	0.91	ND	ND	ND	
T-406	ND	ND	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73	ND	ND	ND	
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	2.41	ND	ND	ND	ND	ND	0.76	
T-409	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-501	2.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-504	ND	ND	2.14	ND	ND	ND	ND	ND	ND	ND	1.09	ND	ND	ND	ND	ND	ND	
T-505	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-506	ND	ND	1.87	ND	ND	ND	ND	ND	ND	ND	1.55	ND	ND	ND	ND	ND	ND	
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-601	ND	ND	ND	ND	0.75	ND	ND	ND	ND	ND	1.26	ND	ND	ND	ND	ND	ND	
T-602	0.55	0.75	ND	0.7	1.91	ND	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND	
T-603	1	1.58	ND	2.45	ND	ND	ND	3.05	1.7	0.88	ND	2.86	ND	ND	ND	ND	ND	
T-604	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-605	ND	ND	ND	0.55	ND	ND	1.22	ND	1.02	ND	ND	0.58	ND	0.99	ND	ND	ND	
T-606	ND	ND	ND	ND	ND	ND	ND	0.82	ND	ND	1.45	ND	ND	ND	ND	ND	ND	
T-607	1.74	ND	ND	0.8	0.78	ND	4.9	1.19	ND	ND	ND	0.61	0.69	1.1	ND	1.2	ND	
T-608	ND	ND	ND	ND	0.79	ND	1.16	4.68	0.93	ND	ND	1.68	ND	ND	ND	ND	ND	
T-609	ND	ND	ND	ND	0.76	ND	1.99	5.04	0.91	ND	ND	1.79	ND	ND	1.35	ND	ND	
T-610	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Sample Number	Benzene																	Toluene																	Xylenes																	Other Aromatics																
	Benzene																	Toluene																	Xylenes																	Other Aromatics																
	CAS MW	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7	120.2	156.3	120.2	86.2	100.2	106.2	134.2	56.1	100.2	86.2	120.2	84.2																																							
MDL (ppbv)	T-101	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-102	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-103	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-104	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-105	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-106	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-107	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-108	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-109	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-110	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-111	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-112	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-113	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-114	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-201	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-202	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-203	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-204	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-205	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-206	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-207	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-208	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-209	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-210	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-211	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-212	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-213	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-214	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-301	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.6666667	0.4444444	0.6666667	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667																																			
T-302	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1																																																									

Table 4 TO-14

Shaded Compounds are all ND

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Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	CAS MW	n-propylbenzene 103-65-1 120.2	Undecane 1120-21-4 156.3	t-2-Butene 624-64-6 56.1	4-Ethyltoluene 622-96-8 120.2	3-Methylpentane 96-14-0 86.2	2,4-Dimethylpentane 108-08-7 100.2	n-Pentane 109-66-0 72.1	3-Methylhexane 589-34-4 100.2	o-xylene 95-47-6 106.2	1,4-Diethylbenzene 105-05-5 134.2	1-Butene 106-98-9 56.1	2,3-Dimethylpentane 565-59-3 100.2	2-Methylpentane 107-83-5 86.2	n-Hexane 110-54-3 86.2	3-Ethyltoluene 620-14-4 120.2	Cyclohexane 110-82-7 84.2
Data used (ug/n																	
T-101		<1.08E+00	<1.15E+00	<1.13E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	3	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.13E+00
T-102		<1.08E+00	<1.15E+00	4	<1.08E+00	3	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	2	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.14E+00
T-103		4	<1.16E+00	3	<1.09E+00	<1.17E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.15E+00
T-104		63	3	<1.17E+00	10	<1.20E+00	8	<1.21E+00	<1.20E+00	3	<1.12E+00	<1.17E+00	<1.20E+00	<1.20E+00	<1.20E+00	39	<1.18E+00
T-105		<1.06E+00	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.12E+00
T-106		<1.06E+00	<1.12E+00	<1.11E+00	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.11E+00
T-107		<1.05E+00	<1.11E+00	<1.10E+00	<1.05E+00	5	<1.12E+00	3	<1.12E+00	<1.04E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-108		<1.04E+00	<1.11E+00	<1.09E+00	<1.04E+00	<1.12E+00	<1.11E+00	6	<1.11E+00	2	<1.04E+00	<1.09E+00	<1.11E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.09E+00
T-109		<1.03E+00	<1.10E+00	<1.08E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.04E+00	4	<1.11E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.08E+00
T-110		<1.06E+00	<1.13E+00	3	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	4	<1.06E+00	<1.11E+00
T-111		<1.02E+00	<1.09E+00	<1.07E+00	<1.02E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.02E+00	<1.03E+00	<1.07E+00	<1.10E+00	<1.10E+00	4	<1.02E+00	<1.08E+00
T-112		<1.05E+00	<1.11E+00	<1.10E+00	<1.05E+00	2	<1.12E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	3	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-113		<1.05E+00	<1.11E+00	8	<1.05E+00	4	<1.12E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	3	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-114		<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-201		<1.11E+00	<1.18E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	2	<1.19E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.19E+00	6	<1.11E+00	<1.16E+00
T-202		<1.11E+00	<1.18E+00	3	4	<1.19E+00	<1.19E+00	3	<1.19E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-203		<1.11E+00	<1.19E+00	<1.17E+00	<1.11E+00	4	4	<1.20E+00	<1.19E+00	<1.11E+00	<1.12E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-204		<1.12E+00	<1.19E+00	<1.18E+00	<1.12E+00	<1.21E+00	<1.20E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.13E+00	<1.18E+00	<1.20E+00	<1.21E+00	3	<1.12E+00	<1.18E+00
T-205		<1.08E+00	<1.15E+00	<1.14E+00	<1.08E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	5	5	<1.16E+00	<1.17E+00	<1.17E+00	2	<1.14E+00
T-206		<1.07E+00	<1.14E+00	<1.13E+00	<1.07E+00	<1.16E+00	<1.15E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.08E+00	<1.13E+00	<1.15E+00	<1.16E+00	4	<1.07E+00	<1.13E+00
T-207		5	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	5	<1.06E+00	<1.12E+00
T-208		<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	4	<1.10E+00	<1.15E+00
T-209		6	<1.13E+00	<1.12E+00	4	<1.15E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	2	<1.12E+00	<1.14E+00	<1.15E+00	5	<1.07E+00	<1.12E+00
T-210		<1.06E+00	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	3	<1.06E+00	<1.12E+00
T-211		3	<1.13E+00	3	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.12E+00
T-212		<1.06E+00	<1.12E+00	3	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	5	2	2	<1.11E+00	<1.13E+00	<1.14E+00	3	<1.11E+00	
T-213		<1.06E+00	<1.12E+00	2	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	6	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.11E+00
T-214		<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-301		6	<1.18E+00	3	3	29	<1.19E+00	<1.19E+00	6	3	<1.11E+00	<1.16E+00	12	47	<1.19E+00	<1.11E+00	17
T-302		9	<1.20E+00	4	7	9	3	9	8	<1.12E+00	<1.13E+00	<1.18E+00	6	7	3	<1.13E+00	9
T-303		<1.10E+00	<1.17E+00	<1.16E+00	<1.10E+00	<1.19E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.18E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.16E+00
T-304		3	<1.18E+00	4	<1.11E+00	<1.19E+00	<1.19E+00	2	<1.19E+00	<1.10E+00	<1.11E+00	3	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-305		<1.02E+00	4	<1.07E+00	10	<1.09E+00	<1.09E+00	<1.10E+00	7	<1.01E+00	<1.02E+00	<1.07E+00	<1.09E+00	14	<1.09E+00	7	14
T-306		3	<1.10E+00	<1.09E+00	16	6	<1.11E+00	<1.12E+00	<1.11E+00	24	<1.04E+00	4	<1.11E+00	<1.11E+00	<1.11E+00	5	2
T-307		13	<1.10E+00	3	4	12	5	26	11	5	<1.04E+00	<1.08E+00	6	8	9	<1.03E+00	16
T-308		<1.05E+00	<1.11E+00	4	<1.05E+00	3	3	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-309		9	4	4	6	3	<1.09E+00	<1.10E+00	<1.09E+00	2	<1.02E+00	<1.07E+00	<1.09E+00	<1.09E+00	<1.09E+00	3	<1.07E+00
T-310		8	<1.04E+00	<1.02E+00	3	<1.05E+00	<1.04E+00	<1.05E+00	3	<9.68E-01	<9.79E-01	3	<1.04E+00	<1.05E+00	<1.05E+00	<9.74E-01	<1.02E+00
T-311		11	<1.07E+00	<1.05E+00	2	<1.08E+00	<1.07E+00	<1.08E+00	<1.07E+00	<9.96E-01	<1.01E+00	<1.05E+00	<1.07E+00	<1.08E+00	<1.08E+00	<1.00E+00	<1.05E+00
T-312		22	187	<1.06E+00	68	<1.09E+00	91	<1.09E+00	6	44	115	<1.06E+00	42	4	<1.09E+00	27	<1.06E+00
T-313		<1.01E+00	5	<1.06E+00	<1.01E+00	3	<1.08E+00	<1.09E+00	<1.08E+00	<1.00E+00	<1.02E+00	<1.06E+00	<1.08E+00	<1.09E+00	4	<1.01E+00	<1.06E+00
T-314		<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-401		<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	3	<1.17E+00	6	<1.17E+00	4	<1.10E+00	5	<1.17E+00	<1.18E+00	3	<1.10E+00	<1.15E+00
T-402		<1.10E+00	<1.17E+00	3	<1.10E+00	<1.19E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.10E+00	3	<1.16E+00	<1.18E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.16E+00
T-403		<1.10E+00	<1.17E+00	4	<1.10E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-404		<1.09E+00	<1.16E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.17E+00	3	<1.09E+00	<1.15E+00
T-405		<1.06E+00	<1.13E+00	4	<1.06E+00	3	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	3	<1.06E+00	<1.12E+00
T-406		<1.07E+00	<1.14E+00	3	<1.07E+00	<1.15E+00	<1.15E+00	<1.16E+00	<1.15E+00	<1.06E+00	<1.08E+00	<1.12E+00	<1.15E+00	<1.15E+00	3	<1.07E+00	<1.12E+00
T-407		<1.08E+00	<1.15E+00	<1.13E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	2	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.13E+00
T-408		<1.08E+00	<1.15E+00	<1.14E+00	<1.08E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	3	5	<1.16E+00	<1.17E+00	<1.17E+00	<1.08E+00	3
T-409		<1.08E+00	<1.15E+00	<1.14E+00	<1.08												

Table 4 TO-14

Shaded Compounds are all ND

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Table 4
Chiquita Canyon
TO-14 Compound

Sample Number	n-propylbenzene	Undecane	t-2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-xylene	1,4-Diethylbenzene	1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane
CAS MW	103-65-1 120.2	1120-21-4 156.3	624-64-6 56.1	622-96-8 120.2	96-14-0 86.2	108-08-7 100.2	109-66-0 72.1	589-34-4 100.2	95-47-6 106.2	105-05-5 134.2	106-98-9 56.1	565-59-3 100.2	107-83-5 86.2	110-54-3 86.2	620-14-4 120.2	110-82-7 84.2
Flux (mg/m2-mi)																
T-101	<6.67E-05	<1.03E-04	<1.02E-04	<9.67E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.04E-04	<9.61E-05	<9.71E-05	0.00029	<1.04E-04	<1.04E-04	<1.04E-04	<9.67E-05	<1.02E-04
T-102	<6.08E-05	<6.47E-05	0.00020	<6.08E-05	0.00018	<6.52E-05	<6.57E-05	<6.52E-05	<6.04E-05	<6.11E-05	0.00014	<6.52E-05	<6.54E-05	<6.54E-05	<6.08E-05	<6.39E-05
T-103	0.00031	<8.78E-05	0.00026	<8.26E-05	<8.88E-05	<8.85E-05	<8.91E-05	<8.85E-05	<8.21E-05	<8.30E-05	<8.67E-05	<8.85E-05	<8.88E-05	<8.88E-05	<8.26E-05	<8.67E-05
T-104	0.00299	0.00015	<5.58E-05	0.00046	<5.72E-05	0.00037	<5.74E-05	<5.70E-05	0.00013	<5.34E-05	<5.58E-05	<5.70E-05	<5.72E-05	<5.72E-05	0.00184	<5.58E-05
T-105	<4.60E-05	<4.89E-05	<4.83E-05	<4.60E-05	<4.94E-05	<4.93E-05	<4.96E-05	<4.93E-05	<4.57E-05	<4.62E-05	<4.83E-05	<4.93E-05	<4.94E-05	<4.94E-05	<4.60E-05	<4.83E-05
T-106	<5.06E-05	<5.38E-05	<5.31E-05	<5.06E-05	<5.44E-05	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05	<5.31E-05	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05
T-107	<6.68E-05	<7.11E-05	<7.01E-05	<6.68E-05	0.00029	<7.16E-05	0.00020	<7.16E-05	<6.64E-05	<6.71E-05	<7.01E-05	<7.16E-05	<7.19E-05	<7.19E-05	<6.68E-05	<7.02E-05
T-108	<1.60E-04	<1.71E-04	<1.68E-04	<1.60E-04	<1.73E-04	<1.72E-04	0.00098	<1.72E-04	0.00036	<1.61E-04	<1.68E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.60E-04	<1.69E-04
T-109	<5.00E-05	<5.32E-05	<5.25E-05	<5.00E-05	<5.38E-05	<5.36E-05	<5.40E-05	<5.36E-05	<4.97E-05	<5.02E-05	0.00021	<5.36E-05	<5.38E-05	<5.38E-05	<5.00E-05	<5.25E-05
T-110	<4.51E-05	<4.80E-05	0.00013	<4.51E-05	<4.85E-05	<4.83E-05	<4.87E-05	<4.83E-05	<4.48E-05	<4.53E-05	<4.73E-05	<4.83E-05	<4.85E-05	0.00016	<4.51E-05	<4.74E-05
T-111	<3.02E-04	<3.21E-04	<3.17E-04	<3.02E-04	<3.25E-04	<3.24E-04	<3.26E-04	<3.24E-04	<3.00E-04	<3.04E-04	<3.17E-04	<3.24E-04	<3.25E-04	0.00122	<3.02E-04	<3.17E-04
T-112	<5.77E-05	<6.14E-05	<6.06E-05	<5.77E-05	0.00014	<6.19E-05	<6.23E-05	<6.19E-05	<5.74E-05	<5.80E-05	0.00017	<6.19E-05	<6.21E-05	<6.21E-05	<5.77E-05	<6.07E-05
T-113	<5.06E-05	<5.38E-05	0.00036	<5.06E-05	0.00019	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05	0.00015	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05
T-114	<4.58E-05	<4.88E-05	<4.81E-05	<4.58E-05	<4.93E-05	<4.91E-05	<4.95E-05	<4.91E-05	<4.55E-05	<4.60E-05	<4.81E-05	<4.91E-05	<4.93E-05	<4.93E-05	<4.58E-05	<4.81E-05
T-201	<5.18E-05	<5.51E-05	<5.44E-05	<5.18E-05	<5.58E-05	<5.56E-05	0.00011	<5.56E-05	<5.15E-05	<5.21E-05	<5.44E-05	<5.56E-05	<5.58E-05	0.00030	<5.18E-05	<5.45E-05
T-202	<5.69E-05	<6.05E-05	0.00014	0.00019	<6.12E-05	<6.10E-05	0.00013	<6.10E-05	<5.66E-05	<5.72E-05	<5.98E-05	<6.10E-05	<6.12E-05	<6.12E-05	<5.69E-05	<5.98E-05
T-203	<4.36E-05	<4.64E-05	<4.58E-05	<4.36E-05	0.00016	0.00018	<4.71E-05	<4.68E-05	<4.34E-05	<4.38E-05	<4.58E-05	<4.68E-05	<4.69E-05	<4.69E-05	<4.36E-05	<4.58E-05
T-204	<5.97E-05	<6.36E-05	<6.27E-05	<5.97E-05	<6.43E-05	<6.40E-05	<6.45E-05	<6.40E-05	<5.94E-05	<6.00E-05	<6.27E-05	<6.40E-05	<6.43E-05	0.00017	<5.97E-05	<6.28E-05
T-205	<4.69E-05	<4.99E-05	<4.92E-05	<4.69E-05	<5.04E-05	<5.02E-05	<5.06E-05	<5.02E-05	<4.66E-05	0.00021	<5.02E-05	<5.02E-05	<5.04E-05	<5.04E-05	0.00009	<4.92E-05
T-206	<7.23E-05	<7.69E-05	<7.59E-05	<7.23E-05	<7.77E-05	<7.74E-05	<7.80E-05	<7.74E-05	<7.18E-05	<7.26E-05	<7.59E-05	<7.74E-05	<7.77E-05	0.00029	<7.23E-05	<7.59E-05
T-207	0.00021	<5.01E-05	<4.95E-05	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.68E-05	<4.74E-05	<4.95E-05	<5.05E-05	<5.07E-05	0.00021	<4.71E-05	<4.95E-05
T-208	<4.78E-05	<5.08E-05	<5.02E-05	<4.78E-05	<5.14E-05	<5.12E-05	<5.16E-05	<5.12E-05	<4.75E-05	<4.80E-05	<5.02E-05	<5.12E-05	<5.14E-05	0.00016	<4.78E-05	<5.02E-05
T-209	0.00025	<4.82E-05	<4.76E-05	0.00016	<4.87E-05	<4.86E-05	<4.89E-05	<4.86E-05	<4.50E-05	0.00010	<4.76E-05	<4.86E-05	<4.87E-05	0.00022	<4.53E-05	<4.76E-05
T-210	<5.03E-05	<5.36E-05	<5.29E-05	<5.03E-05	<5.42E-05	<5.40E-05	<5.44E-05	<5.40E-05	<5.00E-05	<5.06E-05	<5.29E-05	<5.40E-05	<5.42E-05	0.00016	<5.03E-05	<5.29E-05
T-211	0.00015	<5.02E-05	0.00012	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.69E-05	<4.74E-05	<4.95E-05	<5.05E-05	<5.07E-05	<5.07E-05	<4.71E-05	<4.95E-05
T-212	<4.35E-05	<4.62E-05	0.00011	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	0.00022	0.00009	0.00010	<4.56E-05	<4.66E-05	<4.67E-05	0.00014	<4.35E-05	<4.57E-05
T-213	<4.88E-05	<5.19E-05	0.00010	<4.88E-05	<5.25E-05	<5.23E-05	<5.27E-05	0.00026	<4.85E-05	<4.90E-05	<5.12E-05	<5.23E-05	<5.25E-05	<5.25E-05	<4.88E-05	<5.13E-05
T-214	<5.02E-05	<5.34E-05	<5.27E-05	<5.02E-05	<5.40E-05	<5.38E-05	<5.42E-05	<5.38E-05	<4.99E-05	<5.04E-05	<5.27E-05	<5.38E-05	<5.40E-05	<5.40E-05	<5.02E-05	<5.27E-05
T-301	0.00042	<8.47E-05	0.00021	0.00018	0.00210	<8.53E-05	<8.59E-05	0.00045	0.00025	<8.00E-05	<8.36E-05	0.00084	0.00341	<8.56E-05	<7.96E-05	0.00123
T-302	0.00034	<4.68E-05	0.00014	0.00028	0.00034	0.00012	0.00036	0.00030	<4.37E-05	<4.42E-05	<4.62E-05	0.00025	0.00027	0.00012	<4.40E-05	0.00036
T-303	<4.76E-05	<5.06E-05	<5.00E-05	<4.76E-05	<5.12E-05	<5.10E-05	<5.14E-05	<5.10E-05	<4.73E-05	<4.78E-05	<5.00E-05	<5.10E-05	<5.12E-05	<5.12E-05	<4.76E-05	<5.00E-05
T-304	0.00015	<5.79E-05	0.00018	<5.45E-05	<5.86E-05	<5.84E-05	0.00012	<5.84E-05	<5.41E-05	<5.47E-05	0.00014	<5.84E-05	<5.86E-05	<5.86E-05	<5.45E-05	<5.72E-05
T-305	<8.35E-05	0.00030	<8.76E-05	0.00084	<8.98E-05	<8.95E-05	<9.01E-05	0.00057	<8.30E-05	<8.39E-05	<8.76E-05	<8.95E-05	0.00113	<8.98E-05	0.00059	0.00114
T-306	0.00057	<1.89E-04	<1.87E-04	0.00283	0.00104	<1.91E-04	<1.92E-04	<1.91E-04	0.00413	<1.79E-04	0.00063	<1.91E-04	<1.91E-04	<1.91E-04	0.00086	0.00040
T-307	0.00083	<6.75E-05	0.00021	0.00025	0.00071	0.00033	0.00161	0.00068	0.00029	<6.38E-05	<6.66E-05	0.00035	0.00047	0.00056	<6.35E-05	0.00101
T-308	<6.65E-05	<7.08E-05	0.00025	<6.65E-05	0.00019	0.00018	<7.18E-05	<7.13E-05	<6.61E-05	<6.68E-05	<6.98E-05	<7.13E-05	<7.15E-05	<7.15E-05	<6.65E-05	<6.99E-05
T-309	0.00039	0.00016	0.00018	0.00027	0.00012	<4.81E-05	<4.84E-05	<4.81E-05	0.00010	<4.51E-05	<4.71E-05	<4.81E-05	<4.82E-05	<4.82E-05	0.00015	<4.71E-05
T-310	0.00045	<5.92E-05	<5.84E-05	0.00019	<5.99E-05	<5.96E-05	<6.01E-05	0.00015	<5.53E-05	<5.59E-05	0.00018	<5.96E-05	<5.99E-05	<5.99E-05	<5.56E-05	<5.85E-05
T-311	0.00073	<6.88E-05	<6.79E-05	0.00015	<6.95E-05	<6.93E-05	<6.98E-05	<6.93E-05	<6.42E-05	<6.49E-05	<6.79E-05	<6.93E-05	<6.95E-05	<6.95E-05	<6.46E-05	<6.79E-05
T-312	0.00110	0.00029	<5.26E-05	0.00336	<5.39E-05	0.00453	<5.41E-05	0.00030	0.00217	0.00569	<5.26E-05	0.00206	0.00022	<5.39E-05	0.00136	<5.27E-05
T-313	<3.99E-05	0.00021	<4.19E-05	<3.99E-05	0.00012	<4.27E-05	<4.30E-05	<4.27E-05	<3.96E-05	<4.01E-05	<4.19E-05	<4.27E-05	<4.29E-05	0.00016	<3.99E-05	<4.19E-05
T-314	<4.49E-05	<4.78E-05	<4.71E-05	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05	<4.71E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05
T-401	<7.30E-05	<7.76E-05	<7.66E-05	<7.30E-05	0.00020	<7.82E-05	0.00039	<7.82E-05	0.00028	<7.33E-05	0.00032	<7.82E-05	<7.85E-05	0.00022	<7.30E-05	<7.67E-05
T-402	<6.26E-05	<6.66E-05	0.00017	<6.26E-05	<6.74E-05	<6.71E-05	<6.76E-05	<6.71E-05	<6.23E-05	0.00017	<6.58E-05	<6.71E-05	<6.74E-05	<6.74E-05	<6.26E-05	<6.58E-05
T-403	<4.49E-05	<4.78E-05	0.00015	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05	<4.72E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05
T-404	<9.30E-05	<9.89E-05	<9.76E-05	<9.30E-05	<1.00E-04	<9.96E-05	<1.00E-04	<9.96E-05	<9.24E-05	<9.34E-05	<9.76E-05	<9.96E-05	<1.00E-04	0.00024	<9.30E-05	<9.77E-05
T-405	<4.74E-05	<5.04E-05	0.00020	<4.74E-05	0.00012	<5.08E-05	<5.12E-05	<5.08E-05	<4.71E-05	<4.76E-05	<4.98E-05	<5.08E-05	<5.10E-05	0.00014	<4.74E-05	<4.98E-05
T-406	<5.92E-05	<6.30E-05	0.00015	<5.92E-05	<6											

Sample Number	CAS MW	Methylcyclohexane	Ethylbenzene	c-2-Pentene	Toluene	n-Methylhexane	Cyclopentane	i-Pentene	n-Heptane	i-Propylbenzene	n-Octane	1,2,3-Trimethylbenzene	2,2,4-Trimethylpentane	Methylcyclopentane	Styrene	2,2-Dimethylbutane	s-2-Butene
		108-87-2 98.2	100-41-4 106.2	646-04-8 70.1	108-88-3 92.1	591-76-4 100.2	287-92-3 70.1	109-67-1 70.1	142-82-5 100.2	98-82-8 120.2	111-65-9 114.2	526-73-8 120.2	540-84-1 114.2	96-37-7 84.2	100-42-5 104.2	75-83-2 86.2	590-18-1 56.1
Lab Data (ppbv)																	
T-101		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104		ND		1.6	ND	2.16	ND		1.09	ND		4.92	1.49	ND	ND	4.2	ND
T-105		ND	ND	ND	ND	ND	ND		1.4	ND	ND	ND	ND	ND	ND	ND	ND
T-106		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.58	ND	ND	ND	ND
T-108		ND	ND		1.95	0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110		ND	ND		0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111		ND	ND		1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113		ND	ND	ND	ND	ND	ND		1.09	ND	ND	ND	ND	ND	ND	ND	ND
T-114		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		ND	ND		0.89	ND	ND	ND		1.8	ND	ND	ND	ND	ND		0.77
T-202		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		ND	ND		2.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204		ND	ND	ND	ND	ND	ND		1.06	ND	ND	ND	ND	ND	ND	ND	ND
T-205		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.69	ND	ND	ND	ND
T-206		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207		ND		0.71	ND		1.01	ND	ND	0.65	ND	ND	ND	ND	ND	ND	ND
T-208		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209		ND		0.59	0.88	1.28	ND	ND	ND	1.39	ND		1.62	ND	ND	ND	ND
T-210		ND	ND	ND	ND	ND	ND	ND		0.86	ND	ND	ND	ND	ND	ND	ND
T-211		ND	ND	ND	ND	ND	ND		1.91	0.73	ND	ND	ND	ND	ND	ND	ND
T-212		ND		1.36	ND	ND	ND	ND		ND	ND		0.8	ND		0.91	ND
T-213		ND		0.63	ND	ND	ND	ND	ND	ND	ND		0.57	ND		0.56	ND
T-214		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		ND	ND	ND	ND	ND	ND	ND		1.09	ND	ND		1.45	ND	ND	
T-302			1.16	ND		1.38	0.64	1.69	ND		0.65	ND		2.33	ND		3.28
T-303		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND		1.45	1.84
T-304		ND	ND	ND	ND	ND	ND		0.81	ND	ND	ND	ND		2.14	ND	
T-305		ND		2.81	ND	2.27	ND	3.64	ND	ND	ND		0.76	0.74	0.94	ND	
T-306		ND		3.55	ND	ND	ND	ND	ND		0.98	2.81	ND		0.58	ND	
T-307			1	ND	ND	1.01	1.47	1.83	1.55	ND	ND	ND	1.69	ND	0.59	1.37	
T-308		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-309		ND	ND	ND	ND		1.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-310		ND	ND	ND	ND		0.88	ND	ND	ND	ND		1.12	ND	ND	ND	
T-311		ND	ND	ND	ND	ND		1.35	ND	ND	ND	ND	ND	ND	ND	ND	
T-312			13.38	5.31	ND	4.55	1.19	ND		3.59	5.29	5.71	7.24	ND	4.19	ND	2.24
T-313		ND	ND	ND		1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-314		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-401		ND	ND			2.21	ND	ND	ND	ND	ND		1.18	ND	ND	ND	
T-402		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		0.65	ND	ND	
T-403		ND	ND		0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-404		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-405		ND	ND		0.93	ND		1.42	ND	ND	ND	ND	ND	ND	ND	ND	
T-406		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-407		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-408		ND	ND	ND	ND	ND	ND		0.9	ND	ND	ND	ND	ND	ND	ND	
T-409		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND		0.5	ND	ND	ND	ND	
T-508		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-509		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-510		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-602		ND	ND	ND	ND		0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-603		ND	ND	ND		ND	ND	ND		1.79	ND	ND	ND		1.02	ND	
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	
T-605		ND	ND		2.03	ND	ND	ND	ND	ND	ND		0.55	ND	ND	ND	
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
T-607			0.93	ND		0.6	ND		2.98	0.91	ND	ND		0.68	ND	ND	
T-608			0.82	ND			2.95		1.54	0.91	1.26	ND		0.61	ND	ND	
T-609			0.88	ND			3.41			1.37	1.39	0.69	ND	0.53	ND	ND	
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 4
Chiquita Canyon
TO-14 Compound

Sample Number	Chemical Name																MDL (ppbv)																			
	Methylcyclohexane				Ethylbenzene		1,2-Pentene		Toluene		2-Methylhexane		Cyclopentane		1-Pentene				n-Heptane		i-Propylbenzene		n-Octane		1,2,3-Trimethylbenzene		2,2,4-Trimethylpentane		Methylcyclopentane		Styrene		2,2-Dimethylbutane		c-2-Butene	
	CAS MW	108-87-2 98.2	100-41-4 106.2	646-04-8 70.1	108-88-3 92.1	591-76-4 100.2	287-92-3 70.1	109-67-1 70.1	142-82-5 100.2	98-82-8 120.2	111-65-9 114.2	526-73-8 120.2	540-84-1 114.2	96-37-7 84.2	100-42-5 104.2	75-83-2 86.2			590-18-1 56.1																	
MDL (ppbv)																																				
T-101	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-102	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-103	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-104	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-105	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-106	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-107	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-108	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-109	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-110	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-111	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-112	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-113	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-114	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-201	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-202	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-203	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-204	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-205	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-206	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-207	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-208	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-209	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-210	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-211	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-212	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-213	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-214	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-301	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-302	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-303	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-304	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-305	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-306	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-307	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-308	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-309	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-310	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-311	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-312	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-313	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-314	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-401	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-402	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-403	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-404	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-405	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-406	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-407	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-408	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-409	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-410	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-501	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-502	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-503	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-504	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	0.5	0.6666667	1																		
T-505	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8																													

Table 4 TO-14

Shaded Compounds are all ND

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Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	CAS MW	Methylcyclohexane 108-87-2 98.2	Ethylbenzene 100-41-4 106.2	t-2-Pentene 646-04-8 70.1	Toluene 108-88-3 92.1	2-Methylhexane 591-76-4 100.2	Cyclopentane 287-92-3 70.1	1-Pentene 109-67-1 70.1	n-Heptane 142-82-5 100.2	i-Propylbenzene 98-82-8 120.2	n-Octane 111-65-9 114.2	1,2,3-Trimethylbenzene 526-73-8 120.2	2,2,4-Trimethylpentane 540-84-1 114.2	Methylcyclopentane 96-37-7 84.2	Styrene 100-42-5 104.2	2,2-Dimethylbutane 75-83-2 86.2	c-2-Butene 590-18-1 56.1
T-101		<1.13E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.16E+00	<1.13E+00	<1.13E+00	<1.16E+00	<1.08E+00	<1.15E+00	<1.08E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.16E+00	<1.13E+00
T-102		<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.14E+00	<1.05E+00	<1.16E+00	<1.14E+00
T-103		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.06E+00	<1.17E+00	<1.15E+00
T-104		<1.18E+00	7	<1.17E+00	8	<1.20E+00	3	<1.17E+00	<1.20E+00	25	7	<1.12E+00	<1.20E+00	<1.18E+00	18	<1.20E+00	<1.17E+00
T-105		<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.12E+00	4	<1.14E+00	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-106		<1.11E+00	<1.05E+00	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.14E+00	<1.11E+00
T-107		<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	3	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-108		<1.09E+00	<1.03E+00	5	3	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.04E+00	<1.11E+00	<1.04E+00	<1.11E+00	<1.09E+00	<1.01E+00	<1.12E+00	<1.09E+00
T-109		<1.08E+00	<1.03E+00	<1.08E+00	<1.02E+00	<1.11E+00	<1.08E+00	<1.08E+00	<1.11E+00	<1.03E+00	<1.10E+00	<1.03E+00	<1.10E+00	<1.08E+00	<1.01E+00	<1.11E+00	<1.08E+00
T-110		<1.11E+00	<1.05E+00	2	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.14E+00	<1.11E+00
T-111		<1.07E+00	<1.02E+00	4	<1.01E+00	<1.10E+00	<1.07E+00	<1.07E+00	<1.10E+00	<1.02E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.08E+00	<9.98E-01	<1.10E+00	<1.07E+00
T-112		<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-113		<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	3	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-114		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-201		<1.16E+00	<1.10E+00	3	<1.09E+00	<1.19E+00	<1.16E+00	5	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	<1.16E+00	<1.08E+00	3	<1.16E+00
T-202		<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-203		<1.17E+00	<1.11E+00	7	<1.10E+00	<1.19E+00	<1.17E+00	<1.17E+00	<1.19E+00	<1.11E+00	<1.19E+00	<1.11E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.20E+00	<1.17E+00
T-204		<1.18E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.20E+00	<1.18E+00	3	<1.20E+00	<1.12E+00	<1.20E+00	<1.12E+00	<1.20E+00	<1.18E+00	<1.09E+00	<1.21E+00	<1.18E+00
T-205		<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	3	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-206		<1.13E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.15E+00	<1.13E+00	<1.13E+00	<1.15E+00	<1.07E+00	<1.15E+00	<1.07E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.16E+00	<1.13E+00
T-207		<1.12E+00	3	<1.12E+00	4	<1.14E+00	<1.12E+00	<1.12E+00	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-208		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-209		<1.12E+00	3	2	5	<1.14E+00	<1.12E+00	<1.12E+00	6	<1.07E+00	7	<1.07E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.15E+00	<1.12E+00
T-210		<1.12E+00	<1.06E+00	<1.11E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.11E+00	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-211		<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.12E+00	5	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-212		<1.11E+00	6	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	4	<1.13E+00	<1.11E+00	4	<1.14E+00	<1.11E+00
T-213		<1.11E+00	3	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	3	<1.13E+00	<1.11E+00	2	<1.14E+00	<1.11E+00
T-214		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-301		<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	<1.16E+00	5	<1.11E+00	<1.18E+00	<1.11E+00	7	<1.16E+00	<1.08E+00	<1.19E+00	8
T-302		5	<1.12E+00	<1.18E+00	5	3	5	<1.18E+00	<1.21E+00	3	<1.21E+00	<1.13E+00	11	<1.18E+00	<1.10E+00	5	4
T-303		<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.18E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-304		<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	2	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	7	<1.08E+00	<1.19E+00	<1.16E+00
T-305		<1.07E+00	11	<1.07E+00	8	<1.09E+00	10	<1.07E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.02E+00	3	2	4	<1.09E+00	<1.07E+00
T-306		<1.09E+00	15	<1.09E+00	<1.02E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	5	12	<1.03E+00	<1.11E+00	<1.09E+00	2	<1.11E+00	<1.09E+00
T-307		4	<1.02E+00	<1.08E+00	4	6	5	4	<1.10E+00	<1.03E+00	<1.10E+00	<1.03E+00	7	<1.08E+00	2	5	<1.08E+00
T-308		<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-309		<1.07E+00	<1.01E+00	<1.07E+00	<1.00E+00	6	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.07E+00	<9.91E-01	<1.09E+00	<1.07E+00
T-310		<1.02E+00	<9.68E-01	<1.02E+00	<9.59E-01	3	<1.02E+00	<1.02E+00	<1.04E+00	<9.74E-01	<1.04E+00	<9.74E-01	5	<1.02E+00	<9.50E-01	<1.05E+00	<1.02E+00
T-311		<1.05E+00	<9.96E-01	<1.05E+00	<9.87E-01	<1.07E+00	4	<1.05E+00	<1.07E+00	<1.00E+00	<1.07E+00	<1.00E+00	<1.07E+00	<1.05E+00	<9.77E-01	<1.08E+00	<1.05E+00
T-312		50	21	<1.06E+00	16	5	<1.06E+00	<1.06E+00	14	24	25	33	<1.08E+00	13	<9.86E-01	7	<1.06E+00
T-313		<1.06E+00	<1.00E+00	4	<9.96E-01	<1.08E+00	<1.06E+00	<1.06E+00	<1.08E+00	<1.01E+00	<1.08E+00	<1.01E+00	<1.08E+00	<1.06E+00	<9.86E-01	<1.09E+00	<1.06E+00
T-314		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-401		<1.15E+00	<1.09E+00	6	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	6	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-402		<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.18E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	3	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-403		<1.15E+00	<1.09E+00	2	<1.08E+00	<1.18E+00	<1.15E+00	<1.15E+00	<1.18E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-404		<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.06E+00	<1.17E+00	<1.15E+00
T-405		<1.12E+00	<1.06E+00	3	<1.05E+00	6	<1.11E+00	<1.11E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-406		<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.15E+00	<1.12E+00	<1.12E+00	<1.15E+00	<1.07E+00	<1.14E+00	<1.07E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.15E+00	<1.12E+00
T-407		<1.13E+00	<1.07E+00	<1.13E+00	<												

Table 4 TO-14

Shaded Compounds are all ND

Table 4
Chiquita Canyon
TO-14 Compound

Sample Number	Methylcyclohexane																	Ethylbenzene																	t-2-Pentene																	Toluene																	2-Methylhexane																	Cyclopentane																	1-Pentene																	n-Heptane																	i-Propylbenzene																	n-Octane																	1,2,3-Trimethylbenzene																	2,2,4-Trimethylpentane																	Methylcyclopentane																	Styrene																	2,2-Dimethylbutane																	c-2-Butene																																																																																																																																																																																																																																																																							
	CAS MW	108-87-2 98.2	100-41-4 106.2	646-04-8 70.1	108-88-3 92.1	591-76-4 100.2	287-92-3 70.1	109-67-1 70.1	142-82-5 100.2	98-82-8 120.2	111-65-9 114.2	526-73-8 120.2	540-84-1 114.2	96-37-7 84.2	100-42-5 104.2	75-83-2 86.2	590-18-1 56.1	108-87-2 98.2	100-41-4 106.2	646-04-8 70.1	108-88-3 92.1	591-76-4 100.2	287-92-3 70.1	109-67-1 70.1	142-82-5 100.2	98-82-8 120.2	111-65-9 114.2	526-73-8 120.2	540-84-1 114.2	96-37-7 84.2	100-42-5 104.2	75-83-2 86.2	590-18-1 56.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Flux (mg/m2-mi)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
T-101	<1.02E-04	<9.61E-05	<1.01E-04	<9.52E-05	<1.04E-04	<1.01E-04	<1.01E-04	<1.04E-04	<9.67E-05	<1.03E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.43E-05	<1.04E-04	<1.02E-04	<1.02E-04	<6.39E-05	<6.04E-05	<6.38E-05	<5.99E-05	<6.52E-05	<6.38E-05	<6.38E-05	<6.52E-05	<6.08E-05	<6.50E-05	<6.08E-05	<6.50E-05	<6.39E-05	<5.93E-05	<6.54E-05	<6.39E-05	<8.67E-05	<8.21E-05	<8.67E-05	<8.13E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8

Table 4 TO-14

Shaded Compounds are all ND

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Table 4
Chiquita Canyon
TO-14 Compound

Sample Number	CAS	3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane
MW		114.2	114.2	114.2	170.3	70.1	26	58.1	86.2
MDL (ppbv)									
T-101		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-102		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-103		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-104		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-105		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-106		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-107		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-108		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-109		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-110		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-111		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-112		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-113		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-114		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-201		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-202		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-203		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-204		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-205		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-206		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-207		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-208		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-209		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-210		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-211		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-212		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-213		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-214		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-301		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-302		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-303		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-304		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-305		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-306		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-307		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-308		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-309		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-310		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-311		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-312		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-313		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-314		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-401		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-402		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-403		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-404		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-405		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-406		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-407		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-408		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-409		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-410		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-501		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-502		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-503		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-504		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-505		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-506		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-507		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-508		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-509		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-510		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-601		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-602		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-603		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-604		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-605		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-606		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-607		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-608		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-609		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-610		0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667

Table 4 TO-14

Shaded Compounds are all ND

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	CAS	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3	74-86-2	75-28-5	79-29-8
MW	114.2	114.2	114.2	170.3	70.1	26	58.1	86.2	
	3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane	
Data used (ug/n									
T-101	<1.15E+00	<1.15E+00	<1.15E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.17E+00	<1.16E+00	
T-102	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.05E+00	<1.18E+00	<1.16E+00	
T-103	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.06E+00	<1.19E+00	<1.17E+00	
T-104	<1.20E+00	3	3	<1.19E+00	3	<1.09E+00	<1.22E+00	<1.20E+00	
T-105	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.14E+00	
T-106	<1.13E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.15E+00	<1.14E+00	
T-107	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.10E+00	<1.02E+00	<1.14E+00	<1.12E+00	
T-108	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.09E+00	<1.01E+00	<1.13E+00	<1.12E+00	
T-109	<1.10E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.08E+00	<1.00E+00	<1.12E+00	<1.11E+00	
T-110	<1.13E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.15E+00	<1.14E+00	
T-111	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.07E+00	<9.96E-01	<1.11E+00	<1.10E+00	
T-112	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.10E+00	<1.02E+00	<1.14E+00	<1.12E+00	
T-113	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.10E+00	<1.02E+00	<1.14E+00	<1.12E+00	
T-114	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-201	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.21E+00	<1.19E+00	
T-202	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.20E+00	<1.19E+00	
T-203	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.17E+00	<1.08E+00	<1.21E+00	<1.20E+00	
T-204	<1.20E+00	<1.20E+00	<1.20E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.22E+00	<1.21E+00	
T-205	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.05E+00	<1.18E+00	<1.17E+00	
T-206	<1.15E+00	<1.15E+00	<1.15E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.17E+00	<1.16E+00	
T-207	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.14E+00	
T-208	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-209	<1.14E+00	6	3	<1.13E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.15E+00	
T-210	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.16E+00	<1.14E+00	
T-211	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.14E+00	
T-212	3	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.15E+00	<1.14E+00	
T-213	<1.13E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.15E+00	<1.14E+00	
T-214	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-301	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.20E+00	<1.19E+00	
T-302	<1.21E+00	4	<1.21E+00	<1.20E+00	<1.18E+00	<1.10E+00	<1.23E+00	<1.21E+00	
T-303	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.16E+00	<1.07E+00	<1.20E+00	<1.19E+00	
T-304	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.20E+00	<1.19E+00	
T-305	8	<1.09E+00	2	12	<1.07E+00	<9.91E-01	<1.11E+00	<1.09E+00	
T-306	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.09E+00	<1.01E+00	<1.12E+00	<1.11E+00	
T-307	<1.10E+00	3	<1.10E+00	<1.09E+00	<1.08E+00	<1.00E+00	<1.12E+00	<1.11E+00	
T-308	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.10E+00	<1.02E+00	<1.14E+00	<1.12E+00	
T-309	<1.09E+00	<1.09E+00	<1.09E+00	<1.08E+00	<1.07E+00	<9.89E-01	<1.11E+00	<1.09E+00	
T-310	<1.04E+00	<1.04E+00	<1.04E+00	<1.03E+00	<1.02E+00	<9.48E-01	<1.06E+00	<1.05E+00	
T-311	<1.07E+00	<1.07E+00	<1.07E+00	<1.06E+00	<1.05E+00	<9.75E-01	<1.09E+00	<1.08E+00	
T-312	6	3	10	<1.07E+00	<1.06E+00	<9.84E-01	<1.10E+00	<1.09E+00	
T-313	<1.08E+00	<1.08E+00	<1.08E+00	<1.07E+00	<1.06E+00	<9.84E-01	<1.10E+00	<1.09E+00	
T-314	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-401	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-402	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.16E+00	<1.07E+00	<1.20E+00	<1.19E+00	
T-403	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-404	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.06E+00	<1.19E+00	<1.17E+00	
T-405	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.16E+00	<1.14E+00	
T-406	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.15E+00	
T-407	<1.15E+00	<1.15E+00	<1.15E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.17E+00	<1.16E+00	
T-408	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.05E+00	<1.18E+00	<1.17E+00	
T-409	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.05E+00	<1.18E+00	<1.17E+00	
T-410	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-501	<1.18E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.20E+00	<1.19E+00	
T-502	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-503	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.20E+00	<1.18E+00	
T-504	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.16E+00	<1.07E+00	<1.20E+00	<1.19E+00	
T-505	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.05E+00	<1.18E+00	<1.16E+00	
T-506	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-507	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-508	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-509	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-510	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	
T-601	<1.20E+00	<1.20E+00	<1.20E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.22E+00	<1.20E+00	
T-602	<1.19E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.21E+00	<1.20E+00	
T-603	4	<1.19E+00	<1.19E+00	3	<1.17E+00	<1.08E+00	<1.21E+00	<1.20E+00	
T-604	<1.19E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.21E+00	<1.20E+00	
T-605	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.16E+00	<1.15E+00	
T-606	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-607	<1.13E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.15E+00	<1.14E+00	
T-608	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-609	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.18E+00	<1.17E+00	
T-610	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.19E+00	<1.18E+00	

Temp.	273.15	0.0820574
oF	oC	oK
84	28.9	302.0
82	27.8	300.9
77	25.0	298.2
64	17.8	290.9
91	32.8	305.9
95	35.0	308.2
101	38.3	311.5
104	40.0	313.2
108	42.2	315.4
94	34.4	307.6
113	45.0	318.2
101	38.3	311.5
101	38.3	311.5
75	23.9	297.0
69	20.6	293.7
70	21.1	294.3
66	18.9	292.0
63	17.2	290.4
81	27.2	300.4
86	30.0	303.2
91	32.8	305.9
75	23.9	297.0
90	32.2	305.4
92	33.3	306.5
91	32.8	305.9
95	35.0	308.2
95	35.0	308.2
75	23.9	297.0
70	21.1	294.3
60	15.6	288.7
71	21.7	294.8
70	21.1	294.3
116	46.7	319.8
107	41.7	314.8
109	42.8	315.9
101	38.3	311.5
117	47.2	320.4
142	61.1	334.3
125	51.7	324.8
120	48.9	322.0
120	48.9	322.0
75	23.9	297.0
75	23.9	297.0
71	21.7	294.8
74	23.3	296.5
77	25.0	298.2
92	33.3	306.5
88	31.1	304.3
84	28.9	302.0
81	27.2	300.4
81	27.2	300.4
75	23.9	297.0
70	21.1	294.3
75	23.9	297.0
73	22.8	295.9
71	21.7	294.8
82	27.8	300.9

Table 4 TO-14

Shaded Compounds are all ND

Table 4
Chiquita Canyon
TO-14 Compound

Sample Number	CAS	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3	74-86-2	75-28-5	79-29-8	Flow (m3/m)
	MW	114.2	114.2	114.2	170.3	70.1	26	58.1	86.2	
		3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane	
T-101		<1.03E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.01E-04	<9.41E-05	<1.05E-04	<1.04E-04	0.012
T-102		<6.50E-05	<6.50E-05	<6.50E-05	<6.46E-05	<6.38E-05	<5.92E-05	<6.61E-05	<6.54E-05	0.007
T-103		<8.82E-05	<8.82E-05	<8.82E-05	<8.77E-05	<8.67E-05	<8.04E-05	<8.98E-05	<8.88E-05	0.010
T-104		<5.68E-05	0.00015	0.00013	<5.65E-05	0.00012	<5.17E-05	<5.78E-05	<5.72E-05	0.006
T-105		<4.91E-05	<4.91E-05	<4.91E-05	<4.88E-05	<4.82E-05	<4.47E-05	<5.00E-05	<4.94E-05	0.006
T-106		<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05	<4.93E-05	<5.50E-05	<5.44E-05	0.006
T-107		<7.14E-05	<7.14E-05	<7.14E-05	<7.10E-05	<7.01E-05	<6.50E-05	<7.26E-05	<7.19E-05	0.008
T-108		<1.71E-04	<1.71E-04	<1.71E-04	<1.70E-04	<1.68E-04	<1.56E-04	<1.74E-04	<1.73E-04	0.020
T-109		<5.34E-05	<5.34E-05	<5.34E-05	<5.31E-05	<5.25E-05	<4.86E-05	<5.44E-05	<5.38E-05	0.006
T-110		<4.82E-05	<4.82E-05	<4.82E-05	<4.79E-05	<4.73E-05	<4.39E-05	<4.90E-05	<4.85E-05	0.006
T-111		<3.23E-04	<3.23E-04	<3.23E-04	<3.21E-04	<3.17E-04	<2.94E-04	<3.29E-04	<3.25E-04	0.038
T-112		<6.17E-05	<6.17E-05	<6.17E-05	<6.13E-05	<6.06E-05	<5.62E-05	<6.28E-05	<6.21E-05	0.007
T-113		<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05	<4.93E-05	<5.50E-05	<5.44E-05	0.006
T-114		<4.90E-05	<4.90E-05	<4.90E-05	<4.87E-05	<4.81E-05	<4.46E-05	<4.98E-05	<4.93E-05	0.005
T-201		<5.54E-05	<5.54E-05	<5.54E-05	<5.51E-05	<5.44E-05	<5.05E-05	<5.64E-05	<5.58E-05	0.006
T-202		<6.08E-05	<6.08E-05	<6.08E-05	<6.05E-05	<5.97E-05	<5.54E-05	<6.19E-05	<6.12E-05	0.007
T-203		<4.66E-05	<4.66E-05	<4.66E-05	<4.64E-05	<4.58E-05	<4.25E-05	<4.75E-05	<4.69E-05	0.005
T-204		<6.39E-05	<6.39E-05	<6.39E-05	<6.35E-05	<6.27E-05	<5.82E-05	<6.50E-05	<6.43E-05	0.007
T-205		<5.01E-05	<5.01E-05	<5.01E-05	<4.98E-05	<4.92E-05	<4.56E-05	<5.10E-05	<5.04E-05	0.006
T-206		<7.72E-05	<7.72E-05	<7.72E-05	<7.68E-05	<7.59E-05	<7.03E-05	<7.86E-05	<7.77E-05	0.009
T-207		<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05	<4.59E-05	<5.12E-05	<5.07E-05	0.006
T-208		<5.11E-05	<5.11E-05	<5.11E-05	<5.08E-05	<5.02E-05	<4.65E-05	<5.20E-05	<5.14E-05	0.006
T-209		<4.84E-05	0.00027	0.00011	<4.81E-05	<4.76E-05	<4.41E-05	<4.93E-05	<4.87E-05	0.006
T-210		<5.38E-05	<5.38E-05	<5.38E-05	<5.35E-05	<5.29E-05	<4.90E-05	<5.48E-05	<5.42E-05	0.006
T-211		<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05	<4.59E-05	<5.13E-05	<5.07E-05	0.006
T-212		0.00012	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05	<4.23E-05	<4.73E-05	<4.67E-05	0.005
T-213		<5.22E-05	<5.22E-05	<5.22E-05	<5.19E-05	<5.12E-05	<4.75E-05	<5.31E-05	<5.25E-05	0.006
T-214		<5.36E-05	<5.36E-05	<5.36E-05	<5.33E-05	<5.27E-05	<4.89E-05	<5.46E-05	<5.40E-05	0.006
T-301		<8.51E-05	<8.51E-05	<8.51E-05	<8.46E-05	<8.35E-05	<7.75E-05	<8.65E-05	<8.56E-05	0.009
T-302		<4.70E-05	0.00016	<4.70E-05	<4.68E-05	<4.62E-05	<4.28E-05	<4.79E-05	<4.73E-05	0.005
T-303		<5.08E-05	<5.08E-05	<5.08E-05	<5.05E-05	<4.99E-05	<4.63E-05	<5.17E-05	<5.12E-05	0.006
T-304		<5.82E-05	<5.82E-05	<5.82E-05	<5.79E-05	<5.72E-05	<5.30E-05	<5.92E-05	<5.86E-05	0.006
T-305		0.00064	<8.92E-05	0.00019	0.00101	<8.76E-05	<8.12E-05	<9.08E-05	<8.98E-05	0.011
T-306		<1.90E-04	<1.90E-04	<1.90E-04	<1.89E-04	<1.87E-04	<1.73E-04	<1.93E-04	<1.91E-04	0.022
T-307		<6.78E-05	0.00018	<6.78E-05	<6.74E-05	<6.66E-05	<6.18E-05	<6.90E-05	<6.83E-05	0.008
T-308		<7.11E-05	<7.11E-05	<7.11E-05	<7.07E-05	<6.98E-05	<6.47E-05	<7.23E-05	<7.15E-05	0.008
T-309		<4.79E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.71E-05	<4.36E-05	<4.88E-05	<4.82E-05	0.006
T-310		<5.95E-05	<5.95E-05	<5.95E-05	<5.91E-05	<5.84E-05	<5.42E-05	<6.05E-05	<5.99E-05	0.007
T-311		<6.91E-05	<6.91E-05	<6.91E-05	<6.87E-05	<6.78E-05	<6.29E-05	<7.03E-05	<6.95E-05	0.008
T-312		0.00029	0.00013	0.00048	<5.32E-05	<5.26E-05	<4.88E-05	<5.45E-05	<5.39E-05	0.006
T-313		<4.26E-05	<4.26E-05	<4.26E-05	<4.24E-05	<4.18E-05	<3.88E-05	<4.34E-05	<4.29E-05	0.005
T-314		<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05	<4.37E-05	<4.88E-05	<4.83E-05	0.005
T-401		<7.80E-05	<7.80E-05	<7.80E-05	<7.76E-05	<7.66E-05	<7.10E-05	<7.94E-05	<7.85E-05	0.009
T-402		<6.69E-05	<6.69E-05	<6.69E-05	<6.66E-05	<6.57E-05	<6.10E-05	<6.81E-05	<6.74E-05	0.007
T-403		<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05	<4.37E-05	<4.88E-05	<4.83E-05	0.005
T-404		<9.94E-05	<9.94E-05	<9.94E-05	<9.88E-05	<9.76E-05	<9.05E-05	<1.01E-04	<1.00E-04	0.011
T-405		<5.07E-05	<5.07E-05	<5.07E-05	<5.04E-05	<4.97E-05	<4.61E-05	<5.15E-05	<5.10E-05	0.006
T-406		<6.33E-05	<6.33E-05	<6.33E-05	<6.29E-05	<6.22E-05	<5.77E-05	<6.44E-05	<6.37E-05	0.007
T-407		<4.64E-05	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05	<4.23E-05	<4.73E-05	<4.67E-05	0.005
T-408		<5.42E-05	<5.42E-05	<5.42E-05	<5.39E-05	<5.32E-05	<4.94E-05	<5.51E-05	<5.45E-05	0.006
T-409		<5.29E-05	<5.29E-05	<5.29E-05	<5.26E-05	<5.19E-05	<4.82E-05	<5.38E-05	<5.32E-05	0.006
T-410		<4.58E-05	<4.58E-05	<4.58E-05	<4.55E-05	<4.50E-05	<4.17E-05	<4.66E-05	<4.61E-05	0.005
T-501		<5.16E-05	<5.16E-05	<5.16E-05	<5.13E-05	<5.07E-05	<4.70E-05	<5.26E-05	<5.20E-05	0.006
T-502		<5.48E-05	<5.48E-05	<5.48E-05	<5.45E-05	<5.38E-05	<4.99E-05	<5.58E-05	<5.52E-05	0.006
T-503		<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05	<4.64E-05	<5.18E-05	<5.13E-05	0.006
T-504		<5.70E-05	<5.70E-05	<5.70E-05	<5.67E-05	<5.60E-05	<5.19E-05	<5.80E-05	<5.74E-05	0.006
T-505		<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05	<5.11E-05	<5.70E-05	<5.64E-05	0.006
T-506		<5.26E-05	<5.26E-05	<5.26E-05	<5.23E-05	<5.17E-05	<4.79E-05	<5.35E-05	<5.30E-05	0.006
T-507		<5.88E-05	<5.88E-05	<5.88E-05	<5.84E-05	<5.77E-05	<5.35E-05	<5.98E-05	<5.91E-05	0.007
T-508		<7.00E-05	<7.00E-05	<7.00E-05	<6.96E-05	<6.87E-05	<6.37E-05	<7.12E-05	<7.04E-05	0.008
T-509		<4.97E-05	<4.97E-05	<4.97E-05	<4.94E-05	<4.88E-05	<4.53E-05	<5.06E-05	<5.00E-05	0.006
T-510		<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05	<4.64E-05	<5.18E-05	<5.13E-05	0.006
T-601		<6.01E-05	<6.01E-05	<6.01E-05	<5.97E-05	<5.90E-05	<5.47E-05	<6.11E-05	<6.05E-05	0.007
T-602		<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05	<5.11E-05	<5.70E-05	<5.64E-05	0.006
T-603		0.00026	<6.99E-05	<6.99E-05	0.00019	<6.86E-05	<6.36E-05	<7.11E-05	<7.03E-05	0.008
T-604		<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05	<4.66E-05	<5.21E-05	<5.15E-05	0.006
T-605		<1.04E-04	<1.04E-04	<1.04E-04	<1.03E-04	<1.02E-04	<9.44E-05	<1.05E-04	<1.04E-04	0.012
T-606		<5.49E-05	<5.49E-05	<5.49E-05	<5.46E-05	<5.40E-05	<5.00E-05	<5.59E-05	<5.53E-05	0.006
T-607		<9.53E-05	<9.53E-05	<9.53E-05	<9.48E-05	<9.36E-05	<8.68E-05	<9.70E-05	<9.59E-05	0.011
T-608		<1.20E-04	<1.20E-04	<1.20E-04	<1.19E-04	<1.17E-04	<1.09E-04	<1.22E-04	<1.20E-04	0.013
T-609		<1.10E-04	<1.10E-04	<1.10E-04	<1.09E-04	<1.08E-04	<1.00E-04	<1.12E-04	<1.11E-04	0.012
T-610		<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05	<4.66E-05	<5.21E-05	<5.15E-05	0.006

[illegible]

[illegible]

Sample Number	CAS MW	Total Reduced Sulfurs	Hydrogen Sulfide			Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	Iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene
			7783-06-4	7783-06-4	7783-06-4																		
			34.08	34.08	34.08																		
			60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17			
Data Used (mg/m3)																							
S-101 a		<3.44E-03	<3.44E-03	<3.44E-03	<6.06E-03	<4.85E-03	<6.27E-03	<6.27E-03	<7.68E-03	<7.68E-03	<9.10E-03	<7.68E-03	<7.68E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03
S-102 a		<3.45E-03	<3.45E-03	<3.45E-03	<6.08E-03	<4.87E-03	<6.29E-03	<6.29E-03	<7.71E-03	<7.71E-03	<9.13E-03	<7.71E-03	<7.71E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03
S-103 a		<3.48E-03	<3.48E-03	<3.48E-03	<6.14E-03	<4.92E-03	<6.35E-03	<6.35E-03	<7.78E-03	<7.78E-03	<9.22E-03	<7.78E-03	<7.78E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03
S-104 a		<3.57E-03	<3.57E-03	<3.57E-03	<6.29E-03	<5.04E-03	<6.51E-03	<6.51E-03	<7.97E-03	<7.98E-03	<9.44E-03	<7.98E-03	<7.98E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03
S-105 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03
S-106 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03
S-107 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03
S-108 a		<3.32E-03	<3.32E-03	<3.32E-03	<5.85E-03	<4.68E-03	<6.05E-03	<6.05E-03	<7.41E-03	<7.41E-03	<8.77E-03	<7.41E-03	<7.41E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03
S-109 a		<3.29E-03	<3.29E-03	<3.29E-03	<5.80E-03	<4.65E-03	<6.00E-03	<6.00E-03	<7.36E-03	<7.36E-03	<8.71E-03	<7.36E-03	<7.36E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03
S-110 a		<3.38E-03	<3.38E-03	<3.38E-03	<5.95E-03	<4.77E-03	<6.15E-03	<6.15E-03	<7.54E-03	<7.54E-03	<8.93E-03	<7.54E-03	<7.54E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03
S-111 a		<3.26E-03	<3.26E-03	<3.26E-03	<5.75E-03	<4.61E-03	<5.95E-03	<5.95E-03	<7.29E-03	<7.29E-03	<8.64E-03	<7.29E-03	<7.29E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03
S-112 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03
S-113 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03
S-114 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03
S-201 a		0.0156	0.0156	0.0156	<6.23E-03	<4.99E-03	<6.45E-03	<6.45E-03	<7.90E-03	<7.90E-03	<9.36E-03	<7.90E-03	<7.90E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03
S-202 a		0.0071	0.0071	0.0071	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.88E-03	<9.34E-03	<7.88E-03	<7.88E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03
S-203 a		0.0071	0.0071	0.0071	<6.27E-03	<5.02E-03	<6.48E-03	<6.48E-03	<7.94E-03	<7.95E-03	<9.41E-03	<7.95E-03	<7.95E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03
S-204 a		<3.58E-03	<3.58E-03	<3.58E-03	<6.30E-03	<5.05E-03	<6.52E-03	<6.52E-03	<7.99E-03	<7.99E-03	<9.46E-03	<7.99E-03	<7.99E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03
S-205 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.09E-03	<4.88E-03	<6.30E-03	<6.30E-03	<7.72E-03	<7.72E-03	<9.15E-03	<7.72E-03	<7.72E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03
S-206 a		<3.43E-03	<3.43E-03	<3.43E-03	<6.04E-03	<4.84E-03	<6.24E-03	<6.24E-03	<7.65E-03	<7.65E-03	<9.06E-03	<7.65E-03	<7.65E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03
S-207 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03
S-208 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03
S-209 a		<3.40E-03	<3.40E-03	<3.40E-03	<5.99E-03	<4.80E-03	<6.20E-03	<6.20E-03	<7.60E-03	<7.60E-03	<9.00E-03	<7.60E-03	<7.60E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03
S-210 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.97E-03	<4.78E-03	<6.18E-03	<6.18E-03	<7.57E-03	<7.57E-03	<8.97E-03	<7.57E-03	<7.57E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03
S-211 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03
S-212 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03
S-213 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03
S-214 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03
S-301 a		<3.53E-03	<3.53E-03	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.88E-03	<9.34E-03	<7.88E-03	<7.88E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03
S-302 a		<3.60E-03	<3.60E-03	<3.60E-03	<6.34E-03	<5.08E-03	<6.56E-03	<6.56E-03	<8.03E-03	<8.04E-03	<9.52E-03	<8.04E-03	<8.04E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03
S-303 a		<3.52E-03	<3.52E-03	<3.52E-03	<6.21E-03	<4.97E-03	<6.42E-03	<6.42E-03	<7.87E-03	<7.87E-03	<9.32E-03	<7.87E-03	<7.87E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03
S-304 a		<3.53E-03	<3.53E-03	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.89E-03	<9.34E-03	<7.89E-03	<7.89E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03
S-305 a		<3.25E-03	<3.25E-03	<3.25E-03	<5.72E-03	<4.58E-03	<5.92E-03	<5.92E-03	<7.25E-03	<7.26E-03	<8.59E-03	<7.26E-03	<7.26E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03
S-306 a		<3.30E-03	<3.30E-03	<3.30E-03	<5.81E-03	<4.66E-03	<6.01E-03	<6.01E-03	<7.37E-03	<7.37E-03	<8.73E-03	<7.37E-03	<7.37E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-		

Table 5
Chiquita Canyon J
ORS Compounds

Sample Number	CAS	Bromothiophene	Thiophenol	Diethyl Disulfide
MW		1003-09-4 163.04	108-98-5 110.18	110-41-4 122.252
Lab Results (ppm)				
S-101 a		ND	ND	ND
S-102 a		ND	ND	ND
S-103 a		ND	ND	ND
S-104 a		ND	ND	ND
S-105 a		ND	ND	ND
S-106 a		ND	ND	ND
S-107 a		ND	ND	ND
S-108 a		ND	ND	ND
S-109 a		ND	ND	ND
S-110 a		ND	ND	ND
S-111 a		ND	ND	ND
S-112 a		ND	ND	ND
S-113 a		ND	ND	ND
S-114 a		ND	ND	ND
S-201 a		ND	ND	ND
S-202 a		ND	ND	ND
S-203 a		ND	ND	ND
S-204 a		ND	ND	ND
S-205 a		ND	ND	ND
S-206 a		ND	ND	ND
S-207 a		ND	ND	ND
S-208 a		ND	ND	ND
S-209 a		ND	ND	ND
S-210 a		ND	ND	ND
S-211 a		ND	ND	ND
S-212 a		ND	ND	ND
S-213 a		ND	ND	ND
S-214 a		ND	ND	ND
S-301 a		ND	ND	ND
S-302 a		ND	ND	ND
S-303 a		ND	ND	ND
S-304 a		ND	ND	ND
S-305 a		ND	ND	ND
S-306 a		ND	ND	ND
S-307 a		ND	ND	ND
S-308 a		ND	ND	ND
S-309 a		ND	ND	ND
S-310 a		ND	ND	ND
S-311 a		ND	ND	ND
S-312 a		ND	ND	ND
S-313 a		ND	ND	ND
S-314 a		ND	ND	ND
S-401 a		ND	ND	ND
S-402 a		ND	ND	ND
S-403 a		ND	ND	ND
S-404 a		ND	ND	ND
S-405 a		ND	ND	ND
S-406 a		ND	ND	ND
S-407 a		ND	ND	ND
S-408 a		ND	ND	ND
S-409 a		ND	ND	ND
S-410 a		ND	ND	ND
S-501 a		ND	ND	ND
S-502 a		ND	ND	ND
S-503 a		ND	ND	ND
S-504 a		ND	ND	ND
S-505 a		ND	ND	ND
S-506 a		ND	ND	ND
S-507 a		ND	ND	ND
S-508 a		ND	ND	ND
S-509 a		ND	ND	ND
S-510 a		ND	ND	ND
S-601 a		ND	ND	ND
S-602 a		ND	ND	ND
S-603 a		ND	ND	ND
S-604 a		ND	ND	ND
S-605 a		ND	ND	ND
S-606 a		ND	ND	ND
S-607 a		ND	ND	ND
S-608 a		ND	ND	ND
S-609 a		ND	ND	ND
S-610 a		ND	ND	ND

Table 5
Chiquita Canyon J
ORS Compounds

Sample Number	CAS MW	MDL (ppmv)		
		Bromothiophene 1003-09-4 163.04	Thiophenol 108-98-5 110.18	Diethyl Disulfide 110-81-6 122.252
S-101 a		0.005	0.005	0.005
S-102 a		0.005	0.005	0.005
S-103 a		0.005	0.005	0.005
S-104 a		0.005	0.005	0.005
S-105 a		0.005	0.005	0.005
S-106 a		0.005	0.005	0.005
S-107 a		0.005	0.005	0.005
S-108 a		0.005	0.005	0.005
S-109 a		0.005	0.005	0.005
S-110 a		0.005	0.005	0.005
S-111 a		0.005	0.005	0.005
S-112 a		0.005	0.005	0.005
S-113 a		0.005	0.005	0.005
S-114 a		0.005	0.005	0.005
S-201 a		0.005	0.005	0.005
S-202 a		0.005	0.005	0.005
S-203 a		0.005	0.005	0.005
S-204 a		0.005	0.005	0.005
S-205 a		0.005	0.005	0.005
S-206 a		0.005	0.005	0.005
S-207 a		0.005	0.005	0.005
S-208 a		0.005	0.005	0.005
S-209 a		0.005	0.005	0.005
S-210 a		0.005	0.005	0.005
S-211 a		0.005	0.005	0.005
S-212 a		0.005	0.005	0.005
S-213 a		0.005	0.005	0.005
S-214 a		0.005	0.005	0.005
S-301 a		0.005	0.005	0.005
S-302 a		0.005	0.005	0.005
S-303 a		0.005	0.005	0.005
S-304 a		0.005	0.005	0.005
S-305 a		0.005	0.005	0.005
S-306 a		0.005	0.005	0.005
S-307 a		0.005	0.005	0.005
S-308 a		0.005	0.005	0.005
S-309 a		0.005	0.005	0.005
S-310 a		0.005	0.005	0.005
S-311 a		0.005	0.005	0.005
S-312 a		0.005	0.005	0.005
S-313 a		0.005	0.005	0.005
S-314 a		0.005	0.005	0.005
S-401 a		0.005	0.005	0.005
S-402 a		0.005	0.005	0.005
S-403 a		0.005	0.005	0.005
S-404 a		0.005	0.005	0.005
S-405 a		0.005	0.005	0.005
S-406 a		0.005	0.005	0.005
S-407 a		0.005	0.005	0.005
S-408 a		0.005	0.005	0.005
S-409 a		0.005	0.005	0.005
S-410 a		0.005	0.005	0.005
S-501 a		0.005	0.005	0.005
S-502 a		0.005	0.005	0.005
S-503 a		0.005	0.005	0.005
S-504 a		0.005	0.005	0.005
S-505 a		0.005	0.005	0.005
S-506 a		0.005	0.005	0.005
S-507 a		0.005	0.005	0.005
S-508 a		0.005	0.005	0.005
S-509 a		0.005	0.005	0.005
S-510 a		0.005	0.005	0.005
S-601 a		0.005	0.005	0.005
S-602 a		0.005	0.005	0.005
S-603 a		0.005	0.005	0.005
S-604 a		0.005	0.005	0.005
S-605 a		0.005	0.005	0.005
S-606 a		0.005	0.005	0.005
S-607 a		0.005	0.005	0.005
S-608 a		0.005	0.005	0.005
S-609 a		0.005	0.005	0.005
S-610 a		0.005	0.005	0.005

Table 5
Chiquita Canyon J
ORS Compounds

Sample Number			
	CAS	Bromothiophene	Diethyl Disulfide
MW		Thiophenol	
	1003-69-4	108-98-5	110-81-6
	163.04	110.18	122.252
Flux (mg/m2-min)			
S-101 a	<1.48E-03	<9.97E-04	<1.11E-03
S-102 a	<9.28E-04	<6.27E-04	<6.96E-04
S-103 a	<1.26E-03	<8.51E-04	<9.45E-04
S-104 a	<8.11E-04	<5.48E-04	<6.08E-04
S-105 a	<7.01E-04	<4.74E-04	<5.26E-04
S-106 a	<7.72E-04	<5.22E-04	<5.79E-04
S-107 a	<1.02E-03	<6.89E-04	<7.64E-04
S-108 a	<2.45E-03	<1.65E-03	<1.84E-03
S-109 a	<7.63E-04	<5.15E-04	<5.72E-04
S-110 a	<6.88E-04	<4.65E-04	<5.16E-04
S-111 a	<4.61E-03	<3.12E-03	<3.46E-03
S-112 a	<8.81E-04	<5.95E-04	<6.61E-04
S-113 a	<7.72E-04	<5.22E-04	<5.79E-04
S-114 a	<6.99E-04	<4.73E-04	<5.24E-04
S-201 a	<7.91E-04	<5.35E-04	<5.93E-04
S-202 a	<8.68E-04	<5.87E-04	<6.51E-04
S-203 a	<6.66E-04	<4.50E-04	<4.99E-04
S-204 a	<9.12E-04	<6.16E-04	<6.84E-04
S-205 a	<7.15E-04	<4.83E-04	<5.36E-04
S-206 a	<1.10E-03	<7.45E-04	<8.27E-04
S-207 a	<7.19E-04	<4.86E-04	<5.39E-04
S-208 a	<7.29E-04	<4.93E-04	<5.47E-04
S-209 a	<6.91E-04	<4.67E-04	<5.18E-04
S-210 a	<7.68E-04	<5.19E-04	<5.76E-04
S-211 a	<7.19E-04	<4.86E-04	<5.39E-04
S-212 a	<6.63E-04	<4.48E-04	<4.97E-04
S-213 a	<7.45E-04	<5.03E-04	<5.58E-04
S-214 a	<7.66E-04	<5.18E-04	<5.74E-04
S-301 a	<1.21E-03	<8.21E-04	<9.11E-04
S-302 a	<6.72E-04	<4.54E-04	<5.04E-04
S-303 a	<7.26E-04	<4.91E-04	<5.44E-04
S-304 a	<8.31E-04	<5.62E-04	<6.23E-04
S-305 a	<1.27E-03	<8.61E-04	<9.55E-04
S-306 a	<2.71E-03	<1.83E-03	<2.04E-03
S-307 a	<9.68E-04	<6.54E-04	<7.26E-04
S-308 a	<1.01E-03	<6.86E-04	<7.61E-04
S-309 a	<6.84E-04	<4.62E-04	<5.13E-04
S-310 a	<8.49E-04	<5.74E-04	<6.37E-04
S-311 a	<9.86E-04	<6.66E-04	<7.39E-04
S-312 a	<7.65E-04	<5.17E-04	<5.73E-04
S-313 a	<6.08E-04	<4.11E-04	<4.56E-04
S-314 a	<6.85E-04	<4.63E-04	<5.14E-04
S-401 a	<1.11E-03	<7.53E-04	<8.35E-04
S-402 a	<9.56E-04	<6.46E-04	<7.17E-04
S-403 a	<6.85E-04	<4.63E-04	<5.14E-04
S-404 a	<1.42E-03	<9.59E-04	<1.06E-03
S-405 a	<7.23E-04	<4.89E-04	<5.42E-04
S-406 a	<9.04E-04	<6.11E-04	<6.78E-04
S-407 a	<6.63E-04	<4.48E-04	<4.97E-04
S-408 a	<7.74E-04	<5.23E-04	<5.80E-04
S-409 a	<7.55E-04	<5.10E-04	<5.66E-04
S-410 a	<6.54E-04	<4.42E-04	<4.90E-04
S-501 a	<7.37E-04	<4.98E-04	<5.53E-04
S-502 a	<7.82E-04	<5.29E-04	<5.87E-04
S-503 a	<7.27E-04	<4.91E-04	<5.45E-04
S-504 a	<8.14E-04	<5.50E-04	<6.10E-04
S-505 a	<8.00E-04	<5.41E-04	<6.00E-04
S-506 a	<7.51E-04	<5.08E-04	<5.63E-04
S-507 a	<8.39E-04	<5.67E-04	<6.29E-04
S-508 a	<9.99E-04	<6.75E-04	<7.49E-04
S-509 a	<7.10E-04	<4.80E-04	<5.32E-04
S-510 a	<7.27E-04	<4.91E-04	<5.45E-04
S-601 a	<8.58E-04	<5.80E-04	<6.43E-04
S-602 a	<8.00E-04	<5.41E-04	<6.00E-04
S-603 a	<9.98E-04	<6.74E-04	<7.48E-04
S-604 a	<7.31E-04	<4.94E-04	<5.48E-04
S-605 a	<1.48E-03	<1.00E-03	<1.11E-03
S-606 a	<7.84E-04	<5.30E-04	<5.88E-04
S-607 a	<1.36E-03	<9.20E-04	<1.02E-03
S-608 a	<1.71E-03	<1.15E-03	<1.28E-03
S-609 a	<1.57E-03	<1.06E-03	<1.18E-03
S-610 a	<7.31E-04	<4.94E-04	<5.48E-04

CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT A

EMISSION MEASUREMENT DATA SHEETS

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 87 L# 1

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

CHAMBER I.D. 0 PHOTO TAKEN: Yes ☒ No ☐ _____

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UHP + DFA CC 0101566 SUPPLIER LINE PSIG START 2000 PSIG STOP _____

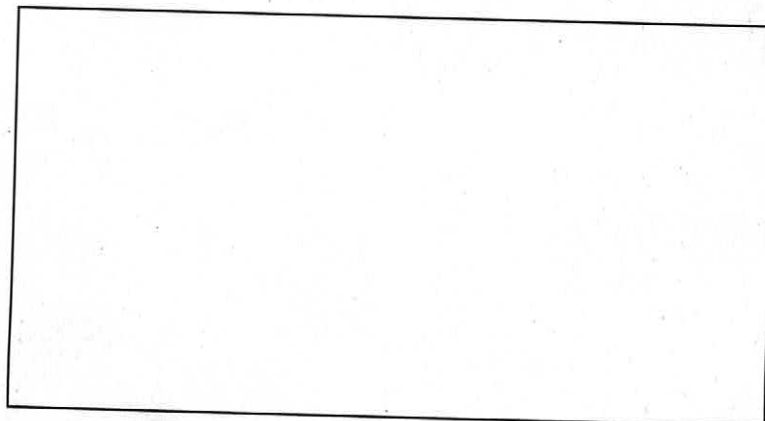
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0751	5	0								At	0837-0841
↓	5	1								T101	# 735
↓	5	2									
0809	5	3	97	84	77	70		1631	0.000	S1019	0836
	5	4								S1016	0836
0821	5	5					3.9/4.5	1392	0.000		

COMMENTS:

NF F
 FID Outside: 9 / 16
 H₂S Outside: 1631: 0.001
1392: 0.005

Coordinates
 11 S 34 8.805
3.81 1.262

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CEL #87 L #2
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. P PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHR+DPA CC 201566 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

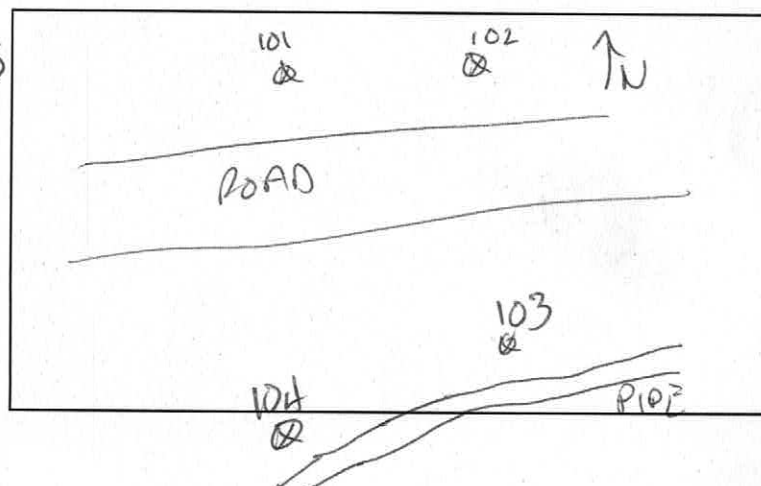
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0751	5	0									
↓	5	1								T102	# 650
↓	5	2						1631	0.001	S102a	0831
0809	5	3							0.002	S102b	0836
	5	4					NF F	1392	0.000		OT
0821	5	5	91	92	95	75	-1.8/-1.6				0836
											0842

COMMENTS:

FID Outside: 44/39
 H₂S Outside: 1631: 0.001 1392: 0.005

Coordinates
 11 S 34 8.814
 3.81 1.260

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CBS TRC JOA RCW
 LOCATION Chiquita Canyon Landfill CELL #87 L#3
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHR-DPA CC 115366 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S	PMV		
			Surf	Air	Surf	Air					
0732	5	0								At	0816-0820
↓	5	1								T103	#823
↓	5	2								S103a	0818
0750	5	3								S103b	0818 0818
	5	4					NP / F	1631	0.000		
0802	5	5	74	77	76	64	42/45	1392	0.005		

COMMENTS:

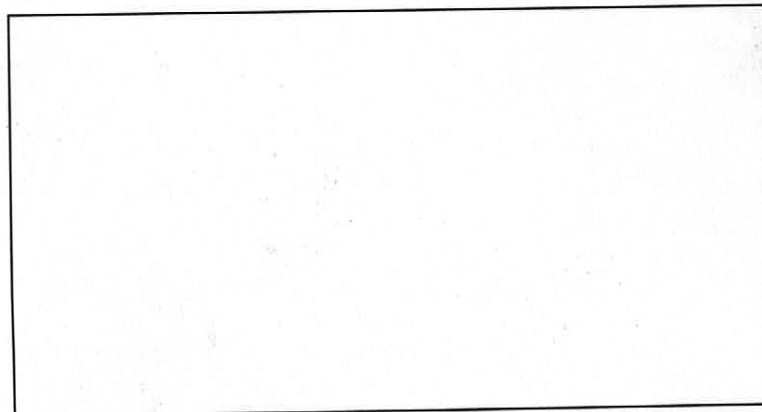
NP/R

FID Outside: 28 / 13
 H₂S Outside: 1631:0.002 1392:0.011

Coordinates

11 S 34 8.822
 3,81 1.223

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL #87 L#4
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. C PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☐ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHR-DFA CC 115366 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0732	5	0								At	0805-0812
↓	5	1								T104	# 881
↓	5	2								S104a	0803
0750	5	3	74	64	74	61	440/3600	0.000	1631	S104b	0803
	5	4						0.004	1392		
0802	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF 200 / 300
 H₂S Outside: 0.043 1631
0.029 1392

 Coordinates
 11 S 34 4.8 13
3.81 1.200



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 75 L#1

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UHP + DFA CC 115366 SUPPLIER LINDE PSIG START 1534 PSIG STOP 1500

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1916	5	0								At	5
1922	5	1								T106	# 756
1928	5	2					NP, F	1631: 0.038		S1059	1002
1934	5	3	91	91	91	74	-3 / -3			S1056	1005
1940	5	4									
1946	5	5						1392: 0.001		105	

COMMENTS:

SITE DIAGRAM

FID Outside: NP F / -2.2
 H₂S Outside: 1631: 0.004
1392: 0.010

 Coordinates
 11 S 34 8,761
3,81 1,792



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES JRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 75 L#2
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. P PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAR PFA CC 115366 SUPPLIER LANDE PSIG START 1500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0910	5	0								At 4 MIN	
0924	5	1						1631	0.000	T106 # 634	
0930	5	2					NF / F			S106 0948	
0936	5	3	96	95	94	71	-1.8 / -2			S106b 0950	
0942	5	4						1392	0.002		
0948	5	5							1 T-106	0957	
										0951	

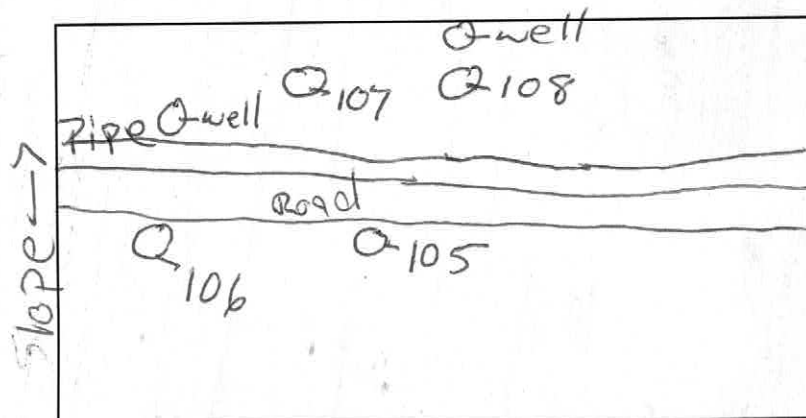
COMMENTS:

NF / F

FID Outside: _____
 H₂S Outside: 1631 0.002
1392 0.008

 Coordinates
 11 S 34 8, 782
 3,81 1, 793

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 75 L# 3
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR DAR+DPA CC 6101566 SUPPLIER LINOZ PSIG START 1800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0919	5	0								Δt	1006-1009
↓	5	1						1631: 0.000	T107	# 802	
↓	5	2					NF F			S107a	1005
0937	5	3	113	101	94	84	-23/-0.5			S107b	1005
	5	4						1392 0.003			
0949	5	5									

COMMENTS:

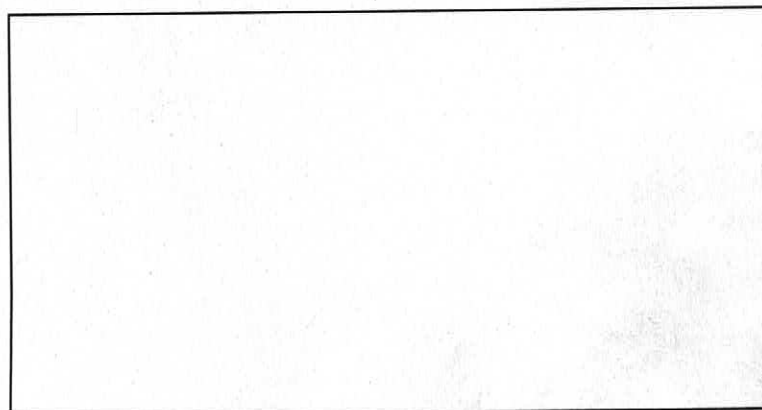
NF F

FID Outside: 6.3 / -1.2
 H₂S Outside: 1631 : 0.004
1392 : 0.009

Coordinates

11 S 34 8, 763
 3,81 1, 765

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TDC JDA PCW
 LOCATION Chiquita Canyon Landfill Cell # 75 LA 4
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UAP+DFA CC B200566 SUPPLIER LWDB PSIG START 1800 PSIG STOP _____

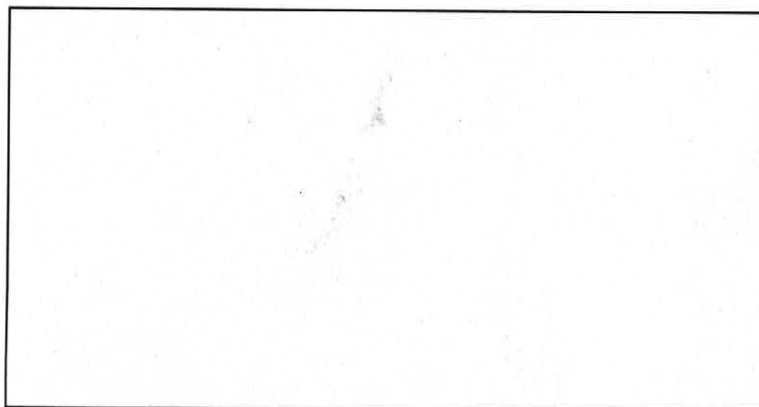
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0919	5	0								At	0955
↓	5	1						1631:	0.000	T108	# 553
↓	5	2								S108a	0954
0937	5	3	106	104	92	80	NF F 42/52			S108b	
	5	4						1392:	0.005		
0949	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: 11 / 11
 H₂S Outside: 1631: 0.003
1392: 0.012

 Coordinates
11 S 34 8, 748
3,81 1, 765



SURFACE FLUX MEASUREMENT DATA FORM

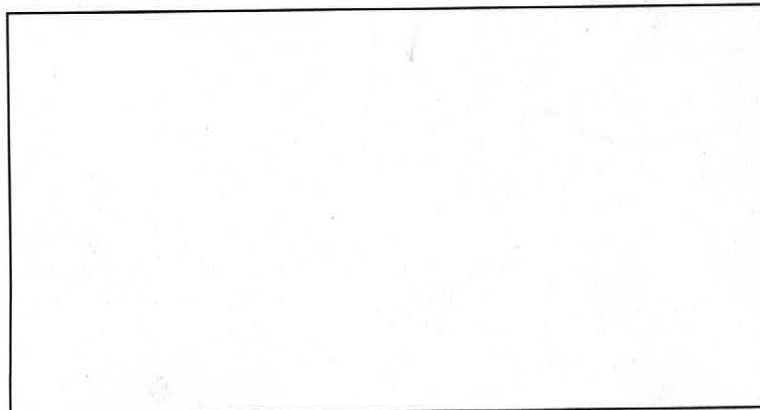
DATE 7/15/25 SAMPLERS LES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CEU # 76 L#1
 SURFACE DESCRIPTION MEMBRANE (BLACK)
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP+DFA CC 115366 SUPPLIER LINDO PSIG START 1300 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1018	5	0									
↓	5	1								T109	# 605
↓	5	2					NR F	1631	0.013	Δt	1105 - 1109
1036	5	3	138	108	100	81	6.1 / 104			S109a	1104
	5	4					3.3			S109b	1104
1038	5	5					3.3 / 6.1	1392	0.004		

COMMENTS:

UF F
 FID Outside: 5 / 6.5
 H₂S Outside: 1631: 0.007
1392: 0.011
0 ± 1-3 psig + pressure inside
 Coordinates
 11 S 34 8, 720
3, 81 1, 799

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRL JDA PCV

LOCATION Chiquita Canyon Landfill CELL # 76 L# 1

SURFACE DESCRIPTION MEMBRANE (WHITE)

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAP+DFA CC 115366 SUPPLIER LNDR PSIG START 1300 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1018	5	0									
↓	5	1								T110	# 738
↓	5	2					NF, F	1631	0.0102		1055-1101
1036	5	3	108	94	93	82	4/54			S1109	1054
	5	4					33R			S1106	1054
1048	5	5						1392	0.005		

COMMENTS:

NF, F

FID Outside: -4/-3

H₂S Outside: 1631 0.005

1392 0.011

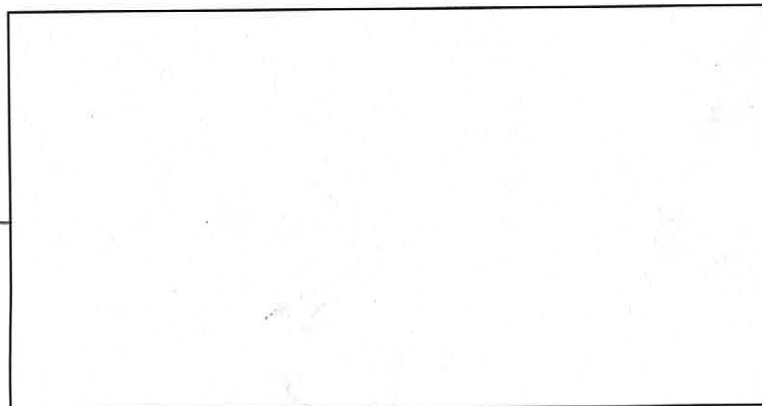
Ambient FID 4.4 ppmv

Coordinates

11 S 34 8,732

3,81 6,411

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA PCW

LOCATION Chiquita Canyon Landfill CELL #76 LAB

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UNP + DPA CC 0.01566 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1021	5	0									
↓	5	1							T111	#768	
↓	5	2					MP F	1631.0.006	At 4		
1039	5	3	145	113	104	85	5.1/4.5		S1119	1105	
	5	4						1392.0.003	S1115	1103	
1051	5	5									

COMMENTS:

NR F

FID Outside: 4.5/4.5

H₂S Outside: 1631 0.0000.011

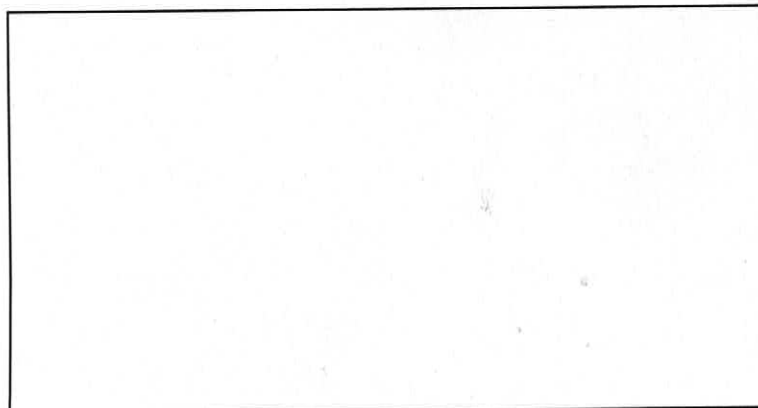
1392 0.010

Coordinates

11 S 34 8, 703

3,81 1, 741

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

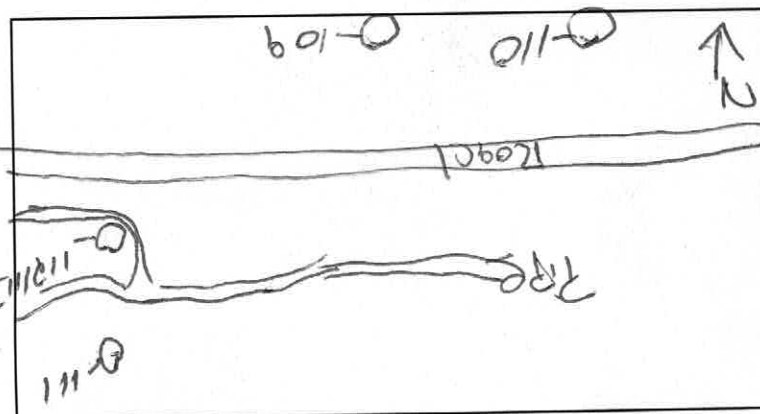
DATE 7/15/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL #76 L#4
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E4 PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P. Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP+DFA CC 1001566 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1021	5	0								T112	# 897
↓	5	1						1631	0.000	AE3	1116-1119
↓	5	2					NF R			T113	# 692
1039	5	3	106	101	100	80	11 / 4.5			AE4	1120-1124
	5	4						1392	0.000	S1129	1109
1051	5	5								S1125	1111
										S1139	
										S1135	

COMMENTS:

SITE DIAGRAM

NF F
 FID Outside: 4.7 / 14.6
 H₂S Outside: 1631 : 0.009 / 0.009
1392 : 0.009
 MEDIA BLANK 1144
 #657 T114 (S1140, S1145, S1148)
 (S1149, S1146 @ 1143)
 E0101566 @ 208 PPB 1,1-DFA
 Coordinates
 11 S 348, 698
 3,81 1,751



SURFACE FLUX MEASUREMENT DATA FORM

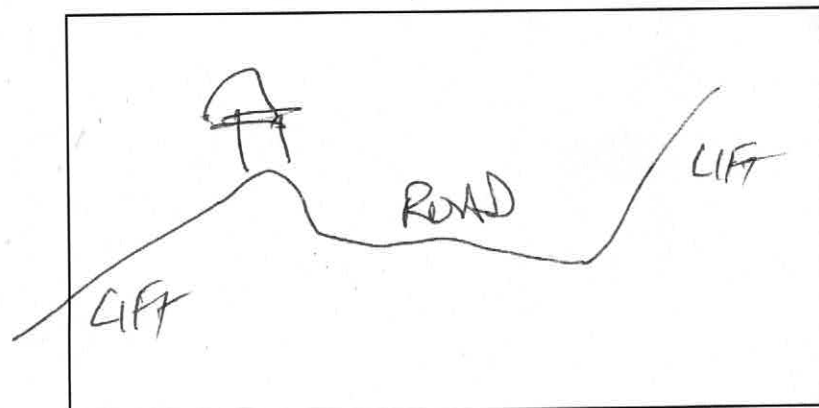
DATE 7/16/25 SAMPLERS LES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 211 L#1
 SURFACE DESCRIPTION SOIL (ROAD)
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. 0 PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UAP + DPA 2101566 SUPPLIER LANDC PSIG START 1200 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0746	5	0									
↓	5	1						1631	0.000	T201	#846
↓	5	2					NF F			Δt	C/
0804	5	3	71	69	75	64	-4.57-4			S201a	0822
	5	4						1392	0.000	S201b	0823
0816	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: 0.2 / NF F
 H₂S Outside: 1631
1392
BLANK 1128 S2149,6
1130 T-214 754 130
 Coordinates 1130
 11 S 34 8,390
 3,81 1,231



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 211 L#2
 SURFACE DESCRIPTION IDE OF LIFT
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UAP + OPA CC 0101566 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0746	5	0									
	5	1						1631	0.000	#25	
	5	2					NF, F			T202	# 764
0809	5	3	74	70	71	61	10.3/8.5			Δt4	0828/083
	5	4						1392	0.000	1392	
0816	5	5								S202a	0825
										S202b	0827

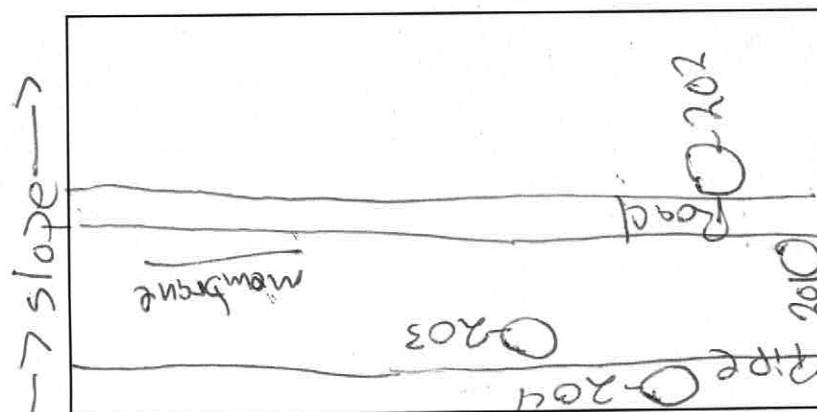
COMMENTS:

NF F

FID Outside: 11 / 6
 H₂S Outside: 1631: 0.000
1392: 0.005

 Coordinates
11 S 34 8, 388
3,81 1, 246

SITE DIAGRAM



LIFT
ROAD 5'
LIFT

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 211 L#3

SURFACE DESCRIPTION white membrane

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR NAP+DPA CC1/5366 SUPPLIER UNOC PSIG START 1000 PSIG STOP _____

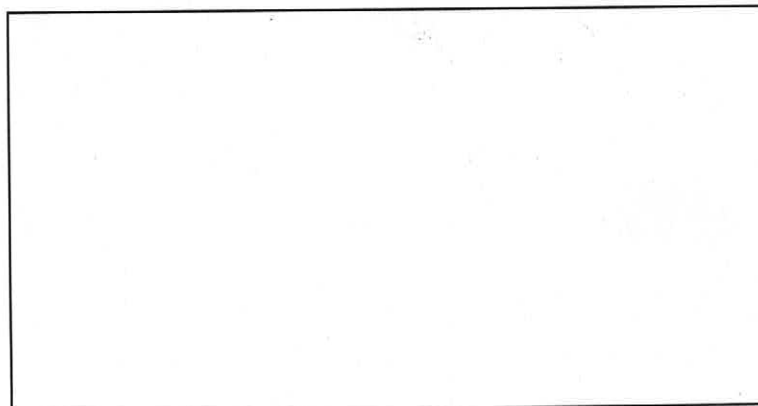
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0744	5	0									
	5	1									
	5	2					NF F	1631	0.000	T203	# 690
0802	5	3	61	66	61	64	-5/-5			Δt	0816-0822
	5	4								S203a	0816
0814	5	5						1392	0.002	S203b	0816

COMMENTS:

FID Outside: NF F
-4 / -5
 H₂S Outside: 1631: 0.000
1392: 0.004

Coordinates
11 S 34° 33'
3,811,262

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JOA RCW
 LOCATION Chiquita Canyon Landfill CELL # 211 L# 4
 SURFACE DESCRIPTION WHITE MAM SLANE
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE TVA/5 I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE 63X
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP + DFA CC 115366 SUPPLIER LINDB PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min)	208 ppb Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0740	5	0									
0750	5	1						1631	0.003		
0800	5	2					NF F			T204	# 531
0802	5	3	65	63	64	61	4.5/-4.6			At	0821-0825
0808	5	4						1392	0.001	S204a	0821
0814	5	5								S204b	0821
										204	

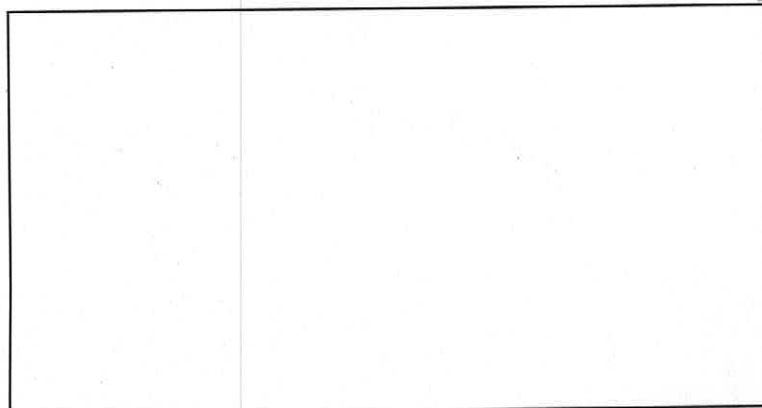
COMMENTS:

NF F
 FID Outside: -2.8 / -3.6
 H₂S Outside: 1631: 0.000
1392: 0.004

Coordinates

11 S 34 8, 335
3,81 1, 253

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 204 L#1
 SURFACE DESCRIPTION WHITE MEMBRANE
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP + DPA CC 115366 SUPPLIER LANDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0851	5	0									
↓	5	1					1631	0.003	T205	# 749	
↓	5	2					NR F		At	5	
0909	5	3	86	91	81	71	-2.7/-3.6		S205a	0923	
	5	4						1392	0.004	S205b	0922
0921	5	5									

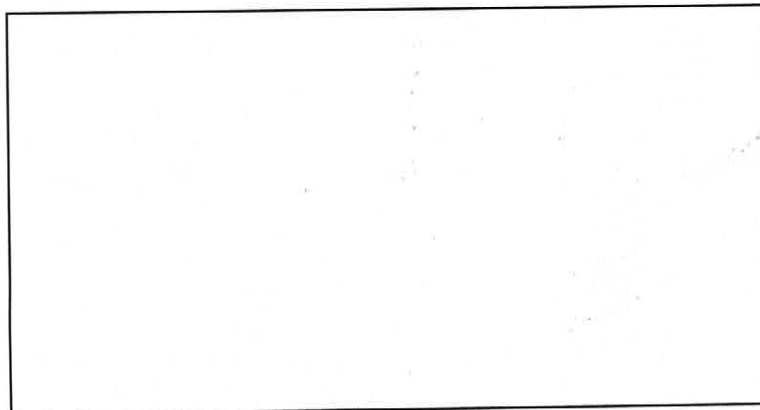
COMMENTS:

NR F
 FID Outside: -1.6/-2
 H₂S Outside: 1631: 0.000
1392: 0.001

Coordinates

11 S 34 8,305
 3,81 1,236

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JON RCLW

LOCATION Chiquita Canyon Landfill L24 #204 L#2

SURFACE DESCRIPTION WHITE MEMBRANE WITH PATCH

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UAP-DPA CC 2101566 SUPPLIER LNDC PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0900	5	0									
↓	5	1						1631: 0.012	T206	#779	
↓	5	2					NR, R			At	093B-0936
0918	5	3	88	86	80	76	206			S2069	0932
	5	4					-3.4/-3.1	1392: 0.002	S206b	0932	
0930	5	5									

COMMENTS:

NR, F

FID Outside: -1.7/-2.4

H₂S Outside: 1631: 0.003

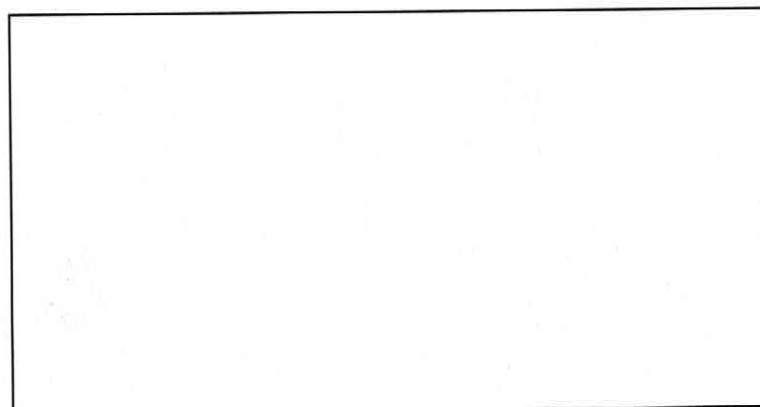
1392: 0.006

Coordinates

11 S 34 8, 276

3, 81 1, 384

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRL JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 204 LA 3
 SURFACE DESCRIPTION WHITE MEMBRANE
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP+DFA CC 15366 SUPPLIER LINDB PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0851	5	0									
0857	5	1						1631	0.007	T207	# 672
0903	5	2					NP F			At 3	0931/0934
0909	5	3	88	91	77	75	-3/-4			S207a	0929
0915	5	4						1392	0.004	S207b	0930
0921	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: -2 / -2
 H₂S Outside: 1631: 0.000
1392: 0.006

Coordinates

11 S 34 8,301
3,811,345

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 204 L# 4
 SURFACE DESCRIPTION WHITE MEMBRANE
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. 0 PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAPOR+DFA CC 010566 SUPPLIER LNRB PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0900	5	0									
↓	5	1						1631		T208	# 677
↓	5	2					NR, P			At	0940-0945
0918	5	3	76	75	73	72	-3.5/-3.8			S208a	0939
	5	4						1392		S208b	0939
0930	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NR, F
-1.9/-2.7
 H₂S Outside: 1631: 0.003
1392: 0.007

Coordinates

11 S 34 8, 274
3,811, 392

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JOA PCW

LOCATION Chiquita Canyon Landfill Cell # 183 L#1

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAPOR DPA CC 2101566 SUPPLIER LMOE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1025	5	0									
↓	5	1						1631:0.015			
↓	5	2					NP F			T209	# 509
1043	5	3	103.90	89	80	-0.7/-2				At 3	1105/1108
	5	4						1392:0.005		S209a	1103
1055	5	5								S209b	1104

COMMENTS:

NP, F

FID Outside: 0.9/-1.7

H₂S Outside: 1631: 0.002

1392: 0.010

Coordinates

11 S 34 8325 8325

3,81 1677 1677

SITE DIAGRAM

IN WIND
FROM ORCHARD
FANS

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES JOC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 183 L# 2

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VH8+DFAcc 115366 SUPPLIER LINGE PSIG START 650 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1020	5	0									
↓	5	1						1631	0.008		
↓	5	2					NP F			T210	# 654 712
1038	5	3	90	92	82	76	1.5/-1			Δt	3
	5	4					0.6	1392	0.003	S210a	1053
1050	5	5								S210b	1052

COMMENTS:

NP F

FID Outside: 0.5/-0.6

H₂S Outside: 1631: 0.004

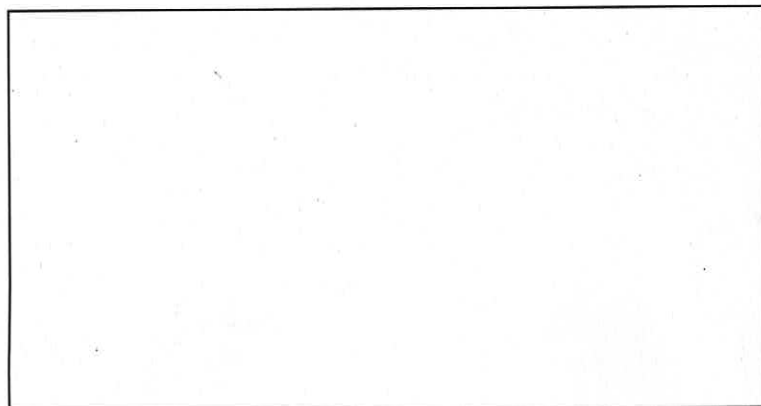
1392: 0.008

Coordinates

11 S 34 8.315

3,81 1.705

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 183 L#3
 SURFACE DESCRIPTION WHITE MEMBRANE
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. DE PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAR-DPA-CC 115366 SUPPLIER LINCE PSIG START 650 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1020	5	0									
↓	5	1						1631	0.012		
↓	5	2					NR P		—	T211	#654
1038	5	3	94	91	81	75	-2 / 0.5			A44	1059
	5	4						1392	0.004	S2119	1057
1050	5	5								S2116	1058

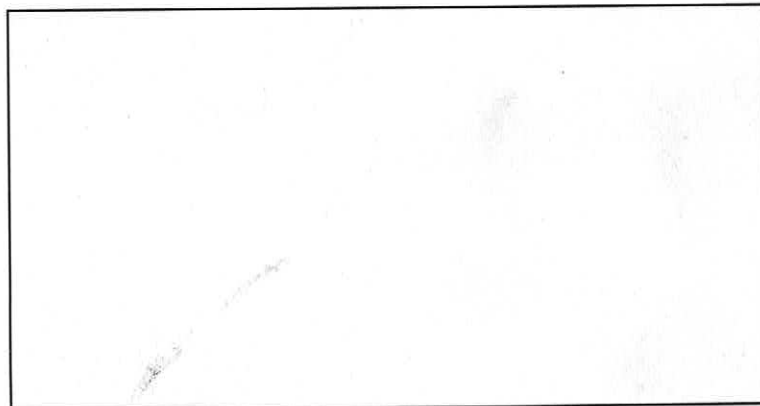
COMMENTS:

NR P
 FID Outside: -0.2 / -1.2
 H₂S Outside: 1631 / 0.006
1392 / 0.010

Coordinates

11 S 34 8.326 83.16
3.81 1.676 1692

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TOC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 183 LA4
 SURFACE DESCRIPTION WHITE MEMBRANE SEAM
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAR+DFA CC 010156 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1025	5	0								T212	# 729
↓	5	1						1631: 0.010		Δt	1100-1104
↓	5	2					NP, P			S212g	1059
1043	5	3	10495	85	77	-2.2/-0.4				S212b	1059
	5	4						1392: 0.004		T213	# 503
1055	5	5								Δt	1106-1110
										S213g	1059
										S213b	1059

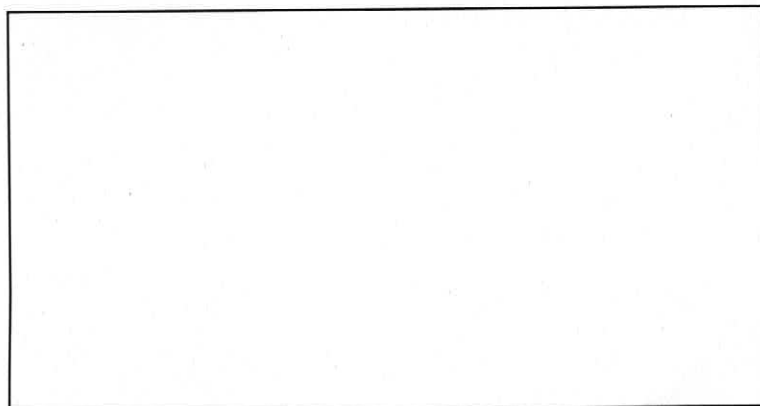
COMMENTS:

FID Outside: NP, P
-0.5/-2
 H₂S Outside: 1631: 0.009
1392: 0.010

Coordinates

11 S 34 8,320
 3,81 1,683

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill Cell # 213 L# 1
 SURFACE DESCRIPTION Soil w/ chips
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP-DEACC 115366 SUPPLIER LMDE PSIG START 400 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0734	5	0									
↓	5	1					1631: 0.000				
↓	5	2					NF, F			T301 # 504	
0752	5	3	71	70	71	64	-1 / -0.4			Δt 0811 - 0815	
	5	4						1392: 0.000	S301a	0810	
0804	5	5							S301b	0810	

COMMENTS:

SITE DIAGRAM

NF F

FID Outside: -0.2 / -0.7
 H₂S Outside: 1631: 0.000
1392: 0.005

Coordinates

11 S 34 8, 472
 3,81 1,204

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES, TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # LA2

SURFACE DESCRIPTION SOIL CHIPS

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAP+DFA SUPPLIER LINE PSIG START 600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0747	5	0									
0753	5	1						1631	0.000		
0759	5	2					NF F			T302 #718	
0805	5	3	61	60	70	61	114/96			A+4	
0811	5	4						1392	0.000	S302a 0818	
0817	5	5								S302b 0820	

COMMENTS:

FID Outside: 61 85 8

H₂S Outside: 1631 0.000

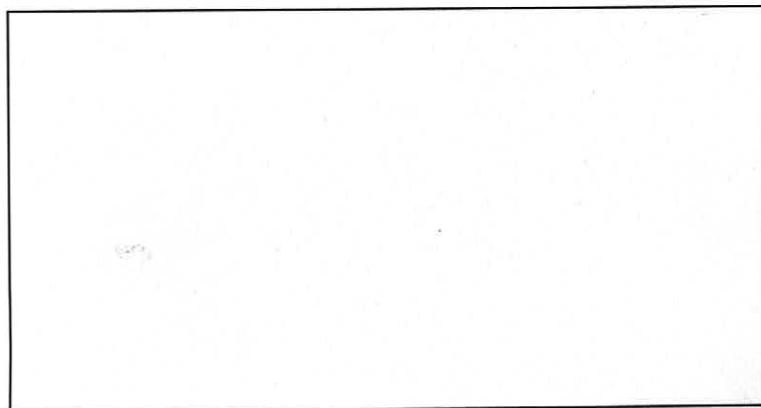
1392 0.005

Coordinates

11 S 34 8, 4 17

3,81 1, 2 23

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS LES TDC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL A 213 L#3
 SURFACE DESCRIPTION SOIL/CHIPS
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE TJA I.D. NO. _____ TYPE J631X (2) ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHR+DFA 2610150166 SUPPLIER Linde PSIG START 600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
06747	5	0									
1	5	1						1631	0.000		
	5	2					NF, F			T303	#800
0805	5	3	72	71	64	64	-1.2/-0.8			ΔE3	0825/0826
1	5	4						1392	0.000	S3029	0823
0817	5	5								S3025	0824

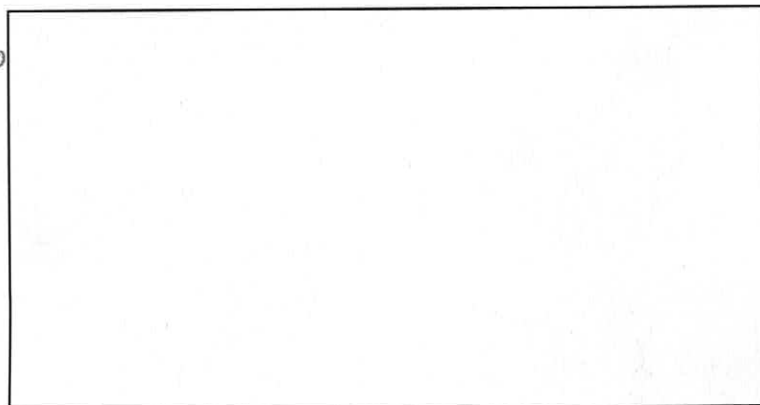
COMMENTS:

SITE DIAGRAM

NF, F

FID Outside: 0.1/0.5
 H₂S Outside: 1631 0.000 0.000
1392 0.006

 Coordinates
 11 S 34 8.412
 3,81 1.232



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 213 L#4
 SURFACE DESCRIPTION SOIL/CAPS
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP-DFA CC 115366 SUPPLIER LINEE PSIG START 400 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0734	5	0									
↓	5	1									
↓	5	2					NF, F	1631	0.000	T304	# 643
0752	5	3	71	70	71	61	-2.5/-1.6			At	0805-0809
	5	4								S304a	0804
0804	5	5						1392	0.000	S304b	0804

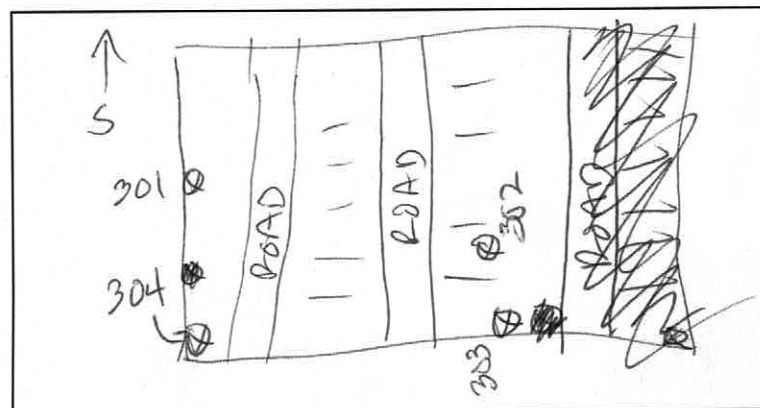
COMMENTS:

NF F

FID Outside: 0.121 -0.4
 H₂S Outside: 1631 0.000
1392 0.006

 Coordinates
 11 S 34 8.469
3.81 1.218

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CBS TMC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 197 L#1
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP + DRACC 71881B SUPPLIER LINDSE PSIG START 2000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0902	5	0									
1	5	1									
1	5	2					NF F	1631	0.000	T305	# 700
0920	5	3	132	116	95	84	-0.5/0.5			ΔE	0942-0946
1	5	4								S305a	0941
0932	5	5						1392	0.001	S305b	0941

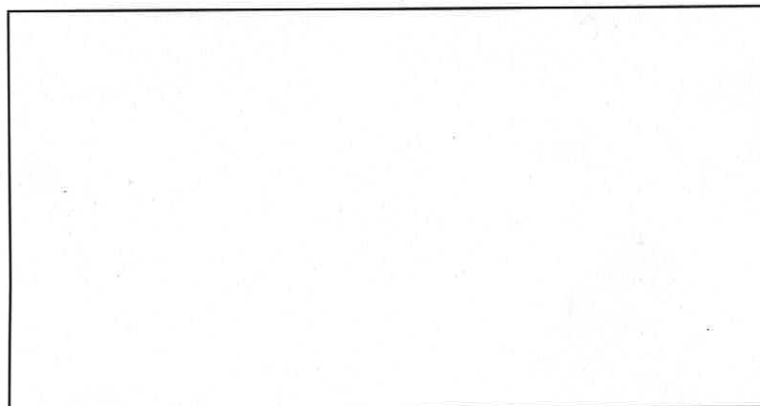
COMMENTS:

SITE DIAGRAM

FID Outside: NF 3.5 / F 5.2
 H₂S Outside: 1631: 0.008
1392: 0.008

Coordinates

11 S 34 8.614
 3,81 1.210



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCLW
 LOCATION Chiquita Canyon Landfill CELL #197 LA2
 SURFACE DESCRIPTION soil w/chips
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP-DFA CC 95446 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H2S			
			Surf	Air	Surf	Air					
0901	5	0									
1	5	1									
1	5	2					NF F	1631	0.000	T306	#860
0919	5	3	NI	107	105	90	390/350			A+5	0940/0945
1	5	4								S306a	0938
0931	5	5						1392	0.001	S306b	0939

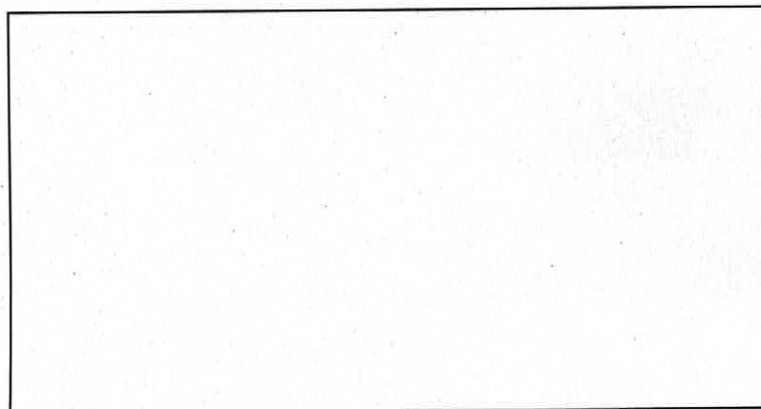
COMMENTS:

SITE DIAGRAM

FID Outside: NF, F
185/130
 H₂S Outside: 1631: 0.002
1392: 0.008

Coordinates

11 S 34 8.615
3.81 1.199



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS LES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 197 L# 3

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UHP + DFA CC 22810 SUPPLIER LINDZ PSIG START 2000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0902	5	0									
	5	1									
✓	5	2					NF / F	1631	0.000	T307	# 760
0920	5	3	118	109	90	79	218 / 180			Δ 15	0936-
	5	4								B307a	0935
0932	5	5						1392	0.002	S307b	0935

COMMENTS:

SITE DIAGRAM

FID Outside: 5 / 84
 H₂S Outside: 1631: 0.006
1392: 0.008

Coordinates

11 S 34 8,600
 3,81 1,206

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CBS TRC JDA PCW

LOCATION Chiquita Canyon Landfill CELL #197 L#4

SURFACE DESCRIPTION SOL/LAPS

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UHP + RFA CC 05466 SUPPLIER LWGB PSIG START 2000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0901	5	0									
0907	5	1									
0913	5	2					NF, F	1631	0.000	T308	# 706
0919	5	3	118	101	96	77	11 / 8.6			Δt4	
0925	5	4								S308a	0932
0931	5	5						1392	0.008	S308b	0933
									0.001		

COMMENTS:

SITE DIAGRAM

FID Outside: NF E 891 814

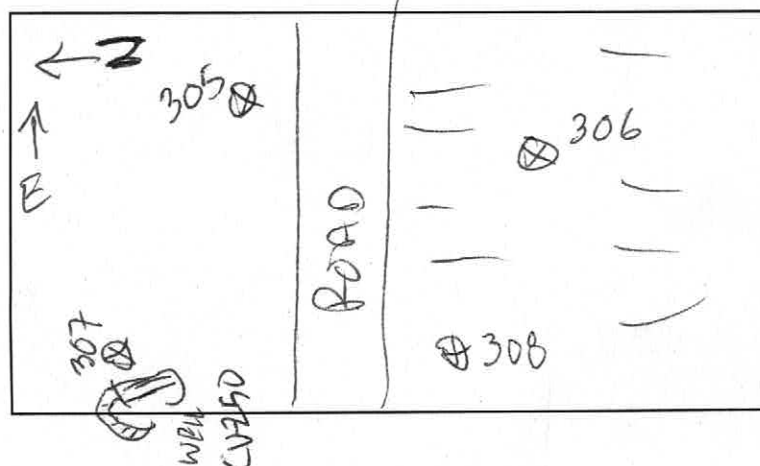
H₂S Outside: 1631 0.006

1392 0.008

Coordinates

11 S 34 8.603

3,81 1.197



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 195 L#1

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAP + DPA CC 95446 SUPPLIER LINDS PSIG START 1800 PSIG STOP _____

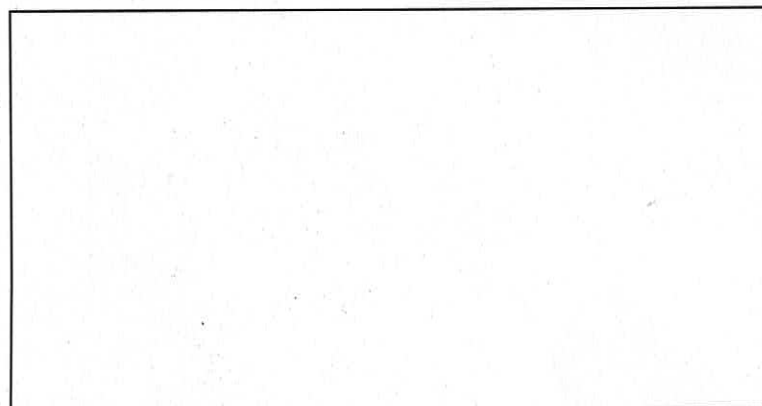
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1008	5	0									
	5	1									
	5	2					NP, F	1631	0.000	T309	#502
1026	5	3	128	117	123	87	-1.3/-1.6			ΔE	1052-1056
	5	4								S309a	
1038	5	5						1392	0.002	S309b	

COMMENTS:

FID Outside: NP F
8.2/-1.5
 H₂S Outside: 1631 : 0.000
1392 : 0.005

Coordinates
 11 S 34 8.701
 3,81 1.233

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 195 L#2
 SURFACE DESCRIPTION Soil/gc955
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHL+DFACC 712848 SUPPLIER LWDE PSIG START 1900 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1008	5	0									
↓	5	1									
↓	5	2					NF, F	1631	0.000	T310	# 618
1026	5	3	160	142	121	91	-1/-1.6			Δt 5	1054/1059
	5	4								S310a	1052
1038	5	5						1392	0.009	S310b	1049/1054

COMMENTS:

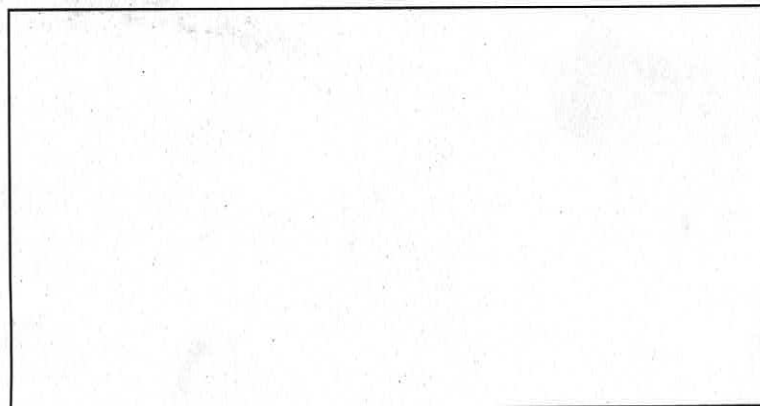
SITE DIAGRAM

NF / F

FID Outside: 3.6 / 0.7
 H₂S Outside: 1631 0.010
1392 0.011

Coordinates

11 S 34 8.711
 3,81 1,233



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TDC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 195 L# 3
 SURFACE DESCRIPTION _____
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP-DETECT 712848 SUPPLIER LOWE PSIG START 1900 PSIG STOP _____

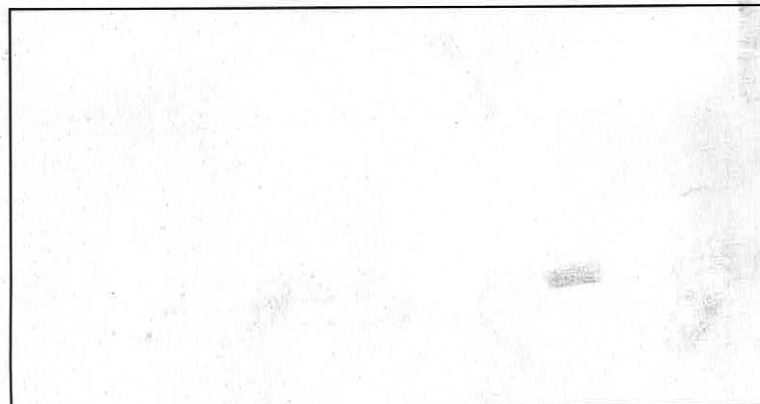
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1008	5	0									
↓	5	1									
↓	5	2					NP P	1631	0.000	T311	#182
1026	5	3	139	125	106	89	-1.4/-1			Δt4	1046/1050
	5	4								S311a	1046
1038	5	5						1392	0.003	S311b	1045

COMMENTS:

SITE DIAGRAM

NP P
 FID Outside: 1/-0.7
 H₂S Outside: 1631 0.009
1392 0.010

Coordinates
 11 S 34 8.708
 3,81 1.243



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 195 L# 4
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VHR-DEACC 95446 SUPPLIER Linde PSIG START 1800 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1008	5	0								T312	# 545
↓	5	1								Δt	1043-1047
↓	5	2					NR F	1631	0.000	S312a	1042
1026	5	3	121	120	119	81	2.8/-2			S312b	1042
	5	4					7.5/-2			T313	# 661
1038	5	5						1392	0.009	Δt	1048-1053
										S313a	1042
										S313b	1042

COMMENTS:

SITE DIAGRAM

FID Outside: 0.5 / 0.4

H₂S Outside: 1631: 0.01

1392: 0.011

MEGA BLK T314 #203 H2O CC95446
S314a, b 1122 2009020

Coordinates

11 S 34 8.686

3,81 1.217

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CBS TRC JDA DCW
 LOCATION Chiquita Canyon Landfill CELL # 158 LA1
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP + OPAcc 95446 SUPPLIER LINE PSIG START 1500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0732	5	0									
	5	1						1631	0.000		
	5	2					NF / F			T401	# 882
0750	5	3	78	75	75	70	-2.8/-3			Δt4	
	5	4						1392	0.001	S401a	0803
0802	5	5								S401b	0804

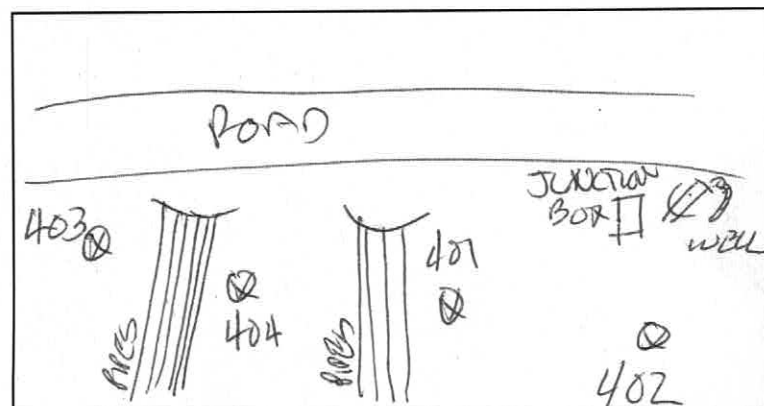
COMMENTS:

NF / F

FID Outside: -2 / -2.0
 H₂S Outside: 1631: 0.000
1392: 0.006

 Coordinates
 11 S 34 8.590
3.81 1.545

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 158 L# 2
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP-DEAC 95446 SUPPLIER UNDE PSIG START 1500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0732	5	0									
↓	5	1						1631:0.000			
↓	5	2					NF F			T402	#505
0750	5	3	74	71	77	69	-4/-3			Δt4	0811/0815
	5	4						1392:0.001		S402a	0809
0802	5	5								S402b	0810

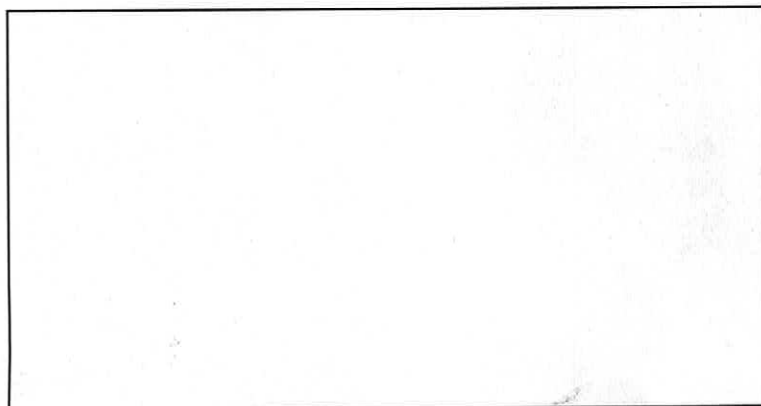
COMMENTS:

FID Outside: NP F
 H₂S Outside: 1631: 0.000
1392: 0.005

Coordinates

11 S 34 0, 580
 3,81 1, 539

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TEC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 158 LA#3
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP-DEA CC 218848 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

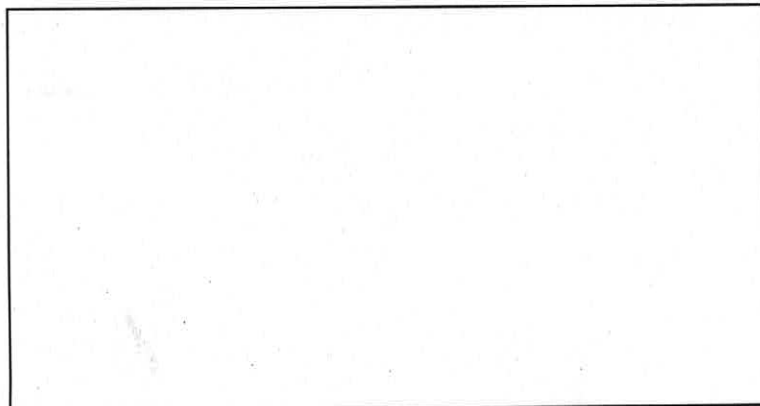
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0752	5	0									
↓	5	1					1631	0.000			
↓	5	2					UF F		T403	# 647	
0754	5	3	76	74	74	68	-3.7/-3.6		Δt	0813-0818	
	5	4						1392	0.000	S403a 0812	
0802	5	5							S403b	0812	

COMMENTS:

UF F
 FID Outside: -0.5/-2.8
 H₂S Outside: 1631: 0.000
1392: 0.008

 Coordinates
 11 S 34 8,605
3,81 1,557

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC SNA PCW

LOCATION Chiquita Canyon Landfill CELL # 15B L# 4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UH400FA CC 218848 SUPPLIER 41002 PSIG START 1600 PSIG STOP _____

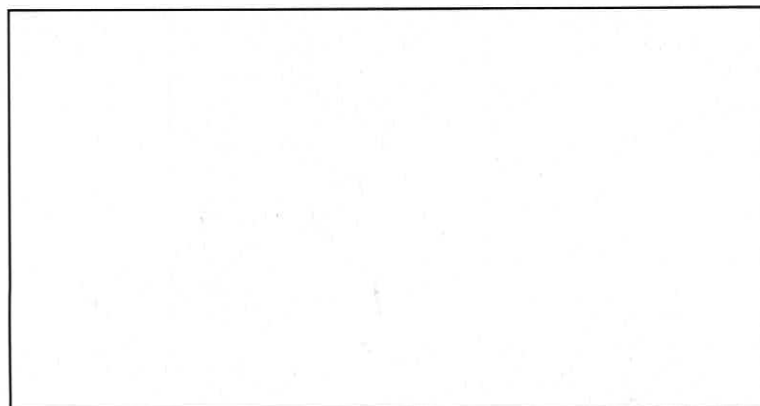
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0737	5	0									
	5	1						1631: 0.000			
	5	2					NF F			T404	# 698
0752	5	3	78	77	71	70	-3 / -3.5			Δt5	0808-
	5	4						1392: 0.000		S404a	0807
0807	5	5								S404b	0807

COMMENTS:

SITE DIAGRAM

FID Outside: NF F
-1.3 / -2
 H₂S Outside: 1631:0.000
1392:0.005

Coordinates
 11 S 34 8.596
 3,81 1.551



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TOC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 149 LA # 1
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAPOR CC 95446 SUPPLIER LANDE PSIG START 1400 PSIG STOP _____

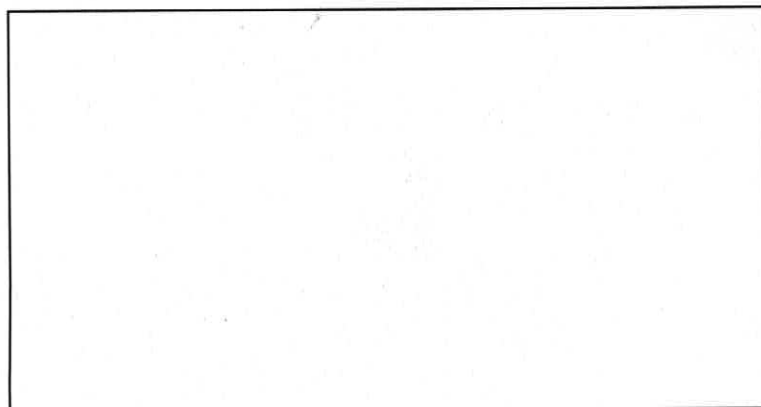
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0833	5	0									
↓	5	1						1631: 0.001			
↓	5	2					NF / F			T405	# 675
0851	5	3	98	92	87	74	-3.3 / -3			Δt	0915-0919
	5	4						1392: 0.003		S405a	09/14
0903	5	5								S405b	09/14

COMMENTS:

FID Outside: NF/F
 H₂S Outside: 1.6 / 0.8
1631: 0.000
1392: 0.008

 Coordinates
11 S 34 8, 719
3,81 1, 525

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JOA PCW
 LOCATION Chiquita Canyon Landfill CELL # 4/9 L# 2
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAR-DFA CC 218848 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0835	5	0									
1	5	1									
1	5	2					NP F	1631:0.000	T406	# 549	
0849	5	3	89	88	86	80	-3.3/-2		Δt 3		
1	5	4					-2		S406a	0901	
0901	5	5						1392:0.000	S406b	0902	

COMMENTS:

152 NP F
 FID Outside: 8.4
 H₂S Outside: 1631
1392
 Coordinates
 11 S 34 8, 757
3, 81 1, 526

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 149 L#3
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VHR-DFA CC 95446 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

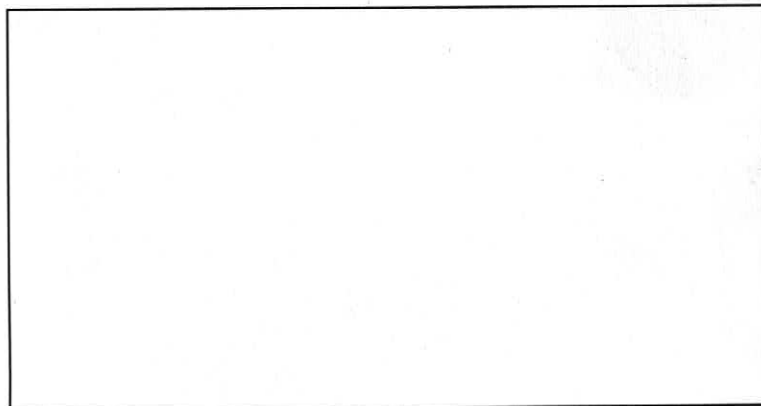
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0833	5	0									
↓	5	1						1631	0.000		
↓	5	2					NR F			T407	# 778
0851	5	3	96	84	86	74	5.3/3.5			Δt6	0910-0916
	5	4						1392	0.000	S407a	0909
0903	5	5								S407b	0909

COMMENTS:

FID Outside: NR / F
3 / 3.3
 H₂S Outside: 1631: 0.004
1392: 0.008

 Coordinates
 11 S 34 8.728
3.81 1.532

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 149 L#4
 SURFACE DESCRIPTION Soil
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VHP-AE CC 218848 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0831	5	0								T408	#837
↓	5	1						1631: 0.000		Δt 3	0913 / 0916
↓	5	2					NF F			S408a	0909
0849	5	3	101	81	84	74	370 / 320			S408b	0908
	5	4						1392: 0.000		T409	# 766
0901	5	5								Δt 3	0911 / 0919
										S409a	0912
										S409b	0911

COMMENTS:

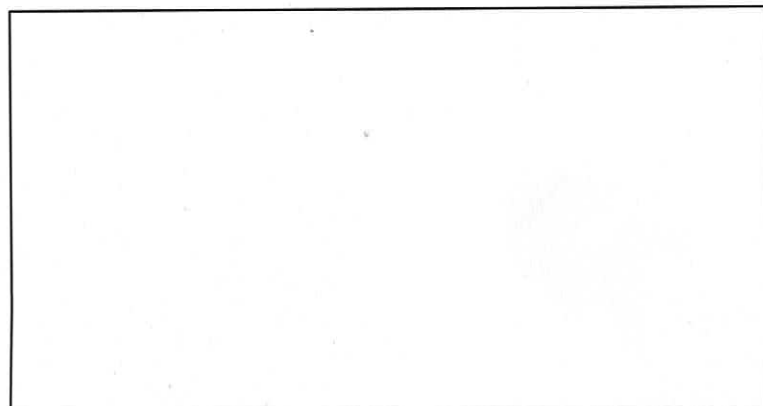
SITE DIAGRAM

FID Outside: NF. P
 H₂S Outside: 1631: 0.000
1392: 0.008

Coordinates

11 S 34 8.743
 3,81 1.532

CC 218848
 203 ppbv
 11-DFA



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CEB TRC JDA DCW
 LOCATION Chiquita Canyon Landfill CELL # 131 L#1
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP + DPA CC 95446 SUPPLIER LANDE PSIG START 1100 PSIG STOP _____

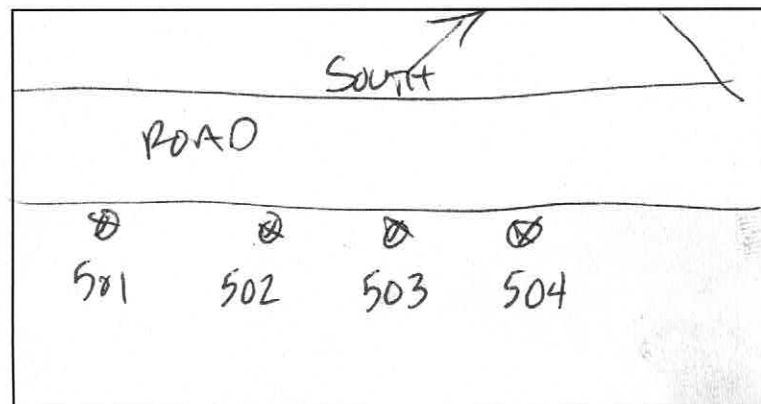
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631: 0.000	T.501	# 638	
↓	5	2					UF F		ΔE	1017-1023	
1001	5	3	76	70	76	67	-5.1/-5.3		S501a	1016	
	5	4						1392: 0.000	S501b	1016	
1013	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NR -4 / F -4.7
 H₂S Outside: 1631: 0.000
1392: 0.008

 Coordinates
 11 S 34 8,800
3,81 0,882



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL# 131 L# 2
 SURFACE DESCRIPTION Soil
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP+DFA CC 95446 SUPPLIER LINDE PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631: 0.000	T502	# 4/17	
↓	5	2					NF, F			At	1022-1027
1001	5	3	82	75	77	71	-5.4/-5.6			5502a	1021
	5	4						1392: 0.000		5502b	1021
1013	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF F
-4.2 / -5.2
 H₂S Outside: 1631: 0.000
1392: 0.006

Coordinates

11 S 34 8, 794
 3,81 0, 839

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TRC JDA DCW
 LOCATION Chiquita Canyon Landfill CELL # 131 L# 4(3)
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHR DEA CC 218848 SUPPLIER LINDE PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631	0.000	T503	# 792
↓	5	2								At 6	1015/1021
1001	5	3	77	73	77	69	NP F -5.8/-5.6			S502a	1013
	5	4						1392	0.000	S503b	1014
1013	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NP -4.5 / -5.5
 H₂S Outside: 1631 : 0.000
1392 : 0.007

Coordinates

11 S 34 8,780
 3,81 0,873

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TDC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 131 LA 4
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☒ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VMP+DFAcc 218848 SUPPLIER LMDC PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631: 0.000	504	# 552	
↓	5	2					NF, F			At 4	
1001	5	3	76	71	75	67	-6.5/-6.3			S504g	1023
	5	4						1392: 0.000	S504b	1024	
1013	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF F
-5 -5.5
 H₂S Outside: 1631: 0.000
1392: 0.005

Coordinates

11 S 34 8.775
 3.81 2.862

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TRC JDA RCD
 LOCATION Chiquita Canyon Landfill CELL # 133 L# 1
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. G PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR DAF + DFA CC 218848 SUPPLIER LM 902 PSIG START 900 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1045	5	0									
↓	5	1						1631: 0.000	T505	# 704	
↓	5	2							Δt	1126-1130	
1103	5	3	86	82	84	72	NP F 6.2/-6.2		5505a	1125	
	5	4					(-6.7/-6.4)	1392: 0.000	5505b	1125	
1115	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NP F
-5.4 / -6.2
 H₂S Outside: 1631: 0.000
1392: 0.007

Coordinates

11 S 34 8, 830
 3,81 0, 774

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TRC JDA PCW

LOCATION Chiquita Canyon Landfill CELL # 133 L# 2

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAR + He CC 248848 SUPPLIER LINE PSIG START 900 PSIG STOP _____

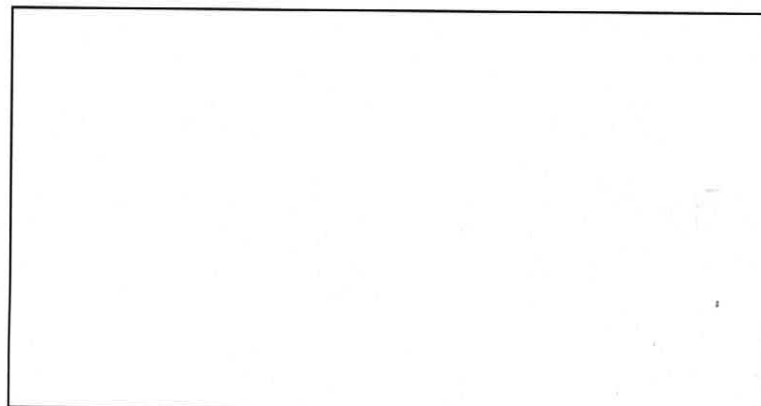
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1045	5	0									
↓	5	1						1631: 0.000	T506	# 895	
↓	5	2							Δt	1121-1127	
1103	5	3	83	80	82	70	NF F -6 / -6.4			55069	1120
	5	4						1392: 0.000	55066	1120	
1115	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF F
-4.7 / -5.2
 H₂S Outside: 1631: 0.000
1392: 0.008

Coordinates
 11 S 34 8, 8 23
 3, 81 0, 7 8 2



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TRC JOA RCLW
 LOCATION Chiquita Canyon Landfill CELL # 133 L# 3
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. 0 PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP-DFA 95446 SUPPLIER LWDE PSIG START 900 PSIG STOP _____

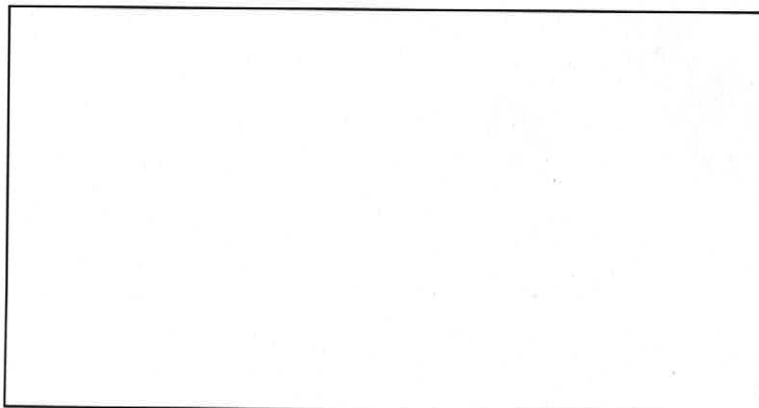
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1045	5	0									
↓	5	1						1631: 0.000	T507	# 856	
↓	5	2							AT4	1124/1128	
1103	5	3	83	80	80	71	NF F -5.3/-5.6		5507a	1121	
	5	4						1392: 0.001	5507b	1123	
1115	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF F
-4.5 / -5.4
 H₂S Outside: 1631: 0.000
1392: 0.008

Coordinates
 11 S 34 8.819
 3,81 0.387



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TAC JDA RCU
 LOCATION Chiquita Canyon Landfill CELL # 133 L# 4
 SURFACE DESCRIPTION SOIL
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAP-0FAcc 95446 SUPPLIER LINE PSIG START 900 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
1045	5	0								T508	# 877
↓	5	1						1631	0.000	Δt-4	
↓	5	2					NE F			S508a	1115
1103	5	3	82	79	81	73	-5.4/-5.4			S508b	1117
	5	4						1392	0.000	T509	# 640
1115	5	5								Δt	
										S509a	1118
										S509b	1119

COMMENTS:

SITE DIAGRAM

FID Outside: NE F -4.2 / -4.8

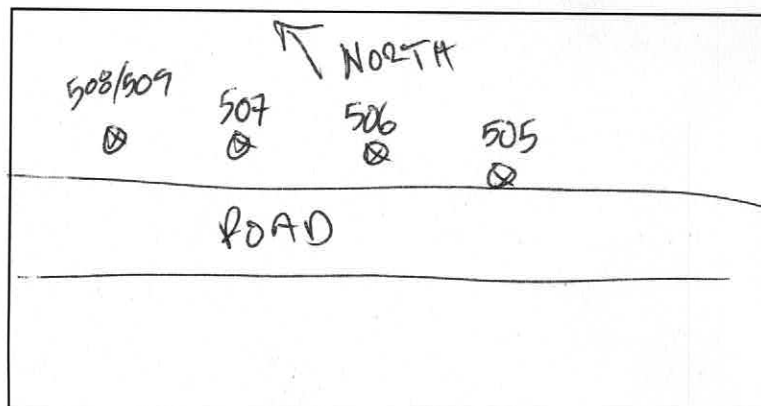
H₂S Outside: 1631: 0.000

1392: 0.007

Coordinates

11 S 34 8.814

3,81 0.795



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS LES TOC JDA RCL

LOCATION Chiquita Canyon Landfill CELL # 86 L#1

SURFACE DESCRIPTION SOIL/CHIPS/DRYED VEGETATION

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UHR-DFA CC 218848 SUPPLIER UNOB PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631: 0.000	T601	# 506	
↓	5	2							At 3	0750/0753	
0735	5	3	73	64	70	61	NF F 3.3/4		S601a	0748	
	5	4						1392: 0.000	S601b	0748	
0747	5	5									

COMMENTS:

SITE DIAGRAM

NF / F

FID Outside: 3.1 / 3.8

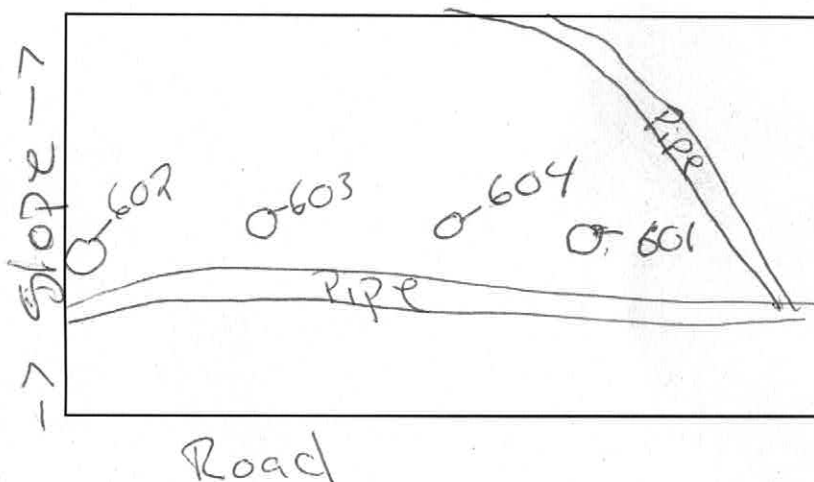
H₂S Outside: 1631: 0.000

1392: 0.001

Coordinates

11 S 34 8.8 23

3,81 1.274



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL # 86 2#2
 SURFACE DESCRIPTION SOIL / LARBS / DRIED VEGETATION
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UHP-DFA CC 95446 SUPPLIER 24NDZ PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631: 0.000	T602	# 642	
↓	5	2					NR F			At	0755-0801
0735	5	3	71	65	70	61	0.13/0.42			S602a	0754
	5	4						1392: 0.000	S602b	0754	
0747	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NR / F
 H₂S Outside: 1631: 0.012
1392: 0.001

Coordinates

11 S 34 8, 794
3,81 1, 290

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES T2C JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 86 L#3
 SURFACE DESCRIPTION SOIL/CHARS / OPEN VEG
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL Y CONDENSATION: Yes ☒ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☒ Wind at 5', LIGHT mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR URG-DEA CC 95446 SUPPLIER LINDZ PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631: 0.000	T603	# 990	
↓	5	2					NF, F		Δt	0749-0756	
0735	5	3	71	66	70	61	0.8/1.7		S603a	0748	
	5	4						1392: 0.002	S603b	0748	
0747	5	5						0.000			

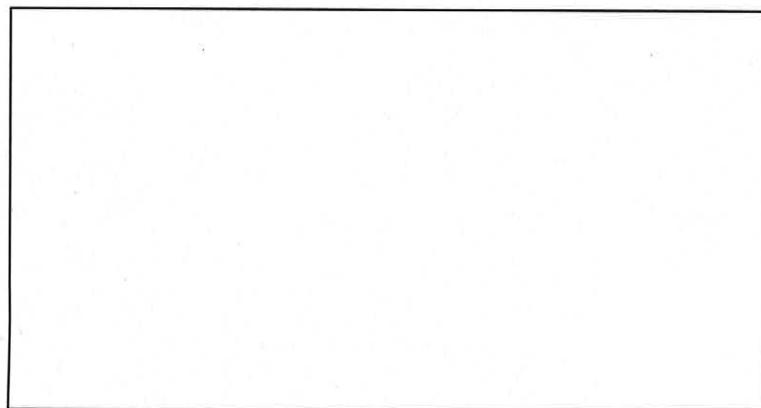
COMMENTS:

SITE DIAGRAM

FID Outside: NF / F
 H₂S Outside: 1631: 0.004
1392: 0.002

Coordinates

11 S 34 _____
 3, 81 _____



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TDC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 86 L# 4

SURFACE DESCRIPTION SOIL/CLIPS / DROD VEGETATION

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

CHAMBER I.D. 9 PHOTO TAKEN: Yes ☒ No ☐

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR 1/2" DPA CC 218848 SUPPLIER LWDE PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631: 0.000	T604	# 858	
↓	5	2					NR F		Δt 4		
0735	5	3	68	65	69	62	1.2/1.6		S604b	0754	
	5	4						1392: 0.000	S604b	0754	
0747	5	5									

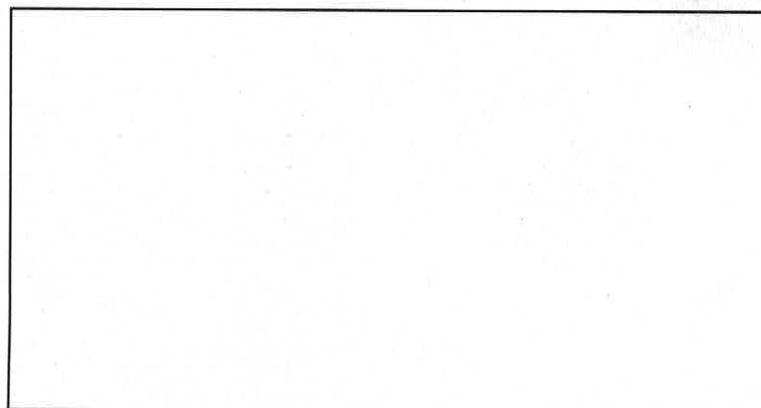
COMMENTS:

SITE DIAGRAM

FID Outside: NR / F
H₂S Outside: 1631: 0.000
1392: 0.002

Coordinates

11 S 34 8.8 13
3.81 1.273



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CBS TRC JDA RCW
 LOCATION Chiquita Canyon Landfill CELL # 232 L# 1
 SURFACE DESCRIPTION CHIPS
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. ① PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR VAPOR DRA 95446 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0821	5	0									
↓	5	1						1631	0.000	T605	#847
↓	5	2								Δt	0903-0918
0839	5	3	93	90	85	69	NF / F 110/50			S605a	0902
	5	4					-0.3 / -0.8	1392	0.000	S605b	0902
0851	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NP F
-0.2 / 36 0.1
 H₂S Outside: 1631 0.000
1392 0.005

Coordinates

11 S 34 8.578
 3,81 1.022

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TAC JDA PCW

LOCATION Chiquita Canyon Landfill CELL # 232 L#2

SURFACE DESCRIPTION SOIL / CHIPS (MORE SOIL)

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS _____

CHAMBER I.D. 9 PHOTO TAKEN: Yes ☒ No ☐

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR UAP+DFA CC 218848 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0821	5	0									
↓	5	1						1631: 0.008	T606	# 803	
↓	5	2							Δt	0906/0910	
0839	5	3	88	79	84	73	NF F 2.8/2.4			S606a	0904
	5	4						1392: 0.000	S606b	0904	
0851	5	5									

COMMENTS:

SITE DIAGRAM

FID Outside: NF 5.4 / F 6.7

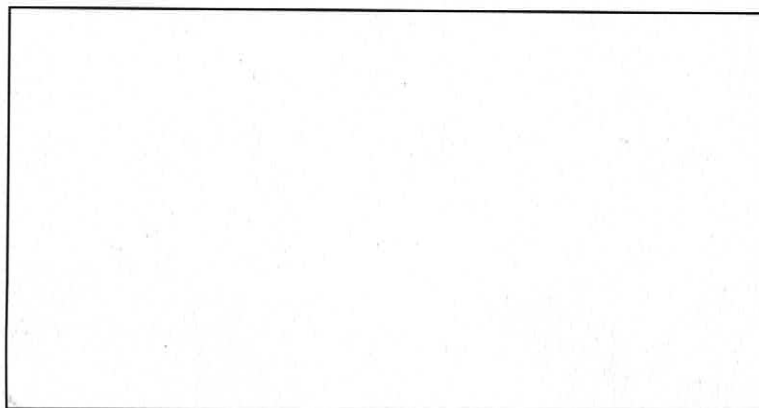
H₂S Outside: 1631: 0.000

1392: 0.003

Coordinates

11 S 34 8,589

3,81 1,003



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS LES TRC JDA PCW
 LOCATION Chiquita Canyon Landfill CELL# 232 2#3
 SURFACE DESCRIPTION CHIPS
 CURRENT ACTIVITY _____
 INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____
 INSTRUMENT BASELINE _____
 PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
 AMBIENT CONCENTRATIONS _____
 CHAMBER I.D. E PHOTO TAKEN: Yes ☒ No ☐
 CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____
 AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', _____ mph Wind at Seal, _____ mph
 TEMP _____ RAIN: Yes ☐ No ☒ Comment _____
 PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐
 SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐
 SWEEP AIR UAP+DPAcc 95H/46 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0821	5	0									
	5	1						1631: 0.000	T607	# 894	
	5	2					NP F		At	0908-0912	
0839	5	3	103	95	85	72	250/210		S607a	0905	
	5	4						1392: 0.000	S607b	0905	
0851	5	5									

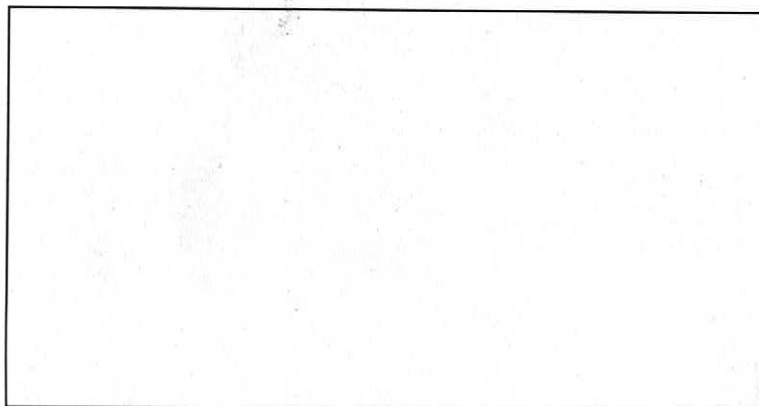
COMMENTS:

SITE DIAGRAM

FID Outside: NP F
16 / 13
 H₂S Outside: 1631: 0.000
1392: 0.007

Coordinates

11 S 34 8.572
 3,81 1.020



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS LES TRC JDA RCLW

LOCATION Chiquita Canyon Landfill CELL # 232 L # 4

SURFACE DESCRIPTION CHRS

CURRENT ACTIVITY _____

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

INSTRUMENT BASELINE _____

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

AMBIENT CONCENTRATIONS

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

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

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

SWEEP AIR VAP+DFA CC 218848 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H ₂ S			
			Surf	Air	Surf	Air					
0821	5	0								T608	#730
↓	5	1						1631: 0.000		Δt 3	0859/0902
↓	5	2					NP / F			S608a	0858
0839	5	3	84	80	81	70	480/390			S608b	0858
	5	4						1392: 0.000		T609a	# 675
0851	5	5								Δt 3	0903/0906
										S609a	0855
										S609b	0855

COMMENTS:

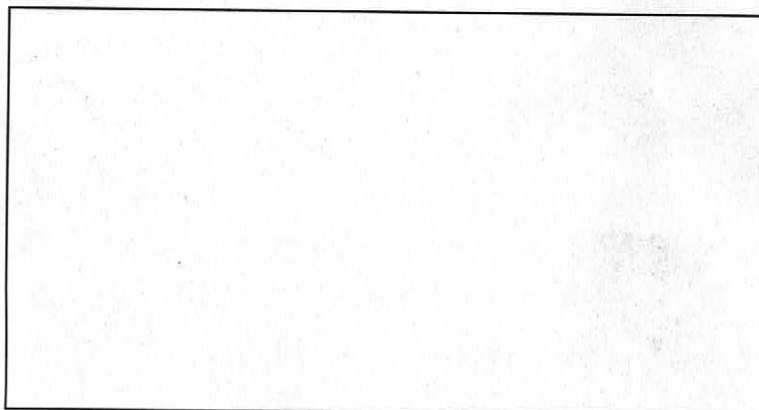
SITE DIAGRAM

FID Outside: NP / F
 H₂S Outside: 1631: 0.000
1392: 0.005

Media Blank
S610a, b
T610
#753
0931
CC 218848
200
h1 DFA

Coordinates

11 S 34 8.583
 3,81 0.936



CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT B

CHAIN OF CUSTODY

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS	
Client Name SCS		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		Analysis Requested		Can Pressure In (Inches Hg)		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401 Laboratory Phone 805-781-3585	
Project Manager Pat Sullivan		Requested Completion Date		TO-12 FID (TMMHC)		TO-14 FID (See back)		Laboratory Contact Dr. Steve Hoyt stevehoyt@easlab.com	
Station Number		Date		Time		Can Pressure Out (Inches)		Remarks	

Station Number	Date	Time	Sample ID Number		Can ID Number		Analysis Requested	Can Pressure In (Inches Hg)	Can Pressure Out (Inches)	Remarks
			Sample ID Number	Can ID Number	Sample ID Number	Can ID Number	Analysis Requested	Can Pressure In (Inches Hg)	Can Pressure Out (Inches)	Remarks
15	7/16/2025	8:24	T-201	846	846	846	X	-29	0	706
16	7/16/2025	8:38	T-202	764	764	764	X	-29	0	700
17	7/16/2025	8:46	T-203	690	690	690	X	-29	0	716
18	7/16/2025	8:51	T-204	531	531	531	X	-29	0	700
19	7/16/2025	9:24	T-205	744	744	744	X	-29	0	689
20	7/16/2025	9:32	T-206	779	779	779	X	-29	0	699
21	7/16/2025	9:31	T-207	672	672	672	X	-29	0	678
22	7/16/2025	9:40	T-208	697	697	697	X	-29	0	690
23	7/16/2025	1:05	T-209	509	509	509	X	-29	0	680
24	7/16/2025	1:54	T-210	712	712	712	X	-29	0	692
25	7/16/2025	1:59	T-211	684	684	684	X	-29	0	691
26	7/16/2025	1:00	T-212	729	729	729	X	-29	0	690
27	7/16/2025	1:06	T-213	503	503	503	X	-29	0	690
28	7/16/2025	1:30	T-214	754	754	754	X	-29	0	733

Sampler	Date/Time	Relinquished by	Date/Time	HAZWAP/NEESA	Y	N
Received by	Date/Time	Relinquished by	Date/Time	QC Level	1	2 3
Received by	Date/Time	Relinquished by	Date/Time	Anal Req		
Received by Laboratory	Date/Time	Relinquished by	Date/Time	Cust Seal		
Remarks	Sample Condition					

CE Schmidt, Ph.D., Environmental Consultant
Chain of Custody Record

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS	
Client Name SCS		Dr. Charles E. Schmidt		Analysis Requested		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401	
Project Manager Pat Sullivan		19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		Fixed gases (List on back)		Laboratory Phone 805-781-3585	
Requested Completion Date				TO-14 FID (See back)		Laboratory Contact Dr. Steve Hoyt stevehoyt@easlab.com	
				TO-15 FID (List on back)		Remarks	
				TO-16 FID (List on back)			
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CE Schmidt, Ph., Environmental Consultant

TO-15 Day 4

Chain of Custody Record

Form Serial Number CES F-1-02106		For Information Regarding These Samples Please Contact:		Client Address and Phone Number		Laboratory Name	
Client Name SCS Chiquita Canyon Landfill Project Manager Pat Sullivan		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		EAS	
Requested Completion Date		Date		Time		Laboratory Address	
Station Number		Date		Time		Laboratory Contact	
43	7/18/2025	8:29				702	
44	7/18/2025	8:11				709	
45	7/18/2025	8:13				707	
46	7/18/2025	8:08				708	
47	7/18/2025	9:15				682	
48	7/18/2025	9:04				695	
49	7/18/2025	9:10				694	
50	7/18/2025	9:13				687	
51	7/18/2025	9:16				694	
52	7/18/2025	9:22				844	
Sample		Date/Time		Date/Time		HAZWRA/NEESA Y N	
Received by		Date/Time		Date/Time		QC Level 1 2 3	
Received by		Date/Time		Date/Time		COC	
Received by Laboratory		Date/Time		Date/Time		Ana Req	
Remarks		Date/Time		Date/Time		Cust Seal	
		Date/Time		Date/Time		Sample Condition	

Chain of Custody Record

Form Serial Number CES F1-02106		Client Name Chiquita Canyon Landfill		Project Manager Pat Sullivan		Requested Completion Date		For Information Regarding Base Samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		COPY		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895				Laboratory Name EAS	
Station Number	Date	Time	C O R M A P	Sample ID Number	Can ID Number	Sample Container Vial Can Tube	Analysis Requested TO-12 PID (TMMHC) TO-14 PID (See back) TO-15 (List on back) Fixed gases (List on back) 1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches)	Remarks	Laboratory Address 173 Cross Street San Luis Obispo, CA 93401 Laboratory Phone 805-781-3585	Laboratory Contact Dr. Steve Hoyt stevohoyt@easlab.com							
53	7/22/2025	10:17	X	T - 501	638	X	X	-29	0	718									
54	7/22/2025	10:22	X	T - 502	792	X	X	-25	0	716									
55	7/22/2025	10:15	X	T - 503	792	X	X	-29	0	714									
56	7/22/2025	10:26	X	T - 504	704	X	X	-29	0	710									
57	7/22/2025	11:06	X	T - 505	704	X	X	-29	0	709									
58	7/22/2025	11:21	X	T - 506	895	X	X	-25	0	760									
59	7/22/2025	11:24	X	T - 507	896	X	X	-25	0	703									
60	7/22/2025	11:21	X	T - 508	817	X	X	-25	0	705									
61	7/22/2025	11:27	X	T - 509	640	X	X	-25	0	699									
62	7/22/2025	11:48	X	T - 510	688	X	X	-25	0	733									
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	HAZWRAP/NEESA Y N			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	QC Level 1 2 3			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	Ana Req			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	Cust Seal			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	Sample Condition			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	Sample Shipped Via			
Relinquished by: [Signature]													Date/Time: 7/22/25 12:00	Relinquished by: [Signature]	Date/Time: 7/22/25 12:00	UPS FEDEX BUS Other			
Remarks																			

CE Schmidt, .nd, Environmental Consultant
Chain of Custody Record

Sulfur D₂

251759

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		#		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting	
Client Name SCS		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003 Laboratory Phone 805-650-1642		Laboratory Contact John Yokoyama jyokoyama@aacslab.com	
Requested Completion Date		CG OR MA PB		Sample ID Number		SCAQM Method 307-91		Field H2S (ppmv)	
Station Number	Date	Time	CG OR MA PB	Sample ID Number	Sample Container	Relinquished by	Relinquished by	Relinquished by	Remarks
77771	7/15/2025	836	x	S- 101 a/b	Can	X			
77773	7/15/2025	831	x	S- 102 a/b	Tube	X			
77775	7/15/2025	818	x	S- 103 a/b		X			
77776	7/15/2025	833	x	S- 104 a/b		X			
77777	7/15/2025	1003	x	S- 105 a/b		X			
77778	7/15/2025	900	x	S- 106 a/b		X			
77781	7/15/2025	1005	x	S- 107 a/b		X			
77783	7/15/2025	954	x	S- 108 a/b		X			
77785	7/15/2025	1104	x	S- 109 a/b		X			
77787	7/15/2025	1054	x	S- 110 a/b		X			
77789	7/15/2025	1105	x	S- 111 a/b		X			
77791	7/15/2025	1109	x	S- 112 a/b		X			
77793	7/15/2025	1115	x	S- 113 a/b		X			
77795	7/15/2025	1143	x	S- 114 a/b		X			
77797	7/15/2025								
77799	7/15/2025								
77801	7/15/2025								
77803	7/15/2025								
77805	7/15/2025								
77807	7/15/2025								
77809	7/15/2025								
77811	7/15/2025								
77813	7/15/2025								
77815	7/15/2025								
77817	7/15/2025								
77819	7/15/2025								
77821	7/15/2025								
77823	7/15/2025								
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77837	7/15/2025								
77839	7/15/2025								
77841	7/15/2025								
77843	7/15/2025								
77845	7/15/2025								
77847	7/15/2025								
77849	7/15/2025								
77851	7/15/2025								
77853	7/15/2025								
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77861	7/15/2025								
77863	7/15/2025								
77865	7/15/2025								
77867	7/15/2025								
77869	7/15/2025								
77871	7/15/2025								
77873	7/15/2025								
77875	7/15/2025								
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77895	7/15/2025								
77897	7/15/2025								
77899	7/15/2025								
77901	7/15/2025								
77903	7/15/2025								
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77907	7/15/2025								
77909	7/15/2025								
77911	7/15/2025								
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78083	7/15/2025								

Sulfur Dz

70 min

Form Serial Number CES F1-02106		Client Name SCS Chiquita Canyon Landfill		Project Manager Pat Sullivan		Requested Completion Date		For Information Regarding These Samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting			
Station Number	Date	Time	CGORMAP	Sample ID Number	Sample Container	Can	Tube	SCA/QMD Method 307-91	Field H2S (ppmv)	Remarks	HAZWRAP/NEESA	Y	N	OC Level	1	2	3
716/2025	8:23		X	S-201 a/b 77837	2	X		X									
716/2025	8:27		X	S-202 a/b 77841	2	X		X									
716/2025	8:16		X	S-203 a/b 77843	2	X		X									
716/2025	8:21		X	S-204 a/b 77845	2	X		X									
716/2025	8:22		X	S-205 a/b 77847	2	X		X									
716/2025	8:32		X	S-206 a/b 77849	2	X		X									
716/2025	8:29		X	S-207 a/b 77851	2	X		X									
716/2025	8:39		X	S-208 a/b 77853	2	X		X									
716/2025	11:04		X	S-209 a/b 77855	2	X		X									
716/2025	10:53		X	S-210 a/b 77857	2	X		X									
716/2025	10:58		X	S-211 a/b 77859	2	X		X									
716/2025	10:59		X	S-212 a/b 77861	2	X		X									
716/2025	10:59		X	S-213 a/b 77863	2	X		X									
716/2025	11:28		X	S-214 a/b 77865	2	X		X									
Sample		OK Schmidt	Date/Time	7/16/25 11:30	Relinquished by	OK Schmidt	Date/Time	7/16/25 11:30	HAZWRAP/NEESA	Y	N	OC Level	1	2	3		
Received by		Steve Schmidt	Date/Time	7/16/25 12:41	Relinquished by		Date/Time		COC		Ice						
Received by			Date/Time		Relinquished by		Date/Time		Ana Req		Temp	AMB					
Received by Laboratory			Date/Time	7/16/25 12:37	Sample Shipped Via	UPS	FEDEX	BUS	Hand	Other	Air Bill No.						
Remarks																	

Sulfur Dioxide

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CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

251796

Sulfur D₄

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		#		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting	
Client Name SCS		Dr. Charles E. Schmidt		O		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003	
Project Manager Pat Sullivan		19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		F				Laboratory Phone 805-550-1642	
Requested Completion Date				C				Laboratory Contact John Yokoyama jyokoyama@aaclab.com	
				O				Field H2S (ppmv)	
				N				Remarks	
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CE Schmidt, rhd, Environmental Consultant
Chain of Custody Record

251839

Sulfur Dioxide

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting																																																																
Client Name SCS Chiquita Canyon Landfill		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003		Laboratory Phone 805-660-1642																																																																
Requested Completion Date				SCAQMD Method 307-91		Laboratory Contact John Yokoyama jyokoyama@aaciab.com		Field H2S (ppmv)																																																																
Station Number	Date	Time	C G O R M A P B	Sample ID Number	Sample Container Bag Can Tube	Relinquished by	Relinquished by	Relinquished by	Relinquished by																																																															
78167	7/23/2025	7:40	x	S- 601 a/b	X																																																																			
78168	7/23/2025	7:41	x	S- 602 a/b	X																																																																			
78169	7/23/2025	7:42	x	S- 603 a/b	X																																																																			
78170	7/23/2025	7:43	x	S- 604 a/b	X																																																																			
78171	7/23/2025	7:44	x	S- 605 a/b	X																																																																			
78172	7/23/2025	7:45	x	S- 606 a/b	X																																																																			
78173	7/23/2025	7:46	x	S- 607 a/b	X																																																																			
78174	7/23/2025	7:47	x	S- 608 a/b	X																																																																			
78175	7/23/2025	7:48	x	S- 609 a/b	X																																																																			
78176	7/23/2025	7:49	x	S- 610 a/b	X																																																																			
78177	7/23/2025	7:50																																																																						
78178	7/23/2025	7:51																																																																						
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78183	7/23/2025	7:56																																																																						
78184	7/23/2025	7:57																																																																						
78185	7/23/2025	7:58																																																																						
78186	7/23/2025	7:59																																																																						
<table border="1"> <tr> <td>Sampler</td> <td>7/23/2025</td> <td>1100</td> <td>Relinquished by</td> <td>7/23/2025</td> <td>1100</td> <td>HAZWOP/NEESA Y N</td> </tr> <tr> <td>Received by</td> <td></td> <td></td> <td>Relinquished by</td> <td></td> <td></td> <td>QC Level 1 2 3</td> </tr> <tr> <td>Received by</td> <td></td> <td></td> <td>Relinquished by</td> <td></td> <td></td> <td>COC</td> </tr> <tr> <td>Received by Laboratory</td> <td></td> <td></td> <td>Sample Shipped Via</td> <td></td> <td></td> <td>Ana Reg</td> </tr> <tr> <td>Remarks</td> <td></td> <td></td> <td>UPS</td> <td></td> <td></td> <td>Temp AMB</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FEDEX</td> <td></td> <td></td> <td>Cust Seal</td> </tr> <tr> <td></td> <td></td> <td></td> <td>BUS</td> <td></td> <td></td> <td>pH</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Hand</td> <td></td> <td></td> <td>Sample Condition</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Other</td> <td></td> <td></td> <td></td> </tr> </table>										Sampler	7/23/2025	1100	Relinquished by	7/23/2025	1100	HAZWOP/NEESA Y N	Received by			Relinquished by			QC Level 1 2 3	Received by			Relinquished by			COC	Received by Laboratory			Sample Shipped Via			Ana Reg	Remarks			UPS			Temp AMB				FEDEX			Cust Seal				BUS			pH				Hand			Sample Condition				Other			
Sampler	7/23/2025	1100	Relinquished by	7/23/2025	1100	HAZWOP/NEESA Y N																																																																		
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CE Schmidt, Ph.D.

Environmental Consultant

Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT C

LABORATORY REPORTS



Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

Prepared For:

C.E. Schmidt

19200 Live Oak Road

Red Bluff

CA 96080

Project Number: 17807

Sample Event Date: 7/15,7/16,7/17,7/

Received Date: 7/18/2025

Report Date: 8/11/2025

Project Number: TO-15

PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is a unique identifier for the sample.

This Report Contains:

Laboratory Work Order

Project Sample Media

Laboratory Case Narrative and Chain of Custody

Method Description (when applicable)

Quality Control Reports

Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 225210

Project Number: 17807

Client: Chuck Schmidt

Received: 7/18/2025

C.E. Schmidt

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	225210 1	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-101	225210 1	ASTM D3416 Low Level Methane	7/15/2025
T-101	225210 1	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-101	225210 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-101	225210 1	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-102	225210 2	ASTM D3416 Low Level Methane	7/15/2025
T-102	225210 2	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-102	225210 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	ASTM D1945 Hydrogen	7/15/2025
T-103	225210 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-103	225210 3	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-103	225210 3	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	ASTM D1945 Hydrogen	7/15/2025
T-104	225210 4	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-104	225210 4	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-104	225210 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-105	225210 5	ASTM D1945 Hydrogen	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	225210 5	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-105	225210 5	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-106	225210 6	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-106	225210 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-106	225210 6	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-107	225210 7	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-107	225210 7	ASTM D3416 Low Level Methane	7/15/2025
T-107	225210 7	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-108	225210 8	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	ASTM D3416 Low Level Methane	7/15/2025
T-108	225210 8	ASTM D1945 Hydrogen	7/15/2025
T-108	225210 8	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D1945 Hydrogen	7/15/2025
T-109	225210 9	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D3416 Low Level Methane	7/15/2025
T-109	225210 9	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-109	225210 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-110	225210 10	ASTM D1945 Hydrogen	7/15/2025
T-110	225210 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-110	225210 10	ASTM D3416 Low Level Methane	7/15/2025
T-111	225210 11	ASTM D1945 Hydrogen	7/15/2025
T-111	225210 11	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-111	225210 11	ASTM D3416 Low Level Methane	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	225210 17	ASTM D1945 Hydrogen	7/16/2025
T-203	225210 17	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	ASTM D1945 Hydrogen	7/16/2025
T-204	225210 18	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-204	225210 18	ASTM D3416 Low Level Methane	7/16/2025
T-204	225210 18	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-205	225210 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	ASTM D3416 Low Level Methane	7/16/2025
T-205	225210 19	ASTM D1945 Hydrogen	7/16/2025
T-205	225210 19	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D1945 Hydrogen	7/16/2025
T-206	225210 20	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D3416 Low Level Methane	7/16/2025
T-206	225210 20	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-206	225210 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-207	225210 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	ASTM D3416 Low Level Methane	7/16/2025
T-207	225210 21	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-207	225210 21	ASTM D1945 Hydrogen	7/16/2025
T-208	225210 22	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-208	225210 22	ASTM D3416 Low Level Methane	7/16/2025
T-208	225210 22	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-208	225210 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-208	225210 22	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-209	225210 23	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	ASTM D1945 Permanent Gas Analysis	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	225210 23	ASTM D3416 Low Level Methane	7/16/2025
T-209	225210 23	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-210	225210 24	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	ASTM D1945 Hydrogen	7/16/2025
T-210	225210 24	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-210	225210 24	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	ASTM D1945 Hydrogen	7/16/2025
T-211	225210 25	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-211	225210 25	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-211	225210 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-212	225210 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D3416 Low Level Methane	7/16/2025
T-212	225210 26	ASTM D1945 Hydrogen	7/16/2025
T-212	225210 26	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	ASTM D1945 Hydrogen	7/16/2025
T-213	225210 27	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-213	225210 27	ASTM D3416 Low Level Methane	7/16/2025
T-213	225210 27	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	ASTM D1945 Hydrogen	7/16/2025
T-214	225210 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-214	225210 28	ASTM D3416 Low Level Methane	7/16/2025
T-214	225210 28	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-301	225210 29	ASTM D1945 Hydrogen	7/17/2025
T-301	225210 29	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-301	225210 29	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	225210 29	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-301	225210 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-302	225210 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D3416 Low Level Methane	7/17/2025
T-302	225210 30	ASTM D1945 Hydrogen	7/17/2025
T-302	225210 30	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	ASTM D1945 Hydrogen	7/17/2025
T-303	225210 31	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-303	225210 31	ASTM D3416 Low Level Methane	7/17/2025
T-303	225210 31	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-304	225210 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-304	225210 32	ASTM D1945 Hydrogen	7/17/2025
T-304	225210 32	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	ASTM D1945 Hydrogen	7/17/2025
T-305	225210 33	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-305	225210 33	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-305	225210 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-306	225210 34	ASTM D3416 Low Level Methane	7/17/2025
T-306	225210 34	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-306	225210 34	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-306	225210 34	ASTM D1945 Hydrogen	7/17/2025
T-306	225210 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-307	225210 35	ASTM D1945 Hydrogen	7/17/2025
T-307	225210 35	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-307	225210 35	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	225210 35	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-307	225210 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-308	225210 36	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-308	225210 36	ASTM D1945 Hydrogen	7/17/2025
T-308	225210 36	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-308	225210 36	ASTM D3416 Low Level Methane	7/17/2025
T-308	225210 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-309	225210 37	ASTM D3416 Low Level Methane	7/17/2025
T-309	225210 37	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-309	225210 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-310	225210 38	ASTM D3416 Low Level Methane	7/17/2025
T-310	225210 38	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-310	225210 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	ASTM D1945 Hydrogen	7/17/2025
T-311	225210 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-311	225210 39	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-311	225210 39	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	ASTM D1945 Hydrogen	7/17/2025
T-312	225210 40	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-312	225210 40	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-312	225210 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-313	225210 41	ASTM D1945 Permanent Gas Analysis	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-501	225210 53	ASTM D1945 Hydrogen	7/22/2025
T-501	225210 53	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-502	225210 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-502	225210 54	ASTM D1945 Hydrogen	7/22/2025
T-502	225210 54	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-502	225210 54	ASTM D3416 Low Level Methane	7/22/2025
T-502	225210 54	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-503	225210 55	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	ASTM D1945 Hydrogen	7/22/2025
T-503	225210 55	ASTM D3416 Low Level Methane	7/22/2025
T-503	225210 55	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D1945 Hydrogen	7/22/2025
T-504	225210 56	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D3416 Low Level Methane	7/22/2025
T-504	225210 56	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-504	225210 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-505	225210 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	ASTM D3416 Low Level Methane	7/22/2025
T-505	225210 57	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-505	225210 57	ASTM D1945 Hydrogen	7/22/2025
T-506	225210 58	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-506	225210 58	ASTM D3416 Low Level Methane	7/22/2025
T-506	225210 58	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-506	225210 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-506	225210 58	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-507	225210 59	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	ASTM D1945 Permanent Gas Analysis	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-507	225210 59	ASTM D3416 Low Level Methane	7/22/2025
T-507	225210 59	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-508	225210 60	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	ASTM D1945 Hydrogen	7/22/2025
T-508	225210 60	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-508	225210 60	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	ASTM D1945 Hydrogen	7/22/2025
T-509	225210 61	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-509	225210 61	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-509	225210 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-510	225210 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D3416 Low Level Methane	7/22/2025
T-510	225210 62	ASTM D1945 Hydrogen	7/22/2025
T-510	225210 62	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-601	225210 63	ASTM D1945 Hydrogen	7/23/2025
T-601	225210 63	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-601	225210 63	ASTM D3416 Low Level Methane	7/23/2025
T-601	225210 63	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-601	225210 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	ASTM D1945 Hydrogen	7/23/2025
T-602	225210 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-602	225210 64	ASTM D3416 Low Level Methane	7/23/2025
T-602	225210 64	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D1945 Hydrogen	7/23/2025
T-603	225210 65	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-603	225210 65	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-603	225210 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-604	225210 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D3416 Low Level Methane	7/23/2025
T-604	225210 66	ASTM D1945 Hydrogen	7/23/2025
T-604	225210 66	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	ASTM D1945 Hydrogen	7/23/2025
T-605	225210 67	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-605	225210 67	ASTM D3416 Low Level Methane	7/23/2025
T-605	225210 67	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-606	225210 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-606	225210 68	ASTM D1945 Hydrogen	7/23/2025
T-606	225210 68	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	ASTM D1945 Hydrogen	7/23/2025
T-607	225210 69	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-607	225210 69	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-607	225210 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-608	225210 70	ASTM D3416 Low Level Methane	7/23/2025
T-608	225210 70	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-608	225210 70	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-608	225210 70	ASTM D1945 Hydrogen	7/23/2025
T-608	225210 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-609	225210 71	ASTM D1945 Hydrogen	7/23/2025
T-609	225210 71	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-609	225210 71	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-609	225210 71	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-609	225210 71	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	ASTM D1945 Hydrogen	7/23/2025
T-610	225210 72	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-610	225210 72	ASTM D3416 Low Level Methane	7/23/2025
T-610	225210 72	EPA TO-12 C2 to C12 CRYO	7/23/2025

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pressurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media Batch	Pressure, torr Initial	Final	Can Factor
225210	1	T-101	735	697	697	1.00
225210	2	T-102	650	695	695	1.00
225210	3	T-103	823	714	714	1.00
225210	4	T-104	881	701	701	1.00
225210	5	T-105	756	687	687	1.00
225210	6	T-106	634	692	692	1.00
225210	7	T-107	802	676	676	1.00
225210	8	T-108	553	681	681	1.00
225210	9	T-109	605	690	690	1.00
225210	10	T-110	738	676	676	1.00
225210	11	T-111	768	672	672	1.00
225210	12	T-112	897	676	676	1.00
225210	13	T-113	692	685	685	1.00
225210	14	T-114	657	712	712	1.00
225210	15	T-201	846	706	706	1.00
225210	16	T-202	764	700	700	1.00
225210	17	T-203	690	716	716	1.00
225210	18	T-204	531	700	700	1.00
225210	19	T-205	749	689	689	1.00
225210	20	T-206	779	699	699	1.00
225210	21	T-207	672	678	678	1.00
225210	22	T-208	677	690	690	1.00
225210	23	T-209	509	680	680	1.00
225210	24	T-210	712	692	692	1.00
225210	25	T-211	654	691	691	1.00

SDG	Lab ID	Client Sample No.	Sample	Batch	Pressure, torr		Can
			Media		Initial	Final	Factor
	225210 26	T-212	729		690	690	1.00
	225210 27	T-213	503		690	690	1.00
	225210 28	T-214	754		733	733	1.00
	225210 29	T-301	504		703	703	1.00
	225210 30	T-302	718		699	699	1.00
	225210 31	T-303	800		709	709	1.00
	225210 32	T-304	643		718	718	1.00
	225210 33	T-305	700		678	678	1.00
	225210 34	T-306	860		689	689	1.00
	225210 35	T-307	760		680	680	1.00
	225210 36	T-308	706		685	685	1.00
	225210 37	T-309	502		674	674	1.00
	225210 38	T-310	618		678	678	1.00
	225210 39	T-311	182		688	688	1.00
	225210 40	T-312	545		682	682	1.00
	225210 41	T-313	661		679	679	1.00
	225210 42	T-314	603		768	768	1.00
	225210 43	T-401	882		702	702	1.00
	225210 44	T-402	505		709	709	1.00
	225210 45	T-403	647		707	707	1.00
	225210 46	T-404	698		708	708	1.00
	225210 47	T-405	673		682	682	1.00
	225210 48	T-406	549		695	695	1.00
	225210 49	T-407	778		694	694	1.00
	225210 50	T-408	837		687	687	1.00
	225210 51	T-409	766		694	694	1.00
	225210 52	T-410	701		844	844	1.00
	225210 53	T-501	638		718	718	1.00
	225210 54	T-502	417		716	716	1.00
	225210 55	T-503	792		714	714	1.00
	225210 56	T-504	552		710	710	1.00
	225210 57	T-505	704		709	709	1.00
	225210 58	T-506	895		760	760	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
	225210 59	T-507	856		703	703	1.00
	225210 60	T-508	877		705	705	1.00
	225210 61	T-509	640		699	699	1.00
	225210 62	T-510	688		733	733	1.00
	225210 63	T-601	506		718	718	1.00
	225210 64	T-602	642		718	718	1.00
	225210 65	T-603	990		720	720	1.00
	225210 66	T-604	858		708	708	1.00
	225210 67	T-605	847		707	707	1.00
	225210 68	T-606	803		695	695	1.00
	225210 69	T-607	899		701	701	1.00
	225210 70	T-608	730		713	713	1.00
	225210 71	T-609	675		708	708	1.00
	225210 72	T-610	753		581	581	1.00

Laboratory Case Narrative

EAS SDG Number: 225210

Project Number: 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 8/11/2025

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

Chain of Custody Record

[illegible]

225210 17807

Copy

TO: Day 1

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES-F1-02106				For Information Regarding These Samples Please Contact:				Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7835				Laboratory Name EAS			
Client Name SCS Chiquita Canyon Landfill Project Manager Pat Sullivan				Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com				Analysis Requested				Laboratory Address 173 Cross Street San Luis Obispo, CA 93401 Laboratory Phone 805-781-3585			
Requested Completion Date								Fixed gases (List on back)				Can Pressure In (Inches Hg)		Can Pressure Out (Inches)	
Station Number	Date	Type	Sample ID Number	Can ID Number	#	CONTAINER	Sample Container	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches)	Remarks	
15	7/16/2025	8324	T - 201	846	1	X	X	X	X	X	X	-29	0	706	
16	7/16/2025	838	T - 202	724	1	X	X	X	X	X	X	-29	0	700	
17	7/16/2025	836	T - 203	690	1	X	X	X	X	X	X	-29	0	716	
18	7/16/2025	831	T - 204	531	1	X	X	X	X	X	X	-29	0	700	
19	7/16/2025	924	T - 205	744	1	X	X	X	X	X	X	-29	0	689	
20	7/16/2025	932	T - 206	719	1	X	X	X	X	X	X	-29	0	699	
21	7/16/2025	931	T - 207	652	1	X	X	X	X	X	X	-29	0	678	
22	7/16/2025	940	T - 208	699	1	X	X	X	X	X	X	-29	0	690	
23	7/16/2025	1105	T - 209	509	1	X	X	X	X	X	X	-29	0	680	
24	7/16/2025	1054	T - 210	712	1	X	X	X	X	X	X	-29	0	692	
25	7/16/2025	1059	T - 211	684	1	X	X	X	X	X	X	-29	0	691	
26	7/16/2025	1100	T - 212	729	1	X	X	X	X	X	X	-29	0	690	
27	7/16/2025	1104	T - 213	503	1	X	X	X	X	X	X	-29	0	690	
28	7/16/2025	1130	T - 214	784	1	X	X	X	X	X	X	-29	0	733	
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TC, Day 2

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F-02106		For Information Regarding These Samples Please Contact:		Client Address and Phone Number 3000 Kroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7695		Laboratory Name EAS	
Client Name SCS		Dr. Charles E. Schmidt		Analysis Requested		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401	
Chiquita Canyon Landfill		14200 Live Oak Road, Red Bluff, CA 96080		TO-12 FID (TMMHC)		Laboratory Phone 805-761-3885	
Project Manager Pat Sullivan		530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		TO-14 FID (See back)		Laboratory Contact Dr. Steve Hoyt stevehoyt@easlab.com	
Requested Completion Date				TO-15 (List on back)			
Station Number	Date	Time	C O R M A P B	G R A B	Sample ID Number	Can ID Number	Remarks
29	7/17/2025	811	X	T - 301	504	1	703
30	7/17/2025	822	X	T - 302	718	1	699
31	7/17/2025	825	X	T - 303	800	1	709
32	7/17/2025	835	X	T - 304	643	1	718
33	7/17/2025	842	X	T - 305	790	1	678
34	7/17/2025	890	X	T - 306	801	1	689
35	7/17/2025	936	X	T - 307	760	1	680
36	7/17/2025	935	X	T - 308	706	1	685
37	7/17/2025	1052	X	T - 309	502	1	674
38	7/17/2025	1054	X	T - 310	618	1	678
39	7/17/2025	106	X	T - 311	132	1	688
40	7/17/2025	1043	X	T - 312	545	1	682
41	7/17/2025	1048	X	T - 313	661	1	679
42	7/17/2025	1122	X	T - 314	603	1	768
Sample		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	HAZWOP/NEESA Y N
Received by		7/17/25 1308	CS Schmidt	7/17/25 1330			
Received by							
Received by Laboratory		Date/Time	Sample Shipped Via	UPS	FEDEX	BUS	Other
Remarks		7/18/25	1315				

TO-12 Day 3

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106			For Information Regarding These Samples Please Contact:			Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895			Laboratory Name EAS					
Client Name SCS			Dr. Charles E. Schmidt			Analysis Requested			Laboratory Address 173 Cross Street San Luis Obispo, CA 93401					
Project Manager Pat Sullivan			19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com			Fixed gases (if List on back)			Laboratory Phone 805-781-3586					
Requested Completion Date						1,1-DFA Tracer			Laboratory Contact Dr. Steve Hoyt stevehoyt@easlab.com					
Station Number	Date	Time	C/G O/R M/A P/B	Sample ID Number	Can ID Number	#	O F C O N T A I N E R	Sample Container Val Can Tubes	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Can Pressure In (Inches Hg)	Can Pressure Out (Inches)	Remarks
43	7/18/2025	8:26	X	T - 401	682	1	X	X	X	X	X	-29	0	702
44	7/18/2025	8:11	X	T - 402	505	1	X	X	X	X	X	-29	0	709
45	7/18/2025	8:13	X	T - 403	647	1	X	X	X	X	X	-29	0	707
46	7/18/2025	8:08	X	T - 404	698	1	X	X	X	X	X	-29	0	708
47	7/18/2025	8:15	X	T - 405	693	1	X	X	X	X	X	-29	0	682
48	7/18/2025	8:04	X	T - 406	549	1	X	X	X	X	X	-29	0	695
49	7/18/2025	8:10	X	T - 407	718	1	X	X	X	X	X	-29	0	694
50	7/18/2025	8:13	X	T - 408	837	1	X	X	X	X	X	-29	0	687
51	7/18/2025	8:16	X	T - 409	766	1	X	X	X	X	X	-29	0	694
52	7/18/2025	8:42	X	T - 410	701	1	X	X	X	X	X	-29	0	844
Sampler: <u>CE Schmidt</u> Date/Time: <u>7/18/25</u> 1000 Relinquished by: <u>CE Schmidt</u> Date/Time: <u>7/18/25</u> 1600 Received by: <u>ERS</u> Date/Time: Relinquished by: Date/Time: Received by: Date/Time: Relinquished by: Date/Time: Retrieved by Laboratory: Date/Time: <u>7/18/25</u> 1715 Sample Shipped Via: <u>UPS</u> FEDEX BUS Other: Remarks:														

Chain of Custody Record

500

File: Chihuahua Cyn Forms TO-15.x/sb Form: COC TO-15 D5

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number
CES-F1-02106Client Name
SCSChiquita Canyon Landfill
Project Manager
Pat SullivanFor Information Regarding These Samples
Please Contact:
Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
E-Mail: SCHMIDTCE@aol.com

COPY

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895Laboratory Name
EASLaboratory Address
173 Cross Street
San Luis Obispo, CA 93401
Laboratory Phone
805-781-3585Laboratory Contact
Dr. Steve Hoyt
steveloyt@easlab.com

Requested Completion Date

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EAnalysis Requested
TO-12 FID (TNMHC)
TO-14 FID (See back)
TO-15 (List on back)
Fixed gases (List on back)
1,1-DFA Tracer

Can Pressure In (Inches Hg)

Can Pressure Out (Inches)

Remarks

63	7/23/2025	1:50	X	T - 601	506	1	X	X	X	X	X	-27	0	718
64	7/23/2025	1:55	X	T - 602	642	1	X	X	X	X	X	-27	0	718
65	7/23/2025	1:49	X	T - 603	940	1	X	X	X	X	X	-27	0	720
66	7/23/2025	1:56	X	T - 604	858	1	X	X	X	X	X	-27	0	708
67	7/23/2025	1:03	X	T - 605	847	1	X	X	X	X	X	-27	0	707
68	7/23/2025	1:06	X	T - 606	803	1	X	X	X	X	X	-27	0	695
69	7/23/2025	1:08	X	T - 607	849	1	X	X	X	X	X	-27	0	701
70	7/23/2025	1:50	X	T - 608	730	1	X	X	X	X	X	-27	0	713
71	7/23/2025	1:03	X	T - 609	675	1	X	X	X	X	X	-27	0	708
72	7/23/2025	1:31	X	T - 610	753	1	X	X	X	X	X	-27	0	681

Sampler
Date/Time
7/23/25 11:00Received by
Date/Time
7/23/25 11:00Relinquished by
Date/Time
7/23/25 11:00Relinquished by
Date/Time
7/23/25 11:00Sample Shipped Via
UPS
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BUS
OtherRemarks
HAZWRAP/NEESA V N
COC
Ana Req
Cust Seal
Sample Condition

Quality Control Report

EAS SDG Number: 225210

Project Number: 17807

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different than the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07225

File Name: B07225B.D

Description: METHOD BLANK

Canister:

QC_Batch: 072225-MA1

Date Sampled:

Date Analyzed: 7/22/2025

Time:

Time: 14:16

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				106	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07225

File Name: B07225B.D

Description METHOD BLANK

Canister:

QC_Batch: 072225-MA1

Date Sampled:

Date Analyzed: 7/22/2025

Time:

Time: 14:16

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07235

File Name: B07235C.D

Description: METHOD BLANK

Canister:

QC_Batch: 072325-MA1

Date Sampled:

Date Analyzed: 7/23/2025

Time:

Time: 12:59

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07235

File Name: B07235C.D

Descriptor METHOD BLANK

Canister:

QC_Batch: 072325-MA1

Date Sampled:

Date Analyzed: 7/23/2025

Time:

Time: 12:59

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07245

File Name: B07245C.D

Description: METHOD BLANK

Canister:

QC_Batch: 072425-MA1

Date Sampled:

Date Analyzed: 7/24/2025

Time:

Time: 13:05

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				96	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07245

File Name: B07245C.D

Description: METHOD BLANK

Canister:

QC_Batch: 072425-MA1

Date Sampled:

Date Analyzed: 7/24/2025

Time:

Time: 13:05

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07255

File Name: B07255D.D

Description: METHOD BLANK

Canister:

QC_Batch: 072525-MA1

Date Sampled:

Date Analyzed: 7/25/2025

Time:

Time: 14:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				90	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07255

File Name: B07255D.D

Descriptor METHOD BLANK

Canister:

QC_Batch: 072525-MA1

Date Sampled:

Date Analyzed: 7/25/2025

Time:

Time: 14:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07305

File Name: B07305D.D

Description: METHOD BLANK

Canister:

QC_Batch: 073025-MA1

Date Sampled:

Date Analyzed: 7/30/2025

Time:

Time: 14:32

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
			% Rec.	LCL	UCL	
2037-26-5	Toluene-d8		97	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07305

File Name: B07305D.D

Descriptor METHOD BLANK

Canister:

QC_Batch: 073025-MA1

Date Sampled:

Date Analyzed: 7/30/2025

Can Dilution Factor: 1.00

Air Volume: 300 ml

Time:

Time: 14:32

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07315

File Name: B07315C.D

Description: METHOD BLANK

Canister:

QC_Batch: 073125-MA1

Date Sampled:

Date Analyzed: 7/31/2025

Time:

Time: 12:30

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				98	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B07315

File Name: B07315C.D

Description: METHOD BLANK

Canister:

QC_Batch: 073125-MA1

Date Sampled:

Date Analyzed: 7/31/2025

Can Dilution Factor: 1.00

Air Volume: 300 ml

Time:

Time: 12:30

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B08015

File Name: B08015D.D

Description: METHOD BLANK

Canister:

QC_Batch: 080125-MA1

Date Sampled:

Date Analyzed: 8/1/2025

Time:

Time: 12:50

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				97	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B08015

File Name: B08015D.D

Descriptor METHOD BLANK

Canister:

QC_Batch: 080125-MA1

Date Sampled:

Date Analyzed: 8/1/2025

Time:

Time: 12:50

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B08045

File Name: B08045D.D

Description: METHOD BLANK

Canister:

QC_Batch: 080425-MA1

Date Sampled:

Date Analyzed: 8/4/2025

Can Dilution Factor: 1.00

Air Volume: 300 ml

Time:

Time: 13:06

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

METHOD BLANK REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: LABQC

Laboratory ID: B08045

File Name: B08045D.D

Descriptor METHOD BLANK

Canister:

QC_Batch: 080425-MA1

Date Sampled:

Date Analyzed: 8/4/2025

Time:

Time: 13:06

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 072125-MA1

Date: 7/21/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	84		94		70	130	12	25	
75-35-4	1,1-Dichloroethene	93		98		70	130	5	25	
75-09-2	Dichloromethane	94		94		70	130	0	25	
75-34-3	1,1-Dichloroethane	93		93		70	130	0	25	
67-66-3	Chloroform	90		92		70	130	3	25	
71-55-6	1,1,1-Trichloroethane	91		90		70	130	0	25	
107-06-2	1,2-Dichloroethane	100		101		70	130	0	25	
71-43-2	Benzene	100		104		70	130	3	25	
56-23-5	Carbon tetrachloride	72		90		70	130	22	25	
79-01-6	Trichloroethene	100		104		70	130	4	25	
108-88-3	Toluene	97		100		70	130	2	25	
106-93-4	1,2-Dibromoethane	92		100		70	130	8	25	
127-18-4	Tetrachloroethene	102		105		70	130	3	25	
100-41-4	Ethylbenzene	92		95		70	130	3	25	
1330-20-7	m,p-Xylenes	92		96		70	130	4	25	
95-47-6	o-Xylene	92		97		70	130	5	25	
108-67-8	1,3,5-Trimethylbenzene	97		101		70	130	4	25	
95-63-6	1,2,4-Trimethylbenzene	91		95		70	130	4	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 072325-MA1

Date: 7/23/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	92		88		70	130	5	25	
75-35-4	1,1-Dichloroethene	100		92		70	130	8	25	
75-09-2	Dichloromethane	93		96		70	130	3	25	
75-34-3	1,1-Dichloroethane	96		92		70	130	4	25	
67-66-3	Chloroform	94		93		70	130	0	25	
71-55-6	1,1,1-Trichloroethane	93		96		70	130	4	25	
107-06-2	1,2-Dichloroethane	97		103		70	130	6	25	
71-43-2	Benzene	96		104		70	130	8	25	
56-23-5	Carbon tetrachloride	77		73		70	130	5	25	
79-01-6	Trichloroethene	97		103		70	130	5	25	
108-88-3	Toluene	95		101		70	130	6	25	
106-93-4	1,2-Dibromoethane	92		103		70	130	12	25	
127-18-4	Tetrachloroethene	98		105		70	130	7	25	
100-41-4	Ethylbenzene	93		97		70	130	4	25	
1330-20-7	m,p-Xylenes	92		97		70	130	5	25	
95-47-6	o-Xylene	93		98		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	95		101		70	130	7	25	
95-63-6	1,2,4-Trimethylbenzene	87		93		70	130	7	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 072425-MA1

Date: 7/24/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	97		95		70	130	2	25	
75-35-4	1,1-Dichloroethene	108		91		70	130	18	25	
75-09-2	Dichloromethane	109		95		70	130	14	25	
75-34-3	1,1-Dichloroethane	106		90		70	130	16	25	
67-66-3	Chloroform	102		93		70	130	9	25	
71-55-6	1,1,1-Trichloroethane	101		90		70	130	12	25	
107-06-2	1,2-Dichloroethane	104		90		70	130	14	25	
71-43-2	Benzene	99		90		70	130	9	25	
56-23-5	Carbon tetrachloride	78		91		70	130	16	25	
79-01-6	Trichloroethene	103		96		70	130	7	25	
108-88-3	Toluene	104		88		70	130	16	25	
106-93-4	1,2-Dibromoethane	104		99		70	130	5	25	
127-18-4	Tetrachloroethene	101		93		70	130	8	25	
100-41-4	Ethylbenzene	104		95		70	130	8	25	
1330-20-7	m,p-Xylenes	104		93		70	130	12	25	
95-47-6	o-Xylene	109		93		70	130	16	25	
108-67-8	1,3,5-Trimethylbenzene	97		108		70	130	11	25	
95-63-6	1,2,4-Trimethylbenzene	117		93		70	130	23	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 072525-MA1

Date: 7/25/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate	Duplicate	
		Recovery	Flag	Recovery	Flag	LCL	UCL		Limit	Flag
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	103		95		70	130	8	25	
75-35-4	1,1-Dichloroethene	99		93		70	130	6	25	
75-09-2	Dichloromethane	98		94		70	130	4	25	
75-34-3	1,1-Dichloroethane	97		95		70	130	2	25	
67-66-3	Chloroform	97		94		70	130	3	25	
71-55-6	1,1,1-Trichloroethane	95		99		70	130	4	25	
107-06-2	1,2-Dichloroethane	98		101		70	130	3	25	
71-43-2	Benzene	97		101		70	130	4	25	
56-23-5	Carbon tetrachloride	88		87		70	130	2	25	
79-01-6	Trichloroethene	95		97		70	130	2	25	
108-88-3	Toluene	96		102		70	130	6	25	
106-93-4	1,2-Dibromoethane	107		102		70	130	5	25	
127-18-4	Tetrachloroethene	100		100		70	130	0	25	
100-41-4	Ethylbenzene	105		103		70	130	2	25	
1330-20-7	m,p-Xylenes	102		106		70	130	4	25	
95-47-6	o-Xylene	103		106		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	93		112		70	130	18	25	
95-63-6	1,2,4-Trimethylbenzene	101		118		70	130	16	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 073025-MA1

Date: 7/30/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	93		119		70	130	25	25	
75-35-4	1,1-Dichloroethene	92		95		70	130	3	25	
75-09-2	Dichloromethane	95		90		70	130	6	25	
75-34-3	1,1-Dichloroethane	96		105		70	130	9	25	
67-66-3	Chloroform	102		111		70	130	8	25	
71-55-6	1,1,1-Trichloroethane	102		114		70	130	10	25	
107-06-2	1,2-Dichloroethane	99		109		70	130	10	25	
71-43-2	Benzene	98		104		70	130	6	25	
56-23-5	Carbon tetrachloride	103		98		70	130	5	25	
79-01-6	Trichloroethene	95		107		70	130	12	25	
108-88-3	Toluene	91		97		70	130	7	25	
106-93-4	1,2-Dibromoethane	91		115		70	130	24	25	
127-18-4	Tetrachloroethene	93		102		70	130	9	25	
100-41-4	Ethylbenzene	80		95		70	130	17	25	
1330-20-7	m,p-Xylenes	81		93		70	130	14	25	
95-47-6	o-Xylene	78		94		70	130	19	25	
108-67-8	1,3,5-Trimethylbenzene	86		86		70	130	1	25	
95-63-6	1,2,4-Trimethylbenzene	71		81		70	130	13	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 073125-MA1

Date: 7/31/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate	Duplicate	
		Recovery	Flag	Recovery	Flag	LCL	UCL		Limit	Flag
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	95		117		70	130	21	25	
75-35-4	1,1-Dichloroethene	97		108		70	130	11	25	
75-09-2	Dichloromethane	95		108		70	130	13	25	
75-34-3	1,1-Dichloroethane	101		108		70	130	7	25	
67-66-3	Chloroform	101		109		70	130	7	25	
71-55-6	1,1,1-Trichloroethane	102		104		70	130	3	25	
107-06-2	1,2-Dichloroethane	102		106		70	130	4	25	
71-43-2	Benzene	103		108		70	130	5	25	
56-23-5	Carbon tetrachloride	102		91		70	130	11	25	
79-01-6	Trichloroethene	104		106		70	130	1	25	
108-88-3	Toluene	106		100		70	130	5	25	
106-93-4	1,2-Dibromoethane	105		102		70	130	3	25	
127-18-4	Tetrachloroethene	99		105		70	130	5	25	
100-41-4	Ethylbenzene	109		107		70	130	2	25	
1330-20-7	m,p-Xylenes	110		105		70	130	4	25	
95-47-6	o-Xylene	107		107		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	128		107		70	130	18	25	
95-63-6	1,2,4-Trimethylbenzene	125		101		70	130	21	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 080125-MA1

Date: 8/1/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	116		91		70	130	23	25	
75-35-4	1,1-Dichloroethene	101		90		70	130	12	25	
75-09-2	Dichloromethane	105		100		70	130	5	25	
75-34-3	1,1-Dichloroethane	102		96		70	130	6	25	
67-66-3	Chloroform	103		98		70	130	5	25	
71-55-6	1,1,1-Trichloroethane	105		98		70	130	7	25	
107-06-2	1,2-Dichloroethane	104		103		70	130	1	25	
71-43-2	Benzene	104		95		70	130	9	25	
56-23-5	Carbon tetrachloride	88		111		70	130	24	25	
79-01-6	Trichloroethene	103		97		70	130	6	25	
108-88-3	Toluene	100		95		70	130	5	25	
106-93-4	1,2-Dibromoethane	107		114		70	130	6	25	
127-18-4	Tetrachloroethene	100		103		70	130	2	25	
100-41-4	Ethylbenzene	96		84		70	130	12	25	
1330-20-7	m,p-Xylenes	93		84		70	130	10	25	
95-47-6	o-Xylene	95		82		70	130	14	25	
108-67-8	1,3,5-Trimethylbenzene	122		98		70	130	22	25	
95-63-6	1,2,4-Trimethylbenzene	104		81		70	130	25	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 080425-MA1

Date: 8/4/2025

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
75-01-4	Vinyl chloride	91		99		70	130	8	25	
75-35-4	1,1-Dichloroethene	90		96		70	130	7	25	
75-09-2	Dichloromethane	89		96		70	130	8	25	
75-34-3	1,1-Dichloroethane	92		92		70	130	1	25	
67-66-3	Chloroform	96		97		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	98		96		70	130	2	25	
107-06-2	1,2-Dichloroethane	96		90		70	130	6	25	
71-43-2	Benzene	98		96		70	130	2	25	
56-23-5	Carbon tetrachloride	110		90		70	130	21	25	
79-01-6	Trichloroethene	99		98		70	130	1	25	
108-88-3	Toluene	95		92		70	130	3	25	
106-93-4	1,2-Dibromoethane	93		93		70	130	1	25	
127-18-4	Tetrachloroethene	98		99		70	130	1	25	
100-41-4	Ethylbenzene	86		88		70	130	2	25	
1330-20-7	m,p-Xylenes	84		83		70	130	1	25	
95-47-6	o-Xylene	83		82		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	94		89		70	130	5	25	
95-63-6	1,2,4-Trimethylbenzene	82		73		70	130	11	25	

LCS - Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less than the RL. See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater than one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.46 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 01

File Name: 2521001A.D

Date Sampled: 7/15/2025 Time: 08:37

Description: T-101

Date Analyzed: 7/22/2025 Time: 17:24

Canister: 735

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	10.98	2.18	2.62	14.39	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	5.46	3.15	20.20	10.31	J
107-02-8	Acrolein	0.33	1.00	1.21	0.77	2.30	2.78	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.90	3.97	4.76	23.56	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.68	0.98	2.95	2.02	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8			102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 01

File Name: 2521001A.D

Date Sampled: 7/15/2025

Time: 08:37

Description: T-101

Date Analyzed: 7/22/2025

Time: 17:24

Canister: 735

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	89.18	2.25	2.71	241.24	

Tentatively Identified Compounds**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 01

File Name: 2521001A.D

Date Sampled: 7/15/2025

Time: 08:37

Description: T-101

Date Analyzed: 7/22/2025

Time: 17:24

Canister: 735

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 02

File Name: 2521002A.D

Date Sampled: 7/15/2025

Time: 08:38

Description: T-102

Date Analyzed: 7/22/2025

Time: 18:03

Canister: 650

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	11.69	2.18	2.62	15.32	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.36	3.15	20.20	6.34	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.17	3.97	4.76	21.83	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.65	0.98	2.95	1.91	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				107	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 02

File Name: 2521002A.D

Date Sampled: 7/15/2025 Time: 08:38

Description: T-102

Date Analyzed: 7/22/2025 Time: 18:03

Canister: 650

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	142.32	2.25	2.71	385.00	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 02

File Name: 2521002A.D

Date Sampled: 7/15/2025

Time: 08:38

Description T-102

Date Analyzed: 7/22/2025

Time: 18:03

Canister: 650

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 03

File Name: 2521003A.D

Date Sampled: 7/15/2025

Time: 08:16

Description: T-103

Date Analyzed: 7/22/2025

Time: 18:40

Canister: 823

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	14.56	2.18	2.62	19.08	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.29	3.15	20.20	4.33	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.06	3.97	4.76	14.42	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.68	0.98	2.95	2.02	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				101	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 03

File Name: 2521003A.D

Descriptor T-103

Canister: 823

QC_Batch: 072225-MA1

Date Sampled: 7/15/2025

Time: 08:16

Date Analyzed: 7/22/2025

Time: 18:40

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	105.80	2.25	2.71	286.21	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 03

File Name: 2521003A.D

Date Sampled: 7/15/2025

Time: 08:16

Description T-103

Date Analyzed: 7/22/2025

Time: 18:40

Canister: 823

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported.
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present.
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown".
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 04

File Name: 2521004A.D

Date Sampled: 7/15/2025

Time: 08:05

Description: T-104

Date Analyzed: 7/22/2025

Time: 19:16

Canister: 881

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	23.65	0.57	1.44	40.76	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.07	2.18	2.62	2.71	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	16.92	3.97	4.76	40.26	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	3.09	1.01	10.12	9.37	J
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.02	0.98	2.95	3.02	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	1.37	0.50	2.95	4.04	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.87	3.73	5.33	5.97	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	5.51	2.51	3.14	20.78	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	0.74	1.56	3.90	3.46	J
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	1.59	1.45	3.62	6.92	
1330-20-7	m,p-Xylenes	0.33	0.83	6.32	1.45	3.62	27.50	
111-84-2	Nonane	0.33	0.83	1.90	1.75	4.38	9.97	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	3.34	1.45	3.62	14.52	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	0.95	3.28	26.25	4.69	J
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	0.71	3.28	14.77	3.49	J
124-18-5	Decane	0.67	2.00	2.15	3.89	11.66	12.56	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	0.74	3.28	14.77	3.63	J
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	11.42	3.66	10.99	62.78	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 04

File Name: 2521004A.D

Date Sampled: 7/15/2025

Time: 08:05

Description: T-104

Date Analyzed: 7/22/2025

Time: 19:16

Canister: 881

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	168.43	2.25	2.71	455.61	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 04

File Name: 2521004A.D

Description T-104

Canister: 881

QC_Batch: 072225-MA1

Date Sampled: 7/15/2025

Time: 08:05

Date Analyzed: 7/22/2025

Time: 19:16

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-Chloro-4-(trifluoromethyl)benzene	2.33	5.00	30.60	9.56	20.48	125.32
alpha-Pinene	2.33	5.00	52.03	9.56	20.48	213.10
3-Carene	2.33	5.00	10.93	9.56	20.48	44.78
D-Limonene	2.33	5.00	14.33	9.56	20.48	58.70

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 05

File Name: 2521005A.D

Date Sampled: 7/15/2025 Time: 10:05

Description: T-105

Date Analyzed: 7/22/2025 Time: 19:52

Canister: 756

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.02	2.18	2.62	2.65	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.16	3.97	4.76	7.51	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 05

File Name: 2521005A.D

Descriptor T-105

Canister: 756

QC_Batch: 072225-MA1

Date Sampled: 7/15/2025

Time: 10:05

Date Analyzed: 7/22/2025

Time: 19:52

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	185.22	2.25	2.71	501.04	

Tentatively Identified Compounds ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 05

File Name: 2521005A.D

Date Sampled: 7/15/2025

Time: 10:05

Description T-105

Date Analyzed: 7/22/2025

Time: 19:52

Canister: 756

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 06

File Name: 2521006A.D

Date Sampled: 7/15/2025

Time: 09:55

Description: T-106

Date Analyzed: 7/22/2025

Time: 20:29

Canister: 634

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.30	2.18	2.62	3.01	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.57	3.97	4.76	8.50	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				105	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 06

File Name: 2521006A.D

Descriptor T-106

Canister: 634

QC_Batch: 072225-MA1

Date Sampled: 7/15/2025

Time: 09:55

Date Analyzed: 7/22/2025

Time: 20:29

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	167.01	2.25	2.71	451.76	

Tentatively Identified Compounds ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 06

File Name: 2521006A.D

Date Sampled: 7/15/2025

Time: 09:55

Description T-106

Date Analyzed: 7/22/2025

Time: 20:29

Canister: 634

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 07

File Name: 2521007A.D

Date Sampled: 7/15/2025 Time: 10:06

Description: T-107

Date Analyzed: 7/22/2025 Time: 20:58

Canister: 802

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.36	2.18	2.62	24.06	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 07

File Name: 2521007A.D

Date Sampled: 7/15/2025

Time: 10:06

Description: T-107

Date Analyzed: 7/22/2025

Time: 20:58

Canister: 802

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	125.16	2.25	2.71	338.57	

Tentatively Identified Compound: ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 07

File Name: 2521007A.D

Date Sampled: 7/15/2025

Time: 10:06

Description T-107

Date Analyzed: 7/22/2025

Time: 20:58

Canister: 802

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 08

File Name: 2521008A.D

Date Sampled: 7/15/2025 Time: 09:55

Description: T-108

Date Analyzed: 7/23/2025 Time: 13:37

Canister: 553

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.60	2.18	2.62	11.28	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	11.90	3.15	20.20	22.47	
107-02-8	Acrolein	0.33	1.00	1.19	0.77	2.30	2.73	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.51	3.97	4.76	15.50	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.84	0.98	2.95	2.48	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
				% Rec.	LCL	
2037-26-5	Toluene-d8			110	70	130

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 08

File Name: 2521008A.D

Date Sampled: 7/15/2025

Time: 09:55

Description: T-108

Date Analyzed: 7/23/2025

Time: 13:37

Canister: 553

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	51.84	2.25	2.71	140.24	

Tentatively Identified Compounds

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NVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 08

File Name: 2521008A.D

Date Sampled: 7/15/2025

Time: 09:55

Description: T-108

Date Analyzed: 7/23/2025

Time: 13:37

Canister: 553

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compounc	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 09

File Name: 2521009A.D

Date Sampled: 7/15/2025

Time: 11:05

Description: T-109

Date Analyzed: 7/23/2025

Time: 14:19

Canister: 605

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 09

File Name: 2521009A.D

Date Sampled: 7/15/2025

Time: 11:05

Description: T-109

Date Analyzed: 7/23/2025

Time: 14:19

Canister: 605

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.23	2.25	2.71	446.95	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 09

File Name: 2521009A.D

Date Sampled: 7/15/2025

Time: 11:05

Description: T-109

Date Analyzed: 7/23/2025

Time: 14:19

Canister: 605

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 10

File Name: 2521010A.D

Date Sampled: 7/15/2025

Time: 10:55

Description: T-110

Date Analyzed: 7/23/2025

Time: 14:58

Canister: 738

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 10

File Name: 2521010A.D

Date Sampled: 7/15/2025

Time: 10:55

Description: T-110

Date Analyzed: 7/23/2025

Time: 14:58

Canister: 738

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	187.83	2.25	2.71	508.09	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 10

File Name: 2521010A.D

Date Sampled: 7/15/2025

Time: 10:55

Description: T-110

Date Analyzed: 7/23/2025

Time: 14:58

Canister: 738

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 11

File Name: 2521011A.D

Date Sampled: 7/15/2025

Time: 11:06

Description: T-111

Date Analyzed: 7/25/2025

Time: 14:59

Canister: 768

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.73	2.18	2.62	6.21	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.85	3.97	4.76	4.41	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
				% Rec.	LCL	
2037-26-5	Toluene-d8			98	70	130

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 11

File Name: 2521011A.D

Date Sampled: 7/15/2025 Time: 11:06

Description: T-111

Date Analyzed: 7/25/2025 Time: 14:59

Canister: 768

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	27.09	2.25	2.71	73.29	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 11

File Name: 2521011A.D

Date Sampled: 7/15/2025

Time: 11:06

Description: T-111

Date Analyzed: 7/25/2025

Time: 14:59

Canister: 768

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 12

File Name: 2521012A.D

Date Sampled: 7/15/2025

Time: 11:16

Description: T-112

Date Analyzed: 7/23/2025

Time: 16:43

Canister: 897

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	4.79	0.57	1.44	8.25	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.60	2.18	2.62	3.40	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	4.61	3.97	4.76	10.98	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.63	0.98	2.95	1.86	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 12

File Name: 2521012A.D

Date Sampled: 7/15/2025 Time: 11:16

Description: T-112

Date Analyzed: 7/23/2025 Time: 16:43

Canister: 897

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	144.82	2.25	2.71	391.74	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 12

File Name: 2521012A.D	Date Sampled: 7/15/2025	Time: 11:16
Description: T-112	Date Analyzed: 7/23/2025	Time: 16:43
Canister: 897	Can Dilution Factor: 1.00	
QC_Batch: 072325-MA1	Air Volume: 300.00	ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 13

File Name: 2521013A.D

Date Sampled: 7/15/2025

Time: 11:20

Description: T-113

Date Analyzed: 7/23/2025

Time: 17:26

Canister: 692

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	5.21	0.57	1.44	8.98	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.77	2.18	2.62	3.64	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.06	3.97	4.76	12.03	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.72	0.98	2.95	2.12	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				123	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 13

File Name: 2521013A.D

Descriptor T-113

Canister: 692

QC_Batch: 072325-MA1

Date Sampled: 7/15/2025

Time: 11:20

Date Analyzed: 7/23/2025

Time: 17:26

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.22	2.25	2.71	446.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 13

File Name: 2521013A.D

Date Sampled: 7/15/2025

Time: 11:20

Description T-113

Date Analyzed: 7/23/2025

Time: 17:26

Canister: 692

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compoun	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 14

File Name: 2521014A.D

Date Sampled: 7/15/2025

Time: 11:44

Description: T-114

Date Analyzed: 7/22/2025

Time: 14:55

Canister: 657

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				101	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 14

File Name: 2521014A.D

Date Sampled: 7/15/2025 Time: 11:44

Descriptor T-114

Date Analyzed: 7/22/2025 Time: 14:55

Canister: 657

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	191.32	2.25	2.71	517.53	

Tentatively Identified Compounds ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 14

File Name: 2521014A.D

Date Sampled: 7/15/2025

Time: 11:44

Description T-114

Date Analyzed: 7/22/2025

Time: 14:55

Canister: 657

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 15

File Name: 2521015A.D

Date Sampled: 7/16/2025

Time: 08:24

Description: T-201

Date Analyzed: 7/23/2025

Time: 18:00

Canister: 846

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.17	3.97	4.76	7.55	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				93	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 15

File Name: 2521015A.D

Date Sampled: 7/16/2025 Time: 08:24

Description: T-201

Date Analyzed: 7/23/2025 Time: 18:00

Canister: 846

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	171.05	2.25	2.71	462.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 15

File Name: 2521015A.D

Date Sampled: 7/16/2025

Time: 08:24

Description T-201

Date Analyzed: 7/23/2025

Time: 18:00

Canister: 846

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 16

File Name: 2521016A.D

Date Sampled: 7/16/2025 Time: 08:28

Description: T-202

Date Analyzed: 7/23/2025 Time: 18:36

Canister: 764

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	5.58	2.18	2.62	7.32	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.40	3.97	4.76	12.85	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.52	0.98	2.95	1.54	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 16

File Name: 2521016A.D

Date Sampled: 7/16/2025 Time: 08:28

Description: T-202

Date Analyzed: 7/23/2025 Time: 18:36

Canister: 764

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	155.51	2.25	2.71	420.66	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 16

File Name: 2521016A.D

Date Sampled: 7/16/2025

Time: 08:28

Description T-202

Date Analyzed: 7/23/2025

Time: 18:36

Canister: 764

Can Dilution Factor: 1.00

QC_Batch: 072325-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 17

File Name: 2521017A.D

Date Sampled: 7/16/2025

Time: 08:16

Description: T-203

Date Analyzed: 7/25/2025

Time: 15:39

Canister: 690

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.86	3.97	4.76	4.42	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.51	3.73	5.33	4.83	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
				% Rec.	LCL	
2037-26-5	Toluene-d8			100	70	130

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 17

File Name: 2521017A.D

Date Sampled: 7/16/2025

Time: 08:16

Description: T-203

Date Analyzed: 7/25/2025

Time: 15:39

Canister: 690

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	204.38	2.25	2.71	552.85	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 17

File Name: 2521017A.D

Date Sampled: 7/16/2025

Time: 08:16

Description T-203

Date Analyzed: 7/25/2025

Time: 15:39

Canister: 690

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 18

File Name: 2521018A.D

Date Sampled: 7/16/2025

Time: 08:21

Description: T-204

Date Analyzed: 7/25/2025

Time: 16:23

Canister: 531

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
		% Rec.		LCL	UCL	
2037-26-5	Toluene-d8	118		70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 18

File Name: 2521018A.D

Date Sampled: 7/16/2025 Time: 08:21

Description: T-204

Date Analyzed: 7/25/2025 Time: 16:23

Canister: 531

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	150.12	2.25	2.71	406.10	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 18

File Name: 2521018A.D

Date Sampled: 7/16/2025

Time: 08:21

Description T-204

Date Analyzed: 7/25/2025

Time: 16:23

Canister: 531

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compot	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 19

File Name: 2521019A.D

Description: T-205

Canister: 749

QC_Batch: 072525-MA1

Date Sampled: 7/16/2025

Time: 09:24

Date Analyzed: 7/25/2025

Time: 16:58

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.60	1.45	3.62	2.63	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				96	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 19

File Name: 2521019A.D

Date Sampled: 7/16/2025

Time: 09:24

Descriptor T-205

Date Analyzed: 7/25/2025

Time: 16:58

Canister: 749

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	184.98	2.25	2.71	500.38	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 19

File Name: 2521019A.D

Date Sampled: 7/16/2025

Time: 09:24

Description T-205

Date Analyzed: 7/25/2025

Time: 16:58

Canister: 749

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 20

File Name: 2521020A.D

Description: T-206

Canister: 779

QC_Batch: 072525-MA1

Date Sampled: 7/16/2025

Time: 09:32

Date Analyzed: 7/25/2025

Time: 17:33

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.23	3.97	4.76	5.30	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				129	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 20

File Name: 2521020A.D

Description T-206

Canister: 779

QC_Batch: 072525-MA1

Date Sampled: 7/16/2025

Time: 09:32

Date Analyzed: 7/25/2025

Time: 17:33

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	118.88	2.25	2.71	321.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210

Laboratory ID: 20

File Name: 2521020A.D

Date Sampled: 7/16/2025

Time: 09:32

Description T-206

Date Analyzed: 7/25/2025

Time: 17:33

Canister: 779

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Component	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 21

File Name: 2521021A.D

Description: T-207

Canister: 672

QC_Batch: 072425-MA1

Date Sampled: 7/16/2025

Time: 09:31

Date Analyzed: 7/24/2025

Time: 15:25

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.03	0.57	1.44	1.77	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.33	3.73	5.33	7.44	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	1.05	2.51	3.14	3.94	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.40	1.45	3.62	1.75	J
1330-20-7	m,p-Xylenes	0.33	0.83	1.20	1.45	3.62	5.21	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	0.45	1.45	3.62	1.95	J
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	2.80	3.66	10.99	15.38	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 21

File Name: 2521021A.D

Date Sampled: 7/16/2025 Time: 09:31

Description: T-207

Date Analyzed: 7/24/2025 Time: 15:25

Canister: 672

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	180.64	2.25	2.71	488.64	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210

Laboratory ID: 21

File Name: 2521021A.D

Date Sampled: 7/16/2025

Time: 09:31

Description T-207

Date Analyzed: 7/24/2025

Time: 15:25

Canister: 672

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Component	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 22

File Name: 2521022A.D

Date Sampled: 7/16/2025

Time: 09:40

Description: T-208

Date Analyzed: 7/24/2025

Time: 16:03

Canister: 677

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
			% Rec.	LCL	UCL	
2037-26-5	Toluene-d8		99	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 22

File Name: 2521022A.D

Description: T-208

Canister: 677

QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 Time: 09:40

Date Analyzed: 7/24/2025 Time: 16:03

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.43	2.25	2.71	496.19	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 22

File Name: 2521022A.D

Date Sampled: 7/16/2025

Time: 09:40

Description T-208

Date Analyzed: 7/24/2025

Time: 16:03

Canister: 677

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal S

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approxin
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 23

File Name: 2521023A.D

Date Sampled: 7/16/2025 Time: 11:05

Description: T-209

Date Analyzed: 7/24/2025 Time: 16:39

Canister: 509

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	4.34	3.73	5.33	13.88	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	0.85	2.51	3.14	3.19	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.45	1.45	3.62	1.96	J
1330-20-7	m,p-Xylenes	0.33	0.83	0.96	1.45	3.62	4.20	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	0.42	1.45	3.62	1.85	J
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.73	3.66	10.99	9.50	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 23

File Name: 2521023A.D

Descriptor: T-209

Canister: 509

QC_Batch: 072425-MA1

Date Sampled: 7/16/2025

Time: 11:05

Date Analyzed: 7/24/2025

Time: 16:39

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	188.25	2.25	2.71	509.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 23

File Name: 2521023A.D

Date Sampled: 7/16/2025

Time: 11:05

Description: T-209

Date Analyzed: 7/24/2025

Time: 16:39

Canister: 509

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
D-Limonene	2.33	5.00	8.53	9.56	20.48	34.95

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 24

File Name: 2521024A.D

Description: T-210

Canister: 712

QC_Batch: 072425-MA1

Date Sampled: 7/16/2025

Time: 10:54

Date Analyzed: 7/24/2025

Time: 17:14

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.63	0.57	1.44	1.08	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 24

File Name: 2521024A.D

Date Sampled: 7/16/2025 Time: 10:54

Description: T-210

Date Analyzed: 7/24/2025 Time: 17:14

Canister: 712

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	168.76	2.25	2.71	456.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 24

File Name: 2521024A.D

Date Sampled: 7/16/2025

Time: 10:54

Description T-210

Date Analyzed: 7/24/2025

Time: 17:14

Canister: 712

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 25

File Name: 2521025A.D

Date Sampled: 7/16/2025 Time: 10:59

Description: T-211

Date Analyzed: 7/24/2025 Time: 17:50

Canister: 654

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.74	0.57	1.44	1.28	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.81	3.97	4.76	4.31	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.29	3.73	5.33	4.12	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.47	1.45	3.62	2.03	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 25

File Name: 2521025A.D

Date Sampled: 7/16/2025 Time: 10:59

Description: T-211

Date Analyzed: 7/24/2025 Time: 17:50

Canister: 654

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	180.56	2.25	2.71	488.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210

Laboratory ID: 25

File Name: 2521025A.D

Date Sampled: 7/16/2025

Time: 10:59

Description: T-211

Date Analyzed: 7/24/2025

Time: 17:50

Canister: 654

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compot	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 26

File Name: 2521026A.D

Date Sampled: 7/16/2025 Time: 11:00

Description: T-212

Date Analyzed: 7/24/2025 Time: 18:26

Canister: 729

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.69	0.57	1.44	1.20	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.79	3.73	5.33	8.93	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	0.78	2.51	3.14	2.95	J
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.72	1.45	3.62	3.11	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.23	3.66	10.99	6.79	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 26

File Name: 2521026A.D

Date Sampled: 7/16/2025 Time: 11:00

Description: T-212

Date Analyzed: 7/24/2025 Time: 18:26

Canister: 729

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	194.47	2.25	2.71	526.07	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 26

File Name: 2521026A.D

Date Sampled: 7/16/2025

Time: 11:00

Description: T-212

Date Analyzed: 7/24/2025

Time: 18:26

Canister: 729

Can Dilution Factor: 1.00

QC_Batch 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 27

File Name: 2521027A.D

Date Sampled: 7/16/2025 Time: 11:06

Description: T-213

Date Analyzed: 7/24/2025 Time: 19:01

Canister: 503

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.57	0.57	1.44	0.99	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.77	3.73	5.33	8.86	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.34	1.45	3.62	1.46	J
1330-20-7	m,p-Xylenes	0.33	0.83	0.75	1.45	3.62	3.27	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.34	3.66	10.99	7.38	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
		% Rec.		LCL	UCL	
2037-26-5	Toluene-d8	96		70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 27

File Name: 2521027A.D

Date Sampled: 7/16/2025

Time: 11:06

Description T-213

Date Analyzed: 7/24/2025

Time: 19:01

Canister: 503

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	173.19	2.25	2.71	468.50	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 27

File Name: 2521027A.D

Date Sampled: 7/16/2025

Time: 11:06

Description T-213

Date Analyzed: 7/24/2025

Time: 19:01

Canister: 503

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 28

File Name: 2521028A.D

Date Sampled: 7/16/2025 Time: 11:30

Description: T-214

Date Analyzed: 7/22/2025 Time: 15:34

Canister: 754

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.95	3.15	20.20	3.68	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 28

File Name: 2521028A.D

Descriptor T-214

Canister: 754

QC_Batch: 072225-MA1

Date Sampled: 7/16/2025

Time: 11:30

Date Analyzed: 7/22/2025

Time: 15:34

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	174.68	2.25	2.71	472.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210

Laboratory ID: 28

File Name: 2521028A.D

Date Sampled: 7/16/2025

Time: 11:30

Descriptio T-214

Date Analyzed: 7/22/2025

Time: 15:34

Canister: 754

Can Dilution Factor: 1.00

QC_Batch 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 29

File Name: 2521029A.D

Description: T-301

Canister: 504

QC_Batch: 072425-MA1

Date Sampled: 7/17/2025

Time: 08:11

Date Analyzed: 7/24/2025

Time: 19:39

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.65	0.57	1.44	1.12	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.99	2.18	2.62	11.78	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.03	3.15	20.20	3.84	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	12.60	3.97	4.76	29.98	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	6.67	0.98	2.95	19.69	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	2.74	1.20	3.01	9.90	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	0.91	0.57	5.66	6.16	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	2.51	3.66	10.99	13.79	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
		% Rec.		LCL	UCL	
2037-26-5	Toluene-d8	93		70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 29

File Name: 2521029A.D

Date Sampled: 7/17/2025

Time: 08:11

Description: T-301

Date Analyzed: 7/24/2025

Time: 19:39

Canister: 504

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	111.21	2.25	2.71	300.83	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 29

File Name: 2521029A.D

Date Sampled: 7/17/2025

Time: 08:11

Description T-301

Date Analyzed: 7/24/2025

Time: 19:39

Canister: 504

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compou	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal S

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approxin
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 30

File Name: 2521030A.D

Description: T-302

Canister: 718

QC_Batch: 072425-MA1

Date Sampled: 7/17/2025

Time: 08:22

Date Analyzed: 7/24/2025

Time: 20:15

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.77	0.57	1.44	3.05	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.92	2.18	2.62	11.69	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.65	3.97	4.76	13.43	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	2.38	0.57	2.87	8.20	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 30

File Name: 2521030A.D

Date Sampled: 7/17/2025

Time: 08:22

Description: T-302

Date Analyzed: 7/24/2025

Time: 20:15

Canister: 718

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	204.94	2.25	2.71	554.38	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 30

File Name: 2521030A.D

Date Sampled: 7/17/2025

Time: 08:22

Description: T-302

Date Analyzed: 7/24/2025

Time: 20:15

Canister: 718

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
2-Methylbutane	2.33	5.00	8.83	9.56	20.48	36.18
Cyclopentane	2.33	5.00	9.80	9.56	20.48	40.14

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 31

File Name: 2521031A.D

Description: T-303

Canister: 800

QC_Batch: 072425-MA1

Date Sampled: 7/17/2025

Time: 08:25

Date Analyzed: 7/24/2025

Time: 20:49

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.77	0.57	1.44	1.32	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.56	2.18	2.62	24.32	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	2.50	0.77	2.30	5.73	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	7.16	3.97	4.76	17.03	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				98	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 31

File Name: 2521031A.D

Date Sampled: 7/17/2025

Time: 08:25

Description: T-303

Date Analyzed: 7/24/2025

Time: 20:49

Canister: 800

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	185.70	2.25	2.71	502.32	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 31

File Name: 2521031A.D

Date Sampled: 7/17/2025

Time: 08:25

Description T-303

Date Analyzed: 7/24/2025

Time: 20:49

Canister: 800

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported.
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present.
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown".
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 32

File Name: 2521032A.D

Description: T-304

Canister: 643

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 Time: 08:05

Date Analyzed: 7/25/2025 Time: 18:09

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.88	2.18	2.62	3.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	4.07	3.97	4.76	9.69	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.10	0.98	2.95	3.25	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	2.39	0.50	2.95	7.06	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				118	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS****SDG: 225210****Analytical Method: TO-15****Laboratory ID: 32****File Name:** 2521032A.D**Date Sampled:** 7/17/2025**Time:** 08:05**Description:** T-304**Date Analyzed:** 7/25/2025**Time:** 18:09**Canister:** 643**Can Dilution Factor:** 1.00**QC_Batch:** 072525-MA1**Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	162.49	2.25	2.71	439.54	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 32

File Name: 2521032A.D

Date Sampled: 7/17/2025

Time: 08:05

Description T-304

Date Analyzed: 7/25/2025

Time: 18:09

Canister: 643

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 33

File Name: 2521033A.D

Description: T-305

Canister: 700

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:42

Date Analyzed: 7/25/2025

Time: 18:44

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.88	0.57	1.44	1.52	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	62.13	2.18	2.62	81.42	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.10	3.15	20.20	5.85	J
107-02-8	Acrolein	0.33	1.00	4.17	0.77	2.30	9.57	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	28.15	3.97	4.76	66.99	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	8.74	0.98	2.95	25.81	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	1.07	1.37	10.94	4.38	J
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	5.92	3.66	10.99	32.55	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 33

File Name: 2521033A.D

Date Sampled: 7/17/2025

Time: 09:42

Description: T-305

Date Analyzed: 7/25/2025

Time: 18:44

Canister: 700

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	97.56	2.25	2.71	263.90	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 33

File Name: 2521033A.D

Description T-305

Canister: 700

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:42

Date Analyzed: 7/25/2025

Time: 18:44

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 34

File Name: 2521034A.D

Description: T-306

Canister: 860

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:40

Date Analyzed: 7/25/2025

Time: 19:20

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.14	0.57	1.44	1.96	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	29.91	2.18	2.62	39.20	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.88	3.15	20.20	3.56	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	32.09	3.97	4.76	76.35	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.28	3.73	5.33	4.08	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	1.44	1.56	3.90	6.72	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	6.08	1.45	3.62	26.45	
111-84-2	Nonane	0.33	0.83	3.48	1.75	4.38	18.28	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	2.92	1.45	3.62	12.68	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	0.69	3.28	14.77	3.39	J
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.72	8.75	1.75	19.55	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 34

File Name: 2521034A.D

Descriptor T-306

Canister: 860

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:40

Date Analyzed: 7/25/2025

Time: 19:20

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	46.50	2.25	2.71	125.80	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 34

File Name: 2521034A.D

Description: T-306

Canister: 860

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:40

Date Analyzed: 7/25/2025

Time: 19:20

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported.
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present.
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown".
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 35

File Name: 2521035A.D

Description: T-307

Canister: 760

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:36

Date Analyzed: 7/25/2025

Time: 19:55

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	4.65	0.57	1.44	8.01	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	28.66	2.18	2.62	37.56	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	3.14	0.77	2.30	7.22	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	14.24	3.97	4.76	33.89	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	2.06	0.98	2.95	6.09	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	1.80	1.20	3.01	6.49	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	3.49	0.57	2.87	12.05	
71-43-2	Benzene	1.17	1.67	1.73	3.73	5.33	5.53	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.36	8.75	1.75	17.64	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC		Limits	
2037-26-5	Toluene-d8			% Rec.	LCL	UCL		Flag
				101	70	130		

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 35

File Name: 2521035A.D

Description T-307

Canister: 760

QC_Batch: 072525-MA1

Date Sampled: 7/17/2025

Time: 09:36

Date Analyzed: 7/25/2025

Time: 19:55

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	129.91	2.25	2.71	351.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 35

File Name: 2521035A.D

Date Sampled: 7/17/2025

Time: 09:36

Description: T-307

Date Analyzed: 7/25/2025

Time: 19:55

Canister: 760

Can Dilution Factor: 1.00

QC_Batch: 072525-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported.
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present.
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown".
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 36

File Name: 2521036A.D

Description: T-308

Canister: 706

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 09:35

Date Analyzed: 7/30/2025

Time: 17:45

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.05	0.57	1.44	1.81	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	3.62	2.18	2.62	4.74	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.91	3.15	20.20	3.60	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 36

File Name: 2521036A.D

Date Sampled: 7/17/2025

Time: 09:35

Description: T-308

Date Analyzed: 7/30/2025

Time: 17:45

Canister: 706

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	125.70	2.25	2.71	340.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 36

File Name: 2521036A.D

Date Sampled: 7/17/2025

Time: 09:35

Description T-308

Date Analyzed: 7/30/2025

Time: 17:45

Canister: 706

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 37

File Name: 2521037A.D

Date Sampled: 7/17/2025

Time: 10:52

Description: T-309

Date Analyzed: 7/30/2025

Time: 18:20

Canister: 502

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.52	0.57	1.44	2.61	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.55	2.18	2.62	5.96	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	7.86	3.97	4.76	18.70	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.00	3.73	5.33	6.38	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	0.69	3.89	11.66	4.04	J
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				121	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 37

File Name: 2521037A.D

Description: T-309

Canister: 502

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:52

Date Analyzed: 7/30/2025

Time: 18:20

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	181.28	2.25	2.71	490.36	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 37

File Name: 2521037A.D

Date Sampled: 7/17/2025

Time: 10:52

Description T-309

Date Analyzed: 7/30/2025

Time: 18:20

Canister: 502

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard.

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported.
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present.
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown".
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 38

File Name: 2521038A.D

Description: T-310

Canister: 618

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:54

Date Analyzed: 7/30/2025

Time: 18:55

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.54	0.57	1.44	2.66	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	111.11	2.18	2.62	145.62	
74-87-3	Chloromethane	0.50	0.83	14.57	1.03	1.72	30.14	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	7.78	3.15	20.20	14.69	J
107-02-8	Acrolein	0.33	1.00	7.15	0.77	2.30	16.43	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	30.66	3.97	4.76	72.96	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	2.08	0.98	2.95	6.13	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.19	3.73	5.33	3.82	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
			% Rec.	LCL	UCL	
2037-26-5	Toluene-d8		103	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 38

File Name: 2521038A.D

Description: T-310

Canister: 618

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:54

Date Analyzed: 7/30/2025

Time: 18:55

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	140.02	2.25	2.71	378.76	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 38

File Name: 2521038A.D

Date Sampled: 7/17/2025

Time: 10:54

Description T-310

Date Analyzed: 7/30/2025

Time: 18:55

Canister: 618

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 39

File Name: 2521039A.D

Description: T-311

Canister: 182

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:46

Date Analyzed: 7/30/2025

Time: 19:31

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.50	0.57	1.44	2.59	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	59.20	2.18	2.62	77.59	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.63	3.15	20.20	6.86	J
107-02-8	Acrolein	0.33	1.00	3.72	0.77	2.30	8.56	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	16.07	3.97	4.76	38.24	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.93	0.98	2.95	2.75	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.07	3.73	5.33	6.63	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
2037-26-5	Toluene-d8				% Rec.	LCL	UCL	Flag
					105	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 39

File Name: 2521039A.D

Description T-311

Canister: 182

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:46

Date Analyzed: 7/30/2025

Time: 19:31

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	124.05	2.25	2.71	335.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 39

File Name: 2521039A.D

Date Sampled: 7/17/2025

Time: 10:46

Description T-311

Date Analyzed: 7/30/2025

Time: 19:31

Canister: 182

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 40

File Name: 2521040A.D

Date Sampled: 7/17/2025 Time: 10:43

Description: T-312

Date Analyzed: 8/4/2025 Time: 16:32

Canister: 545

Can Dilution Factor: 1.00

QC_Batch: 080425-MA1

Air Volume: 50 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	2.00	5.00	8.81	3.45	8.62	15.19	
75-71-8	Dichlorodifluoromethane	3.00	5.00	ND	14.85	24.76	ND	
67-56-1	Methanol	10.00	12.00	134.71	13.11	15.73	176.55	
74-87-3	Chloromethane	3.00	5.00	ND	6.20	10.34	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.00	ND	14.00	35.00	ND	
75-01-4	Vinyl chloride	1.01	5.00	ND	2.58	12.80	ND	
106-99-0	1,3-Butadiene	1.01	5.00	ND	2.23	11.08	ND	
74-83-9	Bromomethane	2.00	5.00	ND	7.77	19.43	ND	
75-00-3	Chloroethane	2.00	5.00	ND	5.28	13.21	ND	
64-17-5	Ethanol	10.00	64.20	607.19	18.88	121.21	1,146.40	
107-02-8	Acrolein	2.00	6.00	21.19	4.60	13.79	48.69	
75-69-4	Trichlorofluoromethane	2.00	5.00	ND	11.25	28.14	ND	
67-64-1	Acetone	10.00	12.00	1,174.28	23.79	28.55	2,794.17	
67-63-0	2-propanol (isopropylalcohol)	4.00	25.00	ND	9.85	61.53	ND	
75-65-0	t-Butyl alcohol	2.00	20.00	ND	6.07	60.70	ND	
4227-95-6	Methyl iodide	2.00	6.00	ND	11.70	35.11	ND	
75-35-4	1,1-Dichloroethene	1.00	5.00	ND	3.97	19.84	ND	
107-13-1	Acrylonitrile	4.00	6.00	ND	8.70	13.05	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	5.00	ND	7.67	38.37	ND	
107-05-1	Allyl chloride	1.00	20.00	ND	3.13	62.66	ND	
75-09-2	Methylene chloride	1.00	5.00	ND	3.48	17.39	ND	
75-15-0	Carbon disulfide	2.00	5.00	ND	6.23	15.58	ND	
156-60-5	trans-1,2-Dichloroethene	1.00	4.00	ND	3.97	15.87	ND	
1634-04-4	Methyl tert butyl ether	2.00	4.00	ND	7.22	14.43	ND	
107-12-0	Propionitrile	5.00	8.00	ND	11.28	18.05	ND	
75-34-3	1,1-Dichloroethane	1.00	5.00	ND	4.04	20.27	ND	
637-92-3	Ethyl tert butyl ether	2.00	5.00	ND	8.37	20.93	ND	
108-05-4	Vinyl acetate	1.00	20.00	ND	3.53	70.52	ND	
78-93-3	2-Butanone (MEK)	2.00	6.00	1,454.57	5.91	17.72	4,295.13	
108-20-3	Diisopropyl ether	2.00	12.00	ND	8.37	50.23	ND	
110-54-3	Hexane	2.00	5.00	ND	7.06	17.65	ND	
126-98-7	Methacrylonitrile	2.00	5.00	ND	5.50	13.74	ND	
141-78-6	Ethyl acetate	2.00	5.00	231.90	7.22	18.04	836.74	
74-97-5	Bromochloromethane	1.00	5.00	ND	5.30	26.50	ND	
96-33-3	Methyl acrylate	2.00	10.00	ND	7.05	35.26	ND	
109-99-9	Tetrahydrofuran	1.01	6.00	192.68	2.97	17.72	568.97	
78-83-1	Isobutyl alcohol	4.00	16.00	ND	12.14	48.56	ND	
156-59-2	cis-1,2-Dichloroethene	1.00	5.00	ND	3.97	19.84	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	1.00	5.00	ND	4.63	23.14	ND	
67-66-3	Chloroform	1.00	5.00	ND	4.91	24.45	ND	
71-55-6	1,1,1-Trichloroethane	1.00	5.00	ND	5.46	27.32	ND	
107-06-2	1,2-Dichloroethane	1.00	5.00	ND	4.05	20.27	ND	
563-58-6	1,1-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
110-82-7	Cyclohexane	1.00	5.00	ND	3.45	17.24	ND	
71-43-2	Benzene	7.00	10.00	8.66	22.39	31.99	27.70	J
56-23-5	Carbon tetrachloride	1.00	5.00	ND	6.30	31.49	ND	
994-05-8	t-Amyl methyl ether	2.00	10.00	ND	8.37	41.86	ND	
540-84-1	2,2,4-Trimethylpentane	1.00	5.00	ND	4.68	23.39	ND	
142-82-5	n-Heptane	2.00	5.00	ND	8.21	20.52	ND	
78-87-5	1,2-Dichloropropane	1.00	5.00	ND	4.63	23.14	ND	
123-91-1	1,4 Dioxane	2.00	10.00	ND	7.22	36.08	ND	
74-95-3	Dibromomethane	1.00	5.00	ND	7.12	35.60	ND	
79-01-6	Trichloroethene (TCE)	0.50	5.00	ND	2.69	26.91	ND	
75-27-4	Bromodichloromethane	1.00	5.00	ND	6.71	33.54	ND	
80-62-6	Methyl methacrylate	2.00	5.00	ND	8.20	20.50	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.00	16.00	ND	8.21	65.66	ND	
10061-01-5	cis-1,3-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
108-88-3	Toluene	4.00	5.00	13.25	15.09	18.86	49.98	
10061-02-6	trans-1,3-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
79-00-5	1,1,2-Trichloroethane	1.00	5.00	ND	5.46	27.32	ND	
97-63-2	Ethyl methacrylate	2.00	5.00	ND	9.35	23.39	ND	
591-78-6	2-Hexanone	2.00	16.00	ND	8.21	65.66	ND	
142-28-9	1,3-Dichloropropane	1.00	14.00	ND	4.63	64.79	ND	
111-65-9	Octane	2.00	5.00	14.92	9.35	23.39	69.77	
124-48-1	Dibromochloromethane	2.00	5.00	ND	17.06	42.65	ND	
106-93-4	1,2-Dibromoethane (EDB)	2.00	5.00	ND	15.39	38.48	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	5.00	ND	3.40	33.95	ND	
108-90-7	Chlorobenzene	2.00	5.00	ND	9.22	23.06	ND	
630-20-6	1,1,1,2-Tetrachloroethane	2.00	5.00	ND	13.74	34.36	ND	
100-41-4	Ethylbenzene	2.00	5.00	16.46	8.70	21.75	71.61	J
1330-20-7	m,p-Xylenes	2.00	5.00	41.91	8.70	21.75	182.30	
111-84-2	Nonane	2.00	5.00	158.90	10.51	26.27	834.96	
100-42-5	Styrene	3.00	5.00	ND	12.80	21.34	ND	
75-25-2	Bromoform	2.00	5.00	ND	20.70	51.75	ND	
95-47-6	o-Xylene	2.00	5.00	21.39	8.70	21.75	93.01	J
79-34-5	1,1,2,2-Tetrachloroethane	4.00	10.00	ND	27.49	68.72	ND	
96-18-4	1,2,3-Trichloropropane	4.00	12.00	ND	24.15	72.44	ND	
110-57-6	t-1,4-Dichloro-2-butene	4.00	12.00	ND	20.48	61.43	ND	
103-65-1	n-Propylbenzene	4.00	14.00	ND	19.69	68.92	ND	
98-82-8	Isopropylbenzene	4.00	14.00	ND	19.69	68.92	ND	
622-96-8	4-Ethyltoluene	4.00	32.00	16.93	19.69	157.53	83.36	
108-67-8	1,3,5-Trimethylbenzene	4.00	18.00	ND	19.69	88.61	ND	
124-18-5	Decane	4.00	12.00	243.77	23.31	69.93	1,420.64	
98-06-6	tert-butyl benzene	4.00	12.00	ND	21.98	65.95	ND	
95-63-6	1,2,4-Trimethylbenzene	4.00	18.00	19.87	19.69	88.61	97.82	
538-93-2	i-Butylbenzene	4.00	12.00	ND	21.98	65.95	ND	
135-98-8	sec-butylbenzene	4.00	14.00	ND	21.98	76.95	ND	
541-73-1	1,3-Dichlorobenzene	4.00	16.00	ND	24.08	96.33	ND	
99-87-6	Isopropyltoluene	4.00	12.00	353.09	21.98	65.95	1,940.64	
100-44-7	Benzyl chloride	4.00	10.00	ND	20.74	51.85	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	4.00	10.00	ND	24.08	60.20	ND	
104-51-8	n-Butylbenzene	4.00	12.00	ND	21.98	65.95	ND	
95-50-1	1,2-Dichlorobenzene	4.00	14.00	ND	24.08	84.29	ND	
96-12-8	1,2-Dibromo-3-chloropropane	6.00	14.00	ND	58.07	135.49	ND	
120-82-1	1,2,4-Trichlorobenzene	6.00	10.00	ND	44.58	74.29	ND	
91-20-3	Naphthalene	10.00	2.00	ND	52.50	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	6.00	10.00	ND	44.58	74.29	ND	
87-68-3	Hexachlorobutadiene	5.00	6.00	ND	53.41	64.09	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 40

File Name: 2521040A.D

Description: T-312

Canister: 545

QC_Batch: 080425-MA1

Date Sampled: 7/17/2025

Time: 10:43

Date Analyzed: 8/4/2025

Time: 16:32

Can Dilution Factor: 1.00

Air Volume: 50.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Methylnonane	14.00	30.00	131.80	57.34	122.86	539.79
3,6-Dimethyloctan	14.00	30.00	67.60	57.34	122.86	276.86
5-Methyldecane	14.00	30.00	61.60	57.34	122.86	252.28
3-Methyldecane	14.00	30.00	95.80	57.34	122.86	392.35
Undecane	14.00	30.00	139.80	57.34	122.86	572.55
Dodecane	14.00	30.00	38.00	57.34	122.86	155.63

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 41

File Name: 2521041A.D

Description: T-313

Canister: 661

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:48

Date Analyzed: 7/30/2025

Time: 20:35

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.58	0.57	1.44	2.72	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	6.01	2.18	2.62	7.87	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.21	3.15	20.20	4.18	J
107-02-8	Acrolein	0.33	1.00	1.47	0.77	2.30	3.37	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.66	3.97	4.76	25.36	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.28	3.73	5.33	4.10	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	0.43	1.75	4.38	2.28	J
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	1.68	3.89	11.66	9.82	J
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	13.93	3.66	10.99	76.57	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
2037-26-5	Toluene-d8				% Rec.	LCL	UCL	Flag
					100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 41

File Name: 2521041A.D

Description: T-313

Canister: 661

QC_Batch: 073025-MA1

Date Sampled: 7/17/2025

Time: 10:48

Date Analyzed: 7/30/2025

Time: 20:35

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	202.84	2.25	2.71	548.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 41

File Name: 2521041A.D

Date Sampled: 7/17/2025

Time: 10:48

Description T-313

Date Analyzed: 7/30/2025

Time: 20:35

Canister: 661

Can Dilution Factor: 1.00

QC_Batch: 073025-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Undecane	2.33	5.00	10.03	9.56	20.48	41.09

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 42

File Name: 2521042A.D

Description: T-314

Canister: 603

QC_Batch: 072225-MA1

Date Sampled: 7/17/2025 Time: 11:22

Date Analyzed: 7/22/2025 Time: 16:11

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				97	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 42

File Name: 2521042A.D

Description T-314

Canister: 603

QC_Batch: 072225-MA1

Date Sampled: 7/17/2025

Time: 11:22

Date Analyzed: 7/22/2025

Time: 16:11

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	195.27	2.25	2.71	528.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 42

File Name: 2521042A.D

Date Sampled: 7/17/2025

Time: 11:22

Description T-314

Date Analyzed: 7/22/2025

Time: 16:11

Canister: 603

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 43

File Name: 2521043A.D

Description: T-401

Canister: 882

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:06

Date Analyzed: 7/31/2025

Time: 13:12

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.94	3.97	4.76	9.37	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				102	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 43

File Name: 2521043A.D

Description: T-401

Canister: 882

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:06

Date Analyzed: 7/31/2025

Time: 13:12

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	120.12	2.25	2.71	324.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 43

File Name: 2521043A.D

Description T-401

Canister: 882

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:06

Date Analyzed: 7/31/2025

Time: 13:12

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 44

File Name: 2521044A.D

Description: T-402

Canister: 505

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:11

Date Analyzed: 7/31/2025

Time: 13:50

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.55	3.97	4.76	8.44	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 44

File Name: 2521044A.D

Date Sampled: 7/18/2025

Time: 08:11

Description: T-402

Date Analyzed: 7/31/2025

Time: 13:50

Canister: 505

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	141.03	2.25	2.71	381.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 44

File Name: 2521044A.D

Date Sampled: 7/18/2025

Time: 08:11

Description T-402

Date Analyzed: 7/31/2025

Time: 13:50

Canister: 505

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 45

File Name: 2521045A.D

Description: T-403

Canister: 647

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:13

Date Analyzed: 7/31/2025

Time: 14:30

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC		Limits	
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				90	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 45

File Name: 2521045A.D

Description: T-403

Canister: 647

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 08:13

Date Analyzed: 7/31/2025

Time: 14:30

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	195.62	2.25	2.71	529.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 45

File Name: 2521045A.D

Date Sampled: 7/18/2025

Time: 08:13

Description T-403

Date Analyzed: 7/31/2025

Time: 14:30

Canister: 647

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 46

File Name: 2521046A.D

Date Sampled: 7/18/2025

Time: 08:08

Description: T-404

Date Analyzed: 7/31/2025

Time: 15:10

Canister: 698

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	8.67	1.18	2.94	30.61	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 46

File Name: 2521046A.D

Date Sampled: 7/18/2025

Time: 08:08

Description: T-404

Date Analyzed: 7/31/2025

Time: 15:10

Canister: 698

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	93.95	2.25	2.71	254.14	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 46

File Name: 2521046A.D

Date Sampled: 7/18/2025

Time: 08:08

Description T-404

Date Analyzed: 7/31/2025

Time: 15:10

Canister: 698

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 47

File Name: 2521047A.D

Description: T-405

Canister: 673

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:15

Date Analyzed: 7/31/2025

Time: 16:20

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.40	0.57	1.44	2.41	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.19	3.73	5.33	3.80	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8			103	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 47

File Name: 2521047A.D

Description: T-405

Canister: 673

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:15

Date Analyzed: 7/31/2025

Time: 16:20

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	179.29	2.25	2.71	484.98	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 47

File Name: 2521047A.D

Description T-405

Canister: 673

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:15

Date Analyzed: 7/31/2025

Time: 16:20

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butanal	2.33	5.00	7.67	9.56	20.48	31.40
2-Butoxyethanol	2.33	5.00	7.57	9.56	20.48	30.99

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 48

File Name: 2521048A.D

Description: T-406

Canister: 549

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 Time: 09:04

Date Analyzed: 7/31/2025 Time: 16:56

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.22	3.73	5.33	3.92	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				151	70	130	Q

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 48

File Name: 2521048A.D

Description T-406

Canister: 549

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:04

Date Analyzed: 7/31/2025

Time: 16:56

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	144.49	2.25	2.71	390.87	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 48

File Name: 2521048A.D

Date Sampled: 7/18/2025

Time: 09:04

Description T-406

Date Analyzed: 7/31/2025

Time: 16:56

Canister: 549

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
2-Butoxyethanol	2.33	5.00	54.83	9.56	20.48	224.57

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 49

File Name: 2521049A.D

Description: T-407

Canister: 778

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:10

Date Analyzed: 7/31/2025

Time: 17:31

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.31	0.57	1.44	2.25	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.12	2.18	2.62	2.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.15	3.97	4.76	14.62	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				102	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 49

File Name: 2521049A.D

Date Sampled: 7/18/2025 Time: 09:10

Description: T-407

Date Analyzed: 7/31/2025 Time: 17:31

Canister: 778

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	198.40	2.25	2.71	536.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 49

File Name: 2521049A.D

Date Sampled: 7/18/2025

Time: 09:10

Description T-407

Date Analyzed: 7/31/2025

Time: 17:31

Canister: 778

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
2-Butoxyethanol	2.33	5.00	29.30	9.56	20.48	120.00

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 50

File Name: 2521050A.D

Description: T-408

Canister: 837

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 Time: 09:13

Date Analyzed: 7/31/2025 Time: 18:07

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.15	0.57	1.44	1.99	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.32	0.77	2.30	3.04	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.36	3.97	4.76	15.12	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 50

File Name: 2521050A.D

Description: T-408

Canister: 837

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:13

Date Analyzed: 7/31/2025

Time: 18:07

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	170.97	2.25	2.71	462.47	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 50

File Name: 2521050A.D

Date Sampled: 7/18/2025

Time: 09:13

Description T-408

Date Analyzed: 7/31/2025

Time: 18:07

Canister: 837

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	16.50	9.56	20.48	67.58

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 51

File Name: 2521051A.D

Description: T-409

Canister: 766

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:16

Date Analyzed: 7/31/2025

Time: 18:43

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.22	0.77	2.30	2.81	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.65	3.97	4.76	15.83	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
			% Rec.	LCL	UCL	
2037-26-5	Toluene-d8		103	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 51

File Name: 2521051A.D

Date Sampled: 7/18/2025

Time: 09:16

Description: T-409

Date Analyzed: 7/31/2025

Time: 18:43

Canister: 766

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	175.25	2.25	2.71	474.06	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 51

File Name: 2521051A.D

Description T-409

Canister: 766

QC_Batch: 073125-MA1

Date Sampled: 7/18/2025

Time: 09:16

Date Analyzed: 7/31/2025

Time: 18:43

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	18.60	9.56	20.48	76.18

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 52

File Name: 2521052A.D

Description: T-410

Canister: 701

QC_Batch: 072225-MA1

Date Sampled: 7/18/2025

Time: 09:42

Date Analyzed: 7/22/2025

Time: 16:48

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				97	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 52

File Name: 2521052A.D

Date Sampled: 7/18/2025

Time: 09:42

Description: T-410

Date Analyzed: 7/22/2025

Time: 16:48

Canister: 701

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	204.66	2.25	2.71	553.63	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 52

File Name: 2521052A.D

Date Sampled: 7/18/2025

Time: 09:42

Description T-410

Date Analyzed: 7/22/2025

Time: 16:48

Canister: 701

Can Dilution Factor: 1.00

QC_Batch: 072225-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 53

File Name: 2521053A.D

Description: T-501

Canister: 638

QC_Batch: 073125-MA1

Date Sampled: 7/22/2025

Time: 10:17

Date Analyzed: 7/31/2025

Time: 19:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	4.76	8.75	1.75	24.99	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC		Limits	
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 53

File Name: 2521053A.D

Date Sampled: 7/22/2025

Time: 10:17

Description: T-501

Date Analyzed: 7/31/2025

Time: 19:19

Canister: 638

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.14	2.25	2.71	495.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 53

File Name: 2521053A.D

Date Sampled: 7/22/2025

Time: 10:17

Description T-501

Date Analyzed: 7/31/2025

Time: 19:19

Canister: 638

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
2-Butoxyethanol	2.33	5.00	9.17	9.56	20.48	37.54

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 54

File Name: 2521054A.D

Description: T-502

Canister: 417

QC_Batch: 073125-MA1

Date Sampled: 7/22/2025

Time: 10:22

Date Analyzed: 7/31/2025

Time: 19:49

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.95	2.18	2.62	2.56	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.96	3.97	4.76	9.43	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	2.02	8.75	1.75	10.58	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 54

File Name: 2521054A.D

Description: T-502

Canister: 417

QC_Batch: 073125-MA1

Date Sampled: 7/22/2025

Time: 10:22

Date Analyzed: 7/31/2025

Time: 19:49

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	171.00	2.25	2.71	462.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 54

File Name: 2521054A.D

Date Sampled: 7/22/2025

Time: 10:22

Description T-502

Date Analyzed: 7/31/2025

Time: 19:49

Canister: 417

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
1-Butanol	2.33	5.00	10.07	9.56	20.48	41.23

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 55

File Name: 2521055A.D

Description: T-503

Canister: 792

QC_Batch: 073125-MA1

Date Sampled: 7/22/2025

Time: 10:15

Date Analyzed: 7/31/2025

Time: 20:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.94	3.97	4.76	9.37	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.71	3.73	5.33	5.48	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.56	8.75	1.75	18.68	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				127	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 55

File Name: 2521055A.D

Description: T-503

Canister: 792

QC_Batch: 073125-MA1

Date Sampled: 7/22/2025

Time: 10:15

Date Analyzed: 7/31/2025

Time: 20:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	184.64	2.25	2.71	499.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 55

File Name: 2521055A.D

Date Sampled: 7/22/2025

Time: 10:15

Description T-503

Date Analyzed: 7/31/2025

Time: 20:19

Canister: 792

Can Dilution Factor: 1.00

QC_Batch: 073125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
2-Butoxyethanol	2.33	5.00	15.37	9.56	20.48	62.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 56

File Name: 2521056A.D

Description: T-504

Canister: 552

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 10:26

Date Analyzed: 8/1/2025

Time: 13:30

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.36	3.97	4.76	5.61	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	0.68	2.13	3.56	2.92	J
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 56

File Name: 2521056A.D

Date Sampled: 7/22/2025

Time: 10:26

Description: T-504

Date Analyzed: 8/1/2025

Time: 13:30

Canister: 552

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.60	2.25	2.71	447.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 56

File Name: 2521056A.D

Date Sampled: 7/22/2025

Time: 10:26

Description T-504

Date Analyzed: 8/1/2025

Time: 13:30

Canister: 552

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 57

File Name: 2521057A.D

Description: T-505

Canister: 704

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 11:26

Date Analyzed: 8/1/2025

Time: 14:09

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
2037-26-5	Toluene-d8			% Rec.	LCL	UCL		Flag
				110	70	130		

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 57

File Name: 2521057A.D

Date Sampled: 7/22/2025

Time: 11:26

Description: T-505

Date Analyzed: 8/1/2025

Time: 14:09

Canister: 704

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.00	2.25	2.71	446.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 57

File Name: 2521057A.D

Date Sampled: 7/22/2025

Time: 11:26

Description T-505

Date Analyzed: 8/1/2025

Time: 14:09

Canister: 704

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 58

File Name: 2521058A.D

Description: T-506

Canister: 895

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 Time: 11:21

Date Analyzed: 8/1/2025 Time: 15:04

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.82	2.18	2.62	2.39	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 58

File Name: 2521058A.D

Description: T-506

Canister: 895

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 11:21

Date Analyzed: 8/1/2025

Time: 15:04

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	176.45	2.25	2.71	477.32	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 58

File Name: 2521058A.D

Date Sampled: 7/22/2025

Time: 11:21

Description T-506

Date Analyzed: 8/1/2025

Time: 15:04

Canister: 895

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 59

File Name: 2521059A.D

Description: T-507

Canister: 856

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 11:24

Date Analyzed: 8/1/2025

Time: 16:17

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.09	0.57	1.44	1.89	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	1.23	1.04	2.60	3.83	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.69	0.98	2.95	2.04	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 59

File Name: 2521059A.D

Date Sampled: 7/22/2025 Time: 11:24

Description: T-507

Date Analyzed: 8/1/2025 Time: 16:17

Canister: 856

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	157.99	2.25	2.71	427.37	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 59

File Name: 2521059A.D

Date Sampled: 7/22/2025

Time: 11:24

Description T-507

Date Analyzed: 8/1/2025

Time: 16:17

Canister: 856

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 60

File Name: 2521060A.D

Description: T-508

Canister: 877

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 11:21

Date Analyzed: 8/1/2025

Time: 16:52

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.97	0.57	1.44	1.67	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.88	3.97	4.76	9.24	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	1.75	0.45	4.48	9.40	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	0.28	0.57	5.66	1.90	J
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
2037-26-5	Toluene-d8				% Rec.	LCL	UCL	Flag
					99	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

SDG: 225210

Analytical Method: TO-15

Laboratory ID: 60

File Name: 2521060A.D

Date Sampled: 7/22/2025

Time: 11:21

Description: T-508

Date Analyzed: 8/1/2025

Time: 16:52

Canister: 877

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	132.95	2.25	2.71	359.65	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 60

File Name: 2521060A.D

Date Sampled: 7/22/2025

Time: 11:21

Description T-508

Date Analyzed: 8/1/2025

Time: 16:52

Canister: 877

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 61

File Name: 2521061A.D

Description: T-509

Canister: 640

QC_Batch: 080125-MA1

Date Sampled: 7/22/2025

Time: 11:27

Date Analyzed: 8/1/2025

Time: 17:28

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.22	0.57	1.44	2.11	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.81	2.18	2.62	2.38	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.17	3.97	4.76	5.15	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				102	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 61

File Name: 2521061A.D

Date Sampled: 7/22/2025 Time: 11:27

Description: T-509

Date Analyzed: 8/1/2025 Time: 17:28

Canister: 640

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	187.14	2.25	2.71	506.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 61

File Name: 2521061A.D

Date Sampled: 7/22/2025

Time: 11:27

Description T-509

Date Analyzed: 8/1/2025

Time: 17:28

Canister: 640

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 62

File Name: 2521062A.D

Description: T-510

Canister: 688

QC_Batch: 072425-MA1

Date Sampled: 7/22/2025

Time: 11:48

Date Analyzed: 7/24/2025

Time: 13:44

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 62

File Name: 2521062A.D

Description: T-510

Canister: 688

QC_Batch: 072425-MA1

Date Sampled: 7/22/2025

Time: 11:48

Date Analyzed: 7/24/2025

Time: 13:44

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.99	2.25	2.71	497.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 62

File Name: 2521062A.D

Date Sampled: 7/22/2025

Time: 11:48

Description T-510

Date Analyzed: 7/24/2025

Time: 13:44

Canister: 688

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 63

File Name: 2521063A.D

Description: T-601

Canister: 506

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:50

Date Analyzed: 8/1/2025

Time: 18:04

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	23.12	2.18	2.62	30.30	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.19	0.77	2.30	2.74	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.38	3.97	4.76	22.33	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.87	0.98	2.95	2.56	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.21	3.73	5.33	3.86	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

Surrogate Recovery				QC	Limits	Flag
			% Rec.	LCL	UCL	
2037-26-5	Toluene-d8		127	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 63

File Name: 2521063A.D

Description: T-601

Canister: 506

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:50

Date Analyzed: 8/1/2025

Time: 18:04

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	159.22	2.25	2.71	430.71	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 63

File Name: 2521063A.D

Date Sampled: 7/23/2025

Time: 07:50

Description T-601

Date Analyzed: 8/1/2025

Time: 18:04

Canister: 506

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 64

File Name: 2521064A.D

Description: T-602

Canister: 642

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:55

Date Analyzed: 8/1/2025

Time: 18:39

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.38	0.57	1.44	2.39	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	32.64	2.18	2.62	42.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	13.75	3.97	4.76	32.72	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.28	0.98	2.95	3.77	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				127	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 64

File Name: 2521064A.D

Description: T-602

Canister: 642

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:55

Date Analyzed: 8/1/2025

Time: 18:39

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	170.34	2.25	2.71	460.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 64

File Name: 2521064A.D

Date Sampled: 7/23/2025

Time: 07:55

Description T-602

Date Analyzed: 8/1/2025

Time: 18:39

Canister: 642

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
Camphor	2.33	5.00	7.30	9.56	20.48	29.90

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 65

File Name: 2521065A.D

Description: T-603

Canister: 990

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:49

Date Analyzed: 8/1/2025

Time: 19:14

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.45	0.57	1.44	2.50	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	17.47	2.18	2.62	22.89	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.31	0.77	2.30	3.02	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	29.35	3.97	4.76	69.85	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	7.14	0.98	2.95	21.09	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	2.12	3.89	11.66	12.34	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.56	3.66	10.99	8.58	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	J

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 65

File Name: 2521065A.D

Description: T-603

Canister: 990

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:49

Date Analyzed: 8/1/2025

Time: 19:14

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	136.41	2.25	2.71	369.00	

Tentatively Identified Compounds**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 65

File Name: 2521065A.D

Description T-603

Canister: 990

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:49

Date Analyzed: 8/1/2025

Time: 19:14

Can Dilution Factor: 1.00

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Undecane	2.33	5.00	15.70	9.56	20.48	64.30

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 66

File Name: 2521066A.D

Description: T-604

Canister: 858

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:56

Date Analyzed: 8/1/2025

Time: 19:49

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.93	0.57	1.44	1.60	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.10	2.18	2.62	23.72	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.06	0.77	2.30	2.43	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	12.63	3.97	4.76	30.05	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.19	0.98	2.95	3.52	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				106	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 66

File Name: 2521066A.D

Description: T-604

Canister: 858

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 07:56

Date Analyzed: 8/1/2025

Time: 19:49

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	186.44	2.25	2.71	504.34	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 66

File Name: 2521066A.D

Date Sampled: 7/23/2025

Time: 07:56

Description T-604

Date Analyzed: 8/1/2025

Time: 19:49

Canister: 858

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 67

File Name: 2521067A.D

Description: T-605

Canister: 847

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 Time: 09:03

Date Analyzed: 8/1/2025 Time: 20:25

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.80	0.57	1.44	3.11	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	15.94	2.18	2.62	20.89	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.82	0.77	2.30	4.19	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.80	3.97	4.76	25.71	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.95	3.73	5.33	6.24	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				125	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 67

File Name: 2521067A.D

Description: T-605

Canister: 847

QC_Batch: 080125-MA1

Date Sampled: 7/23/2025

Time: 09:03

Date Analyzed: 8/1/2025

Time: 20:25

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	87.97	2.25	2.71	237.97	

Tentatively Identified Compounds

ENVIRONMENTAL

Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 67

File Name: 2521067A.D

Date Sampled: 7/23/2025

Time: 09:03

Description T-605

Date Analyzed: 8/1/2025

Time: 20:25

Canister: 847

Can Dilution Factor: 1.00

QC_Batch: 080125-MA1

Air Volume: 300.00 ml

	MDL	RL	MDL	RL	Amount
TIC Compound	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 68

File Name: 2521068A.D

Description: T-606

Canister: 803

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:06

Date Analyzed: 8/4/2025

Time: 14:02

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	5.19	2.18	2.62	6.80	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.72	3.73	5.33	8.69	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
2037-26-5	Toluene-d8				% Rec.	LCL	UCL	Flag
					103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 68

File Name: 2521068A.D

Description T-606

Canister: 803

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:06

Date Analyzed: 8/4/2025

Time: 14:02

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	169.31	2.25	2.71	457.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 68

File Name: 2521068A.D

Date Sampled: 7/23/2025

Time: 09:06

Description T-606

Date Analyzed: 8/4/2025

Time: 14:02

Canister: 803

Can Dilution Factor: 1.00

QC_Batch: 080425-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 69

File Name: 2521069A.D

Description: T-607

Canister: 899

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:08

Date Analyzed: 8/4/2025

Time: 14:40

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	3.59	0.57	1.44	6.19	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	21.70	2.18	2.62	28.44	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	0.77	0.57	2.87	2.65	
71-43-2	Benzene	1.17	1.67	1.85	3.73	5.33	5.92	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC		Limits	
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				105	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 69

File Name: 2521069A.D

Description: T-607

Canister: 899

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:08

Date Analyzed: 8/4/2025

Time: 14:40

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	94.77	2.25	2.71	256.37	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 69

File Name: 2521069A.D

Date Sampled: 7/23/2025

Time: 09:08

Description T-607

Date Analyzed: 8/4/2025

Time: 14:40

Canister: 899

Can Dilution Factor: 1.00

QC_Batch: 080425-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 70

File Name: 2521070A.D

Description: T-608

Canister: 730

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 08:50

Date Analyzed: 8/4/2025

Time: 15:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.79	0.57	1.44	3.08	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	16.21	2.18	2.62	21.25	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.19	3.15	20.20	4.14	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.36	3.97	4.76	22.28	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.50	0.98	2.95	1.47	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	3.42	0.57	2.87	11.81	
71-43-2	Benzene	1.17	1.67	1.49	3.73	5.33	4.77	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC		Limits	Flag
					% Rec.		LCL	
2037-26-5	Toluene-d8				100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 70

File Name: 2521070A.D

Descriptor T-608

Canister: 730

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 08:50

Date Analyzed: 8/4/2025

Time: 15:19

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	77.61	2.25	2.71	209.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 70

File Name: 2521070A.D

Date Sampled: 7/23/2025

Time: 08:50

Description T-608

Date Analyzed: 8/4/2025

Time: 15:19

Canister: 730

Can Dilution Factor: 1.00

QC_Batch: 080425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 71

File Name: 2521071A.D

Description: T-609

Canister: 675

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:03

Date Analyzed: 8/4/2025

Time: 15:57

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	2.14	0.57	1.44	3.68	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	19.55	2.18	2.62	25.62	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.88	3.15	20.20	7.32	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.90	3.97	4.76	25.95	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.68	0.98	2.95	2.00	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	4.27	0.57	2.87	14.72	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					QC	Limits		
					% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				103	70	130	

ANALYTICAL REPORT**ENVIRONMENTAL**
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 71

File Name: 2521071A.D

Description: T-609

Canister: 675

QC_Batch: 080425-MA1

Date Sampled: 7/23/2025

Time: 09:03

Date Analyzed: 8/4/2025

Time: 15:57

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	84.44	2.25	2.71	228.41	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 71

File Name: 2521071A.D

Date Sampled: 7/23/2025

Time: 09:03

Description T-609

Date Analyzed: 8/4/2025

Time: 15:57

Canister: 675

Can Dilution Factor: 1.00

QC_Batch: 080425-MA1

Air Volume: 300.00 ml

	MDL	RL	Amount	MDL	RL	Amount
TIC Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 72

File Name: 2521072A.D

Description: T-610

Canister: 753

QC_Batch: 072425-MA1

Date Sampled: 7/23/2025

Time: 09:31

Date Analyzed: 7/24/2025

Time: 14:27

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	ND	8.75	1.75	ND	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	
Surrogate Recovery					% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8				99	70	130	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**EPA Method TO-15 Modified Full Scan GC/MS**

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 72

File Name: 2521072A.D

Description T-610

Canister: 753

QC_Batch: 072425-MA1

Date Sampled: 7/23/2025

Time: 09:31

Date Analyzed: 7/24/2025

Time: 14:27

Can Dilution Factor: 1.00

Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.10	2.25	2.71	495.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210

Laboratory ID: 72

File Name: 2521072A.D

Date Sampled: 7/23/2025

Time: 09:31

Description T-610

Date Analyzed: 7/24/2025

Time: 14:27

Canister: 753

Can Dilution Factor: 1.00

QC_Batch: 072425-MA1

Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.33	5.00	ND	9.56	20.48	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

- 1) The identity of the compound is determined by a match to a computer library.
- 2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
- 3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
- 4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
- 5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
- 6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

Analytical Report

Project Name:

Chiquita Canyon - Permanent Gases

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

Prepared For:

C.E. Schmidt

19200 Live Oak Road

Red Bluff

CA 96080

Project Number: 17807

Sample Event Date: 7/15,7/16,7/17,7/

Received Date: 7/18/2025

Report Date: 8/11/2025

Project Number: ASTM D1945 Permanent Gases

PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is a unique identifier for the sample.

This Report Contains:

Laboratory Work Order

Project Sample Media

Laboratory Case Narrative and Chain of Custody

Method Description (when applicable)

Quality Control Reports

Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 225210

Project Number: 17807

Client: Chuck Schmidt

Received: 7/18/2025

C.E. Schmidt

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	225210 1	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-101	225210 1	ASTM D3416 Low Level Methane	7/15/2025
T-101	225210 1	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-101	225210 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-101	225210 1	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-102	225210 2	ASTM D3416 Low Level Methane	7/15/2025
T-102	225210 2	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-102	225210 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	ASTM D1945 Hydrogen	7/15/2025
T-103	225210 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-103	225210 3	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-103	225210 3	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	ASTM D1945 Hydrogen	7/15/2025
T-104	225210 4	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-104	225210 4	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-104	225210 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-105	225210 5	ASTM D1945 Hydrogen	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	225210 5	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-105	225210 5	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-106	225210 6	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-106	225210 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-106	225210 6	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-107	225210 7	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-107	225210 7	ASTM D3416 Low Level Methane	7/15/2025
T-107	225210 7	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-108	225210 8	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	ASTM D3416 Low Level Methane	7/15/2025
T-108	225210 8	ASTM D1945 Hydrogen	7/15/2025
T-108	225210 8	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D1945 Hydrogen	7/15/2025
T-109	225210 9	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D3416 Low Level Methane	7/15/2025
T-109	225210 9	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-109	225210 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-110	225210 10	ASTM D1945 Hydrogen	7/15/2025
T-110	225210 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-110	225210 10	ASTM D3416 Low Level Methane	7/15/2025
T-111	225210 11	ASTM D1945 Hydrogen	7/15/2025
T-111	225210 11	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-111	225210 11	ASTM D3416 Low Level Methane	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	225210 17	ASTM D1945 Hydrogen	7/16/2025
T-203	225210 17	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	ASTM D1945 Hydrogen	7/16/2025
T-204	225210 18	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-204	225210 18	ASTM D3416 Low Level Methane	7/16/2025
T-204	225210 18	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-205	225210 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	ASTM D3416 Low Level Methane	7/16/2025
T-205	225210 19	ASTM D1945 Hydrogen	7/16/2025
T-205	225210 19	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D1945 Hydrogen	7/16/2025
T-206	225210 20	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D3416 Low Level Methane	7/16/2025
T-206	225210 20	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-206	225210 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-207	225210 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	ASTM D3416 Low Level Methane	7/16/2025
T-207	225210 21	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-207	225210 21	ASTM D1945 Hydrogen	7/16/2025
T-208	225210 22	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-208	225210 22	ASTM D3416 Low Level Methane	7/16/2025
T-208	225210 22	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-208	225210 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-208	225210 22	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-209	225210 23	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	ASTM D1945 Permanent Gas Analysis	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	225210 23	ASTM D3416 Low Level Methane	7/16/2025
T-209	225210 23	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-210	225210 24	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	ASTM D1945 Hydrogen	7/16/2025
T-210	225210 24	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-210	225210 24	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	ASTM D1945 Hydrogen	7/16/2025
T-211	225210 25	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-211	225210 25	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-211	225210 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-212	225210 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D3416 Low Level Methane	7/16/2025
T-212	225210 26	ASTM D1945 Hydrogen	7/16/2025
T-212	225210 26	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	ASTM D1945 Hydrogen	7/16/2025
T-213	225210 27	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-213	225210 27	ASTM D3416 Low Level Methane	7/16/2025
T-213	225210 27	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	ASTM D1945 Hydrogen	7/16/2025
T-214	225210 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-214	225210 28	ASTM D3416 Low Level Methane	7/16/2025
T-214	225210 28	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-301	225210 29	ASTM D1945 Hydrogen	7/17/2025
T-301	225210 29	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-301	225210 29	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	225210 29	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-301	225210 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-302	225210 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D3416 Low Level Methane	7/17/2025
T-302	225210 30	ASTM D1945 Hydrogen	7/17/2025
T-302	225210 30	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	ASTM D1945 Hydrogen	7/17/2025
T-303	225210 31	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-303	225210 31	ASTM D3416 Low Level Methane	7/17/2025
T-303	225210 31	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-304	225210 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-304	225210 32	ASTM D1945 Hydrogen	7/17/2025
T-304	225210 32	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	ASTM D1945 Hydrogen	7/17/2025
T-305	225210 33	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-305	225210 33	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-305	225210 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-306	225210 34	ASTM D3416 Low Level Methane	7/17/2025
T-306	225210 34	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-306	225210 34	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-306	225210 34	ASTM D1945 Hydrogen	7/17/2025
T-306	225210 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-307	225210 35	ASTM D1945 Hydrogen	7/17/2025
T-307	225210 35	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-307	225210 35	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	225210 35	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-307	225210 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-308	225210 36	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-308	225210 36	ASTM D1945 Hydrogen	7/17/2025
T-308	225210 36	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-308	225210 36	ASTM D3416 Low Level Methane	7/17/2025
T-308	225210 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-309	225210 37	ASTM D3416 Low Level Methane	7/17/2025
T-309	225210 37	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-309	225210 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-310	225210 38	ASTM D3416 Low Level Methane	7/17/2025
T-310	225210 38	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-310	225210 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	ASTM D1945 Hydrogen	7/17/2025
T-311	225210 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-311	225210 39	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-311	225210 39	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	ASTM D1945 Hydrogen	7/17/2025
T-312	225210 40	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-312	225210 40	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-312	225210 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-313	225210 41	ASTM D1945 Permanent Gas Analysis	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-501	225210 53	ASTM D1945 Hydrogen	7/22/2025
T-501	225210 53	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-502	225210 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-502	225210 54	ASTM D1945 Hydrogen	7/22/2025
T-502	225210 54	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-502	225210 54	ASTM D3416 Low Level Methane	7/22/2025
T-502	225210 54	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-503	225210 55	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	ASTM D1945 Hydrogen	7/22/2025
T-503	225210 55	ASTM D3416 Low Level Methane	7/22/2025
T-503	225210 55	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D1945 Hydrogen	7/22/2025
T-504	225210 56	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D3416 Low Level Methane	7/22/2025
T-504	225210 56	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-504	225210 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-505	225210 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	ASTM D3416 Low Level Methane	7/22/2025
T-505	225210 57	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-505	225210 57	ASTM D1945 Hydrogen	7/22/2025
T-506	225210 58	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-506	225210 58	ASTM D3416 Low Level Methane	7/22/2025
T-506	225210 58	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-506	225210 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-506	225210 58	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-507	225210 59	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	ASTM D1945 Permanent Gas Analysis	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-507	225210 59	ASTM D3416 Low Level Methane	7/22/2025
T-507	225210 59	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-508	225210 60	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	ASTM D1945 Hydrogen	7/22/2025
T-508	225210 60	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-508	225210 60	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	ASTM D1945 Hydrogen	7/22/2025
T-509	225210 61	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-509	225210 61	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-509	225210 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-510	225210 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D3416 Low Level Methane	7/22/2025
T-510	225210 62	ASTM D1945 Hydrogen	7/22/2025
T-510	225210 62	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-601	225210 63	ASTM D1945 Hydrogen	7/23/2025
T-601	225210 63	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-601	225210 63	ASTM D3416 Low Level Methane	7/23/2025
T-601	225210 63	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-601	225210 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	ASTM D1945 Hydrogen	7/23/2025
T-602	225210 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-602	225210 64	ASTM D3416 Low Level Methane	7/23/2025
T-602	225210 64	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D1945 Hydrogen	7/23/2025
T-603	225210 65	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-603	225210 65	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-603	225210 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-604	225210 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D3416 Low Level Methane	7/23/2025
T-604	225210 66	ASTM D1945 Hydrogen	7/23/2025
T-604	225210 66	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	ASTM D1945 Hydrogen	7/23/2025
T-605	225210 67	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-605	225210 67	ASTM D3416 Low Level Methane	7/23/2025
T-605	225210 67	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-606	225210 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-606	225210 68	ASTM D1945 Hydrogen	7/23/2025
T-606	225210 68	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	ASTM D1945 Hydrogen	7/23/2025
T-607	225210 69	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-607	225210 69	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-607	225210 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-608	225210 70	ASTM D3416 Low Level Methane	7/23/2025
T-608	225210 70	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-608	225210 70	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-608	225210 70	ASTM D1945 Hydrogen	7/23/2025
T-608	225210 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-609	225210 71	ASTM D1945 Hydrogen	7/23/2025
T-609	225210 71	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-609	225210 71	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-609	225210 71	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-609	225210 71	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	ASTM D1945 Hydrogen	7/23/2025
T-610	225210 72	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-610	225210 72	ASTM D3416 Low Level Methane	7/23/2025
T-610	225210 72	EPA TO-12 C2 to C12 CRYO	7/23/2025

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pressurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

SDG	Lab ID	Client Sample No.	Sample	Batch	Pressure, torr		Can
			Media		Initial	Final	Factor
225210 26	T-212		729		690	690	1.00
225210 27	T-213		503		690	690	1.00
225210 28	T-214		754		733	733	1.00
225210 29	T-301		504		703	703	1.00
225210 30	T-302		718		699	699	1.00
225210 31	T-303		800		709	709	1.00
225210 32	T-304		643		718	718	1.00
225210 33	T-305		700		678	678	1.00
225210 34	T-306		860		689	689	1.00
225210 35	T-307		760		680	680	1.00
225210 36	T-308		706		685	685	1.00
225210 37	T-309		502		674	674	1.00
225210 38	T-310		618		678	678	1.00
225210 39	T-311		182		688	688	1.00
225210 40	T-312		545		682	682	1.00
225210 41	T-313		661		679	679	1.00
225210 42	T-314		603		768	768	1.00
225210 43	T-401		882		702	702	1.00
225210 44	T-402		505		709	709	1.00
225210 45	T-403		647		707	707	1.00
225210 46	T-404		698		708	708	1.00
225210 47	T-405		673		682	682	1.00
225210 48	T-406		549		695	695	1.00
225210 49	T-407		778		694	694	1.00
225210 50	T-408		837		687	687	1.00
225210 51	T-409		766		694	694	1.00
225210 52	T-410		701		844	844	1.00
225210 53	T-501		638		718	718	1.00
225210 54	T-502		417		716	716	1.00
225210 55	T-503		792		714	714	1.00
225210 56	T-504		552		710	710	1.00
225210 57	T-505		704		709	709	1.00
225210 58	T-506		895		760	760	1.00

SDG	Lab ID	Client Sample No.	Sample	Batch	Pressure, torr		Can
			Media		Initial	Final	
	225210 59	T-507	856		703	703	1.00
	225210 60	T-508	877		705	705	1.00
	225210 61	T-509	640		699	699	1.00
	225210 62	T-510	688		733	733	1.00
	225210 63	T-601	506		718	718	1.00
	225210 64	T-602	642		718	718	1.00
	225210 65	T-603	990		720	720	1.00
	225210 66	T-604	858		708	708	1.00
	225210 67	T-605	847		707	707	1.00
	225210 68	T-606	803		695	695	1.00
	225210 69	T-607	899		701	701	1.00
	225210 70	T-608	730		713	713	1.00
	225210 71	T-609	675		708	708	1.00
	225210 72	T-610	753		581	581	1.00

Laboratory Case Narrative

EAS SDG Number: 225210

Project Number: 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 8/11/2025

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

TO-15 Day 1

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106		Client Name SCS		Project Manager Pat Sullivan		Requested Completion Date		For Information Regarding These Samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS							
Station Number	Date	Time	C	G	O	R	M	A	P	Sample ID Number	Can ID Number	Analysis Requested	Can Pressure In (inches Hg)	Can Pressure Out (inches Hg)	Remarks				
												TO-12 PD (NMHC)	TO-14 PD (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer			
01	7/15/2025	8:34	X	X	X	X	X	X	X	T-101	935	X	X	X	X	X	-29	0	697
02	7/15/2025	8:38	X	X	X	X	X	X	X	T-102	650	X	X	X	X	X	-29	0	695
03	7/15/2025	8:46	X	X	X	X	X	X	X	T-103	623	X	X	X	X	X	-29	0	714
04	7/15/2025	8:55	X	X	X	X	X	X	X	T-104	637	X	X	X	X	X	-29	0	701
05	7/15/2025	10:05	X	X	X	X	X	X	X	T-105	756	X	X	X	X	X	-29	0	687
06	7/15/2025	9:55	X	X	X	X	X	X	X	T-106	734	X	X	X	X	X	-29	0	692
07	7/15/2025	10:06	X	X	X	X	X	X	X	T-107	682	X	X	X	X	X	-29	0	676
08	7/15/2025	9:55	X	X	X	X	X	X	X	T-108	553	X	X	X	X	X	-29	0	681
09	7/15/2025	11:05	X	X	X	X	X	X	X	T-109	605	X	X	X	X	X	-29	0	690
10	7/15/2025	10:55	X	X	X	X	X	X	X	T-110	738	X	X	X	X	X	-29	0	676
11	7/15/2025	11:06	X	X	X	X	X	X	X	T-111	768	X	X	X	X	X	-29	0	672
12	7/15/2025	11:16	X	X	X	X	X	X	X	T-112	697	X	X	X	X	X	-29	0	676
13	7/15/2025	12:00	X	X	X	X	X	X	X	T-113	672	X	X	X	X	X	-29	0	685
14	7/15/2025	11:44	X	X	X	X	X	X	X	T-114	657	X	X	X	X	X	-29	0	712
Sample	7/15/25	7:15								Relinquished by	7/15/25	11:53	HAZWOP/NEESA	Y	N				
Retrieved by	7/15/25	7:15								Relinquished by	7/15/25	11:53	QC Level	1	2	3			
Retrieved by	7/15/25	7:15								Relinquished by	7/15/25	11:53	Area Req						
Retrieved by	7/15/25	7:15								Relinquished by	7/15/25	11:53	Cust Seal						
Retrieved by	7/15/25	7:15								Relinquished by	7/15/25	11:53	Sample Condition						

GE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number
CES F1-02106

Client Name

SCS

Chiquita Canyon Landfill

Project Manager

Pat Sullivan

Dr. Charles E. Schmidt

19200 Live Oak Road, Red Bluff, CA 95080

530-529-4256 Cell: 530-200-2473

E-Mail: SCHMIDTCE@aol.com

For Information Regarding These Samples
Please Contact:

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address

173 Cross Street

San Luis Obispo, CA 93401

Laboratory Phone

805-781-3585

Laboratory Contact

Dr. Steve Hoyt

steveloyt@easlab.com

Remarks

Requested Completion Date

Station Number

Date

Time

Can ID Number

Sample ID Number

Can Pressure In (Inches Hg)

Can Pressure Out (Inches Hg)

Fixed gases (List on back)

TO-15 (List on back)

TO-14 (List on back)

TO-12 (List on back)

Sample Container

Can

Tube

Relinquished by

Date/Time

Relinquished by

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TC Day 2

copy

000685 of 001148

TO: Day 5

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number

CES F4-02106

Client Name

Chiquita Canyon Landfill

Project Manager

Pat Sullivan

Dr. Charles E. Schmidt

19200 Live Oak Road, Red Bluff, CA 96080

530-529-4256 Cell: 530-200-2473

E-Mail: SCHMIDTCE@aol.com

For Information Regarding these samples

Please Contact:

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Can

Tube

Can ID Number

Sample ID Number

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Client Address and Phone Number

3900 Kilroy Airport Way, Suite 100

Long Beach, CA 90806 562-743-7895

Analysis Requested

TO-12 FID (MNHG)

TO-14 FID (See back)

TO-15 (List on back)

Fixed gases (List on back)

1,1-DFA Tracer

Can Pressure In (Inches Hg)

Can Pressure Out (Inches)

Remarks

Laboratory Name

EAS

Laboratory Address

173 Cross Street

San Luis Obispo, CA 93401

Laboratory Phone

805-781-3585

Laboratory Contact

Dr. Steve Hoyt

stevehoyt@easlab.com

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TO: Day 6

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02/106		Client Name SCS		Project Manager Pat Sullivan		Requested Completion Date		Station Number		Date	Time	GMA P/B		Sample ID Number	Can ID Number	# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895				Laboratory Name EAS
For information regarding these samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		COPIES		COPIES		COPIES		COPIES		COPIES		COPIES		COPIES		COPIES		COPIES		COPIES		
Station Number	Date	Time	GMA P/B	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	Can ID Number	
603	7/23/2025	1:50	X	T-601	506	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	718	
604	7/23/2025	1:55	X	T-602	612	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	718	
605	7/23/2025	1:59	X	T-603	910	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	720	
606	7/23/2025	1:56	X	T-604	858	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	708	
607	7/23/2025	2:03	X	T-605	847	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	707	
608	7/23/2025	2:06	X	T-606	803	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	695	
609	7/23/2025	2:08	X	T-607	877	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	701	
610	7/23/2025	2:50	X	T-608	730	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	713	
611	7/23/2025	2:03	X	T-609	625	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	708	
612	7/23/2025	2:37	X	T-610	753	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	681	
Sampler		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		
Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		Remarks		

Quality Control Report

EAS SDG Number: 225210

Project Number: 17807

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different than the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: LABQC

Laboratory Number: B08055B

File Name: B08055B

Date Sampled:

Time:

Description: METHOD BLANK

Date Analyzed: 08/05/25

Time: 14:42

Can/Tube#:

Can Dilution Factor: 1.00

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.380	0.407	ND	3,800	4,066	ND	ND
7782-44-7	Oxygen	0.050	0.054	ND	500	535	ND	ND
630-08-0	Carbon Monoxide	0.010	0.011	ND	100	107	ND	ND
124-38-9	Carbon Dioxide	0.010	0.011	ND	100	107	ND	ND

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D 1945 GC/TCD

Analytical Method: D1945

Date: 08/05/25
QC_Batch: 080525-GCO

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
7782-44-7	Oxygen	102		97		70	130	5	25	
7727-37-9	Nitrogen	99		86		70	130	14	25	
74-82-8	Methane	104		103		70	130	0	25	
630-08-0	Carbon Monoxide	107		105		70	130	2	25	
124-38-9	Carbon Dioxide	100		97		70	130	3	25	

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less than the RL. See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater than one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.46 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 01

File Name: 2521001A
Description: T-101
Can/Tube#: 735
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 Time: 8:37
Date Analyzed: 08/05/25 Time: 15:06
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.581	0.622	ND	5,805	6,212	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.15	764	817	111,548	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	153	163	1,317	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 02

File Name: 2521002A

Description: T-102

Can/Tube#: 650

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 8:38

Date Analyzed: 08/05/25

Time: 15:11

Can Dilution Factor: 1.55

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.587	0.628	ND	5,873	6,284	ND	ND
7782-44-7	Oxygen	0.077	0.082	11.61	773	827	116,139	
630-08-0	Carbon Monoxide	0.015	0.016	ND	155	165	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	155	165	1,183	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 03

File Name: 2521003A

Description: T-103

Can/Tube#: 823

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 8:16

Date Analyzed: 08/05/25

Time: 15:17

Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.562	0.601	ND	5,622	6,016	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.68	740	792	126,815	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.05	148	158	455	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 04

File Name: 2521004A

Date Sampled: 07/15/25

Time: 8:05

Description: T-104

Date Analyzed: 08/05/25

Time: 15:23

Can/Tube#: 881

Can Dilution Factor: 1.52

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,792	6,197	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.51	762	815	115,087	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.27	152	163	2,707	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 05

File Name: 2521005A

Description: T-105

Can/Tube#: 756

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 10:05

Date Analyzed: 08/05/25

Time: 15:29

Can Dilution Factor: 1.57

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.598	0.640	ND	5,978	6,396	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.47	787	842	114,720	
630-08-0	Carbon Monoxide	0.016	0.017	ND	157	168	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.08	157	168	839	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 06

File Name: 2521006A

Description: T-106

Can/Tube#: 634

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 9:55

Date Analyzed: 08/05/25

Time: 15:34

Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.602	0.644	ND	6,016	6,437	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.51	792	847	115,052	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.08	158	169	794	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 07

File Name: 2521007A

Date Sampled: 07/15/25

Time: 10:06

Description: T-107

Date Analyzed: 08/05/25

Time: 15:41

Can/Tube#: 802

Can Dilution Factor: 1.49

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,644	6,039	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.85	743	795	118,506	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	149	159	951	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 08

File Name: 2521008A

Description: T-108

Can/Tube#: 553

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 9:55

Date Analyzed: 08/05/25

Time: 15:47

Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,586	5,977	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.14	735	786	121,393	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	147	157	1,189	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 09

File Name: 2521009A

Description: T-109

Can/Tube#: 605

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 11:05

Date Analyzed: 08/05/25

Time: 15:52

Can Dilution Factor: 1.56

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.593	0.635	ND	5,927	6,342	ND	ND
7782-44-7	Oxygen	0.078	0.083	11.80	780	834	117,980	
630-08-0	Carbon Monoxide	0.016	0.017	ND	156	167	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	156	167	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 10

File Name: 2521010A

Date Sampled: 07/15/25

Time: 10:55

Description: T-110

Date Analyzed: 08/05/25

Time: 15:58

Can/Tube#: 738

Can Dilution Factor: 1.50

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,700	6,099	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.91	750	803	119,075	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	150	161	395	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 11

File Name: 2521011A

Date Sampled: 07/15/25

Time: 11:06

Description: T-111

Date Analyzed: 08/05/25

Time: 16:04

Can/Tube#: 768

Can Dilution Factor: 1.49

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.567	0.607	ND	5,669	6,066	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.26	746	798	112,648	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	149	160	798	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 12

File Name: 2521012A

Description: T-112

Can/Tube#: 897

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 11:16

Date Analyzed: 08/05/25

Time: 16:11

Can Dilution Factor: 1.82

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.693	0.742	ND	6,931	7,416	ND	ND
7782-44-7	Oxygen	0.091	0.097	11.17	912	976	111,668	
630-08-0	Carbon Monoxide	0.018	0.019	ND	182	195	ND	ND
124-38-9	Carbon Dioxide	0.018	0.019	0.19	182	195	1,920	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD**SDG: 225210**

Analytical Method: D1945

Laboratory Number: 13

File Name: 2521013A

Date Sampled: 07/15/25

Time: 11:20

Description: T-113

Date Analyzed: 08/05/25

Time: 16:19

Can/Tube#: 692

Can Dilution Factor: 1.47

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,580	5,971	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.78	734	786	117,785	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	995	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 14

File Name: 2521014A

Description: T-114

Can/Tube#: 657

QC_Batch: 08025-GCO

Date Sampled: 07/15/25

Time: 11:44

Date Analyzed: 08/05/25

Time: 16:24

Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.604	0.646	ND	6,038	6,460	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.87	794	850	118,650	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	159	170	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 15

File Name: 2521015A

Description: T-201

Can/Tube#: 846

QC_Batch: 08025-GCO

Date Sampled: 07/16/25

Time: 8:24

Date Analyzed: 08/05/25

Time: 16:30

Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.544	0.582	ND	5,443	5,824	ND	ND
7782-44-7	Oxygen	0.072	0.077	11.84	716	766	118,402	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.10	143	153	1,022	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 16

File Name: 2521016A

Date Sampled: 07/16/25

Time: 8:28

Description: T-202

Date Analyzed: 08/05/25

Time: 16:35

Can/Tube#: 764

Can Dilution Factor: 1.46

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.557	0.596	ND	5,565	5,955	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.96	732	784	119,623	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	146	157	964	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 17

File Name: 2521017A

Description: T-203

Can/Tube#: 690

QC_Batch: 08025-GCO

Date Sampled: 07/16/25

Time: 8:16

Date Analyzed: 08/05/25

Time: 16:41

Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.515	0.551	ND	5,154	5,515	ND	ND
7782-44-7	Oxygen	0.068	0.073	12.10	678	726	120,959	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	136	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 18

File Name: 2521018A

Description: T-204

Can/Tube#: 531

QC_Batch: 08025-GCO

Date Sampled: 07/16/25

Time: 8:21

Date Analyzed: 08/05/25

Time: 16:46

Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.553	0.592	ND	5,532	5,919	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.04	728	779	120,356	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	146	156	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 19

File Name: 2521019A

Description: T-205

Can/Tube#: 749

QC_Batch: 08025-GCO

Date Sampled: 07/16/25

Time: 9:24

Date Analyzed: 08/05/25

Time: 16:51

Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,627	6,021	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.92	740	792	119,174	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	158	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 20

File Name: 2521020A

Date Sampled: 07/16/25

Time: 9:32

Description: T-206

Date Analyzed: 08/05/25

Time: 16:57

Can/Tube#: 779

Can Dilution Factor: 1.48

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,631	6,025	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.94	741	793	119,369	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 21

File Name: 2521021A

Date Sampled: 07/16/25

Time: 9:31

Description: T-207

Date Analyzed: 08/05/25

Time: 17:02

Can/Tube#: 672

Can Dilution Factor: 1.51

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.576	0.616	ND	5,756	6,159	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.07	757	810	120,654	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	162	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 22

File Name: 2521022A

Date Sampled: 07/16/25

Time: 9:40

Description: T-208

Date Analyzed: 08/05/25

Time: 17:07

Can/Tube#: 677

Can Dilution Factor: 1.50

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,703	6,102	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.95	750	803	119,523	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 23

File Name: 2521023A

Date Sampled: 07/16/25

Time: 11:05

Description: T-209

Date Analyzed: 08/05/25

Time: 17:13

Can/Tube#: 509

Can Dilution Factor: 1.51

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.574	0.614	ND	5,743	6,145	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.00	756	809	119,982	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	162	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 24

File Name: 2521024A

Date Sampled: 07/16/25

Time: 10:54

Description: T-210

Date Analyzed: 08/05/25

Time: 17:18

Can/Tube#: 712

Can Dilution Factor: 1.46

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,564	5,953	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.88	732	783	118,837	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	146	157	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 25

File Name: 2521025A

Date Sampled: 07/16/25

Time: 10:59

Description: T-211

Date Analyzed: 08/05/25

Time: 17:24

Can/Tube#: 654

Can Dilution Factor: 1.63

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.618	0.661	ND	6,177	6,609	ND	ND
7782-44-7	Oxygen	0.081	0.087	11.87	813	870	118,675	
630-08-0	Carbon Monoxide	0.016	0.017	ND	163	174	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	163	174	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 26

File Name: 2521026A

Date Sampled: 07/16/25

Time: 11:00

Description: T-212

Date Analyzed: 08/05/25

Time: 17:29

Can/Tube#: 729

Can Dilution Factor: 1.50

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,703	6,102	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.98	750	803	119,797	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 27

File Name: 2521027A

Date Sampled: 07/16/25

Time: 11:06

Description: T-213

Date Analyzed: 08/05/25

Time: 17:35

Can/Tube#: 503

Can Dilution Factor: 1.49

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,676	6,073	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.12	747	799	121,197	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 28

File Name: 2521028A

Description: T-214

Can/Tube#: 754

QC_Batch: 08025-GCO

Date Sampled: 07/16/25

Time: 11:30

Date Analyzed: 08/05/25

Time: 17:40

Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,640	6,035	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.02	742	794	120,208	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCDSDG: **225210**Analytical Method: **D1945**Laboratory Number: **29**

File Name: 2521029A

Date Sampled: 07/17/25

Time: 8:11

Description: T-301

Date Analyzed: 08/05/25

Time: 17:46

Can/Tube#: 504

Can Dilution Factor: 1.47

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.560	0.599	ND	5,599	5,991	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.81	737	788	128,100	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	147	158	1,247	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 30

File Name: 2521030A

Description: T-302

Can/Tube#: 718

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 8:22

Date Analyzed: 08/05/25

Time: 17:51

Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,590	5,981	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.96	735	787	119,635	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	1,018	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 31

File Name: 2521031A

Description: T-303

Can/Tube#: 800

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 8:25

Date Analyzed: 08/05/25

Time: 17:57

Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.506	0.541	ND	5,059	5,414	ND	ND
7782-44-7	Oxygen	0.067	0.072	12.27	666	712	122,744	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.10	133	142	998	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 32

File Name: 2521032A

Description: T-304

Can/Tube#: 643

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 8:05

Date Analyzed: 08/05/25

Time: 18:02

Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.548	0.586	ND	5,483	5,867	ND	ND
7782-44-7	Oxygen	0.072	0.077	11.88	721	772	118,780	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	154	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.08	144	154	832	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 33

File Name: 2521033A

Description: T-305

Can/Tube#: 700

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 9:42

Date Analyzed: 08/05/25

Time: 18:07

Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.572	0.612	ND	5,719	6,119	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.08	752	805	120,801	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.15	150	161	1,485	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 34

File Name: 2521034A

Date Sampled: 07/17/25

Time: 9:40

Description: T-306

Date Analyzed: 08/05/25

Time: 18:13

Can/Tube#: 860

Can Dilution Factor: 1.56

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.592	0.633	ND	5,922	6,337	ND	ND
7782-44-7	Oxygen	0.078	0.083	12.04	779	834	120,409	
630-08-0	Carbon Monoxide	0.016	0.017	ND	156	167	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.11	156	167	1,066	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210

Analytical Method: D1945

Laboratory Number: 35

File Name: 2521035A

Date Sampled: 07/17/25

Time: 9:36

Description: T-307

Date Analyzed: 08/05/25

Time: 18:18

Can/Tube#: 760

Can Dilution Factor: 1.58

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.600	0.642	ND	5,999	6,419	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.85	789	845	118,528	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.14	158	169	1,392	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 36

File Name: 2521036A

Date Sampled: 07/17/25

Time: 9:35

Description: T-308

Date Analyzed: 08/05/25

Time: 18:24

Can/Tube#: 706

Can Dilution Factor: 1.47

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,583	5,974	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.00	735	786	119,984	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	981	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 37

File Name: 2521037A

Description: T-309

Can/Tube#: 502

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 10:52

Date Analyzed: 08/05/25

Time: 18:29

Can Dilution Factor: 1.52

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.577	0.617	ND	5,772	6,176	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.90	759	813	119,046	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	152	163	786	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 38

File Name: 2521038A

Description: T-310

Can/Tube#: 618

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 10:54

Date Analyzed: 08/05/25

Time: 18:34

Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,684	6,082	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.99	748	800	119,906	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.14	150	160	1,373	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 39

File Name: 2521039A

Description: T-311

Can/Tube#: 182

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 10:46

Date Analyzed: 08/05/25

Time: 18:39

Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,630	6,024	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.12	741	793	121,244	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	148	159	852	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 40

File Name: 2521040A

Date Sampled: 07/17/25

Time: 10:43

Description: T-312

Date Analyzed: 08/05/25

Time: 18:45

Can/Tube#: 545

Can Dilution Factor: 1.52

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,794	6,200	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.09	762	816	120,941	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	152	163	837	

ANALYTICAL REPORT**E**NVIRONMENTAL
Analytical Service, Inc.**ASTM D 1945 GC/TCD**

Analytical Method: D1945

SDG: 225210

Laboratory Number: 41

File Name: 2521041A

Description: T-313

Can/Tube#: 661

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 10:48

Date Analyzed: 08/05/25

Time: 18:50

Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.574	0.614	ND	5,737	6,139	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.01	755	808	120,142	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	151	162	940	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 42

File Name: 2521042A

Description: T-314

Can/Tube#: 603

QC_Batch: 08025-GCO

Date Sampled: 07/17/25

Time: 11:22

Date Analyzed: 08/05/25

Time: 18:55

Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,643	6,038	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.65	743	795	116,461	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 43

File Name: 2521043A

Date Sampled: 07/18/25

Time: 8:06

Description: T-401

Date Analyzed: 08/05/25

Time: 19:00

Can/Tube#: 882

Can Dilution Factor: 1.45

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.553	0.592	ND	5,526	5,912	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.44	727	778	124,396	
630-08-0	Carbon Monoxide	0.015	0.016	ND	145	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.06	145	156	588	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 44

File Name: 2521044A

Description: T-402

Can/Tube#: 505

QC_Batch: 08025-GCO

Date Sampled: 07/18/25

Time: 8:11

Date Analyzed: 08/05/25

Time: 19:05

Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,412	5,791	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.33	712	762	123,325	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.06	142	152	644	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 45

File Name: 2521045A

Description: T-403

Can/Tube#: 647

QC_Batch: 08025-GCO

Date Sampled: 07/18/25

Time: 8:13

Date Analyzed: 08/05/25

Time: 19:10

Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.555	0.594	ND	5,551	5,940	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.11	730	782	121,079	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	146	156	353	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 46

File Name: 2521046A

Date Sampled: 07/18/25

Time: 8:08

Description: T-404

Date Analyzed: 08/05/25

Time: 19:16

Can/Tube#: 698

Can Dilution Factor: 1.43

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.543	0.581	ND	5,430	5,810	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.40	715	765	124,047	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.06	143	153	586	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 47

File Name: 2521047A

Date Sampled: 07/18/25

Time: 9:15

Description: T-405

Date Analyzed: 08/05/25

Time: 19:20

Can/Tube#: 673

Can Dilution Factor: 1.60

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.608	0.651	ND	6,081	6,507	ND	ND
7782-44-7	Oxygen	0.080	0.086	12.13	800	856	121,272	
630-08-0	Carbon Monoxide	0.016	0.017	ND	160	171	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.04	160	171	362	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 48

File Name: 2521048A

Description: T-406

Can/Tube#: 549

QC_Batch: 08025-GCO

Date Sampled: 07/18/25

Time: 9:04

Date Analyzed: 08/05/25

Time: 19:26

Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.547	0.585	ND	5,473	5,856	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.11	720	771	121,130	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	154	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.05	144	154	480	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 49

File Name: 2521049A

Date Sampled: 07/18/25

Time: 9:10

Description: T-407

Date Analyzed: 08/05/25

Time: 19:31

Can/Tube#: 778

Can Dilution Factor: 1.46

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,560	5,949	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.23	732	783	122,332	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	146	157	351	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 50

File Name: 2521050A

Description: T-408

Can/Tube#: 837

QC_Batch: 08025-GCO

Date Sampled: 07/18/25

Time: 9:13

Date Analyzed: 08/05/25

Time: 19:37

Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,635	6,030	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.21	741	793	122,092	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	148	159	899	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 51

File Name: 2521051A

Date Sampled: 07/18/25

Time: 9:16

Description: T-409

Date Analyzed: 08/05/25

Time: 19:42

Can/Tube#: 766

Can Dilution Factor: 1.47

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.560	0.599	ND	5,598	5,990	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.12	737	788	121,221	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	147	158	937	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 52

File Name: 2521052A

Description: T-410

Can/Tube#: 701

QC_Batch: 08025-GCO

Date Sampled: 07/18/25

Time: 9:42

Date Analyzed: 08/05/25

Time: 19:47

Can Dilution Factor: 1.27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.483	0.517	ND	4,828	5,166	ND	ND
7782-44-7	Oxygen	0.064	0.068	12.71	635	680	127,066	
630-08-0	Carbon Monoxide	0.013	0.014	ND	127	136	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	127	136	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 53

File Name: 2521053A

Description: T-501

Can/Tube#: 638

QC_Batch: 08025-GCO

Date Sampled: 07/22/25

Time: 10:17

Date Analyzed: 08/05/25

Time: 19:52

Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.545	0.583	ND	5,445	5,826	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.40	716	767	123,988	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	143	153	165	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 54

File Name: 2521054A

Description: T-502

Can/Tube#: 417

QC_Batch: 08025-GCO

Date Sampled: 07/22/25

Time: 10:22

Date Analyzed: 08/05/25

Time: 19:58

Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.571	0.611	ND	5,709	6,108	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.27	751	804	122,652	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	150	161	333	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 55

File Name: 2521055A

Description: T-503

Can/Tube#: 792

QC_Batch: 08025-GCO

Date Sampled: 07/22/25

Time: 10:15

Date Analyzed: 08/05/25

Time: 20:03

Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.540	0.578	ND	5,404	5,782	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.35	711	761	123,489	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	142	152	155	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 56

File Name: 2521056A

Description: T-504

Can/Tube#: 552

QC_Batch: 08025-GCO

Date Sampled: 07/22/25

Time: 10:26

Date Analyzed: 08/05/25

Time: 20:09

Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.565	0.605	ND	5,650	6,046	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.69	743	795	116,855	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.05	149	159	522	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 57

File Name: 2521057A
Description: T-505
Can/Tube#: 704
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 Time: 11:26
Date Analyzed: 08/05/25 Time: 20:14
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.554	0.593	ND	5,535	5,923	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.36	728	779	123,596	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.02	146	156	193	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD**SDG: 225210**

Analytical Method: D1945

Laboratory Number: 58

File Name: 2521058A

Date Sampled: 07/22/25

Time: 11:21

Description: T-506

Date Analyzed: 08/05/25

Time: 20:20

Can/Tube#: 895

Can Dilution Factor: 1.43

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.544	0.582	ND	5,442	5,823	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.37	716	766	123,721	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	143	153	210	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 59

File Name: 2521059A

Description: T-507

Can/Tube#: 856

QC_Batch: 08025-GCO

Date Sampled: 07/22/25

Time: 11:24

Date Analyzed: 08/05/25

Time: 20:25

Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,588	5,979	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.24	735	787	112,408	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	147	157	254	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210

Analytical Method: D1945

Laboratory Number: 60

File Name: 2521060A

Date Sampled: 07/22/25

Time: 11:21

Description: T-508

Date Analyzed: 08/05/25

Time: 20:30

Can/Tube#: 877

Can Dilution Factor: 1.59

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.604	0.646	ND	6,037	6,459	ND	ND
7782-44-7	Oxygen	0.079	0.085	12.15	794	850	121,508	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.03	159	170	258	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD**SDG: 225210**

Analytical Method: D1945

Laboratory Number: 61

File Name: 2521061A

Date Sampled: 07/22/25

Time: 11:27

Description: T-509

Date Analyzed: 08/05/25

Time: 20:36

Can/Tube#: 640

Can Dilution Factor: 1.51

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.576	0.616	ND	5,757	6,160	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.21	757	810	122,145	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	151	162	327	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 62

File Name: 2521062A

Date Sampled: 07/22/25

Time: 11:48

Description: T-510

Date Analyzed: 08/05/25

Time: 20:41

Can/Tube#: 688

Can Dilution Factor: 1.53

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.583	0.624	ND	5,832	6,241	ND	ND
7782-44-7	Oxygen	0.077	0.082	12.32	767	821	123,167	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	153	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 63

File Name: 2521063A

Description: T-601

Can/Tube#: 506

QC_Batch: 08025-GCO

Date Sampled: 07/23/25

Time: 7:50

Date Analyzed: 08/05/25

Time: 20:47

Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.551	0.590	ND	5,508	5,894	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.35	725	776	123,540	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.07	145	155	741	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 64

File Name: 2521064A

Date Sampled: 07/23/25

Time: 7:55

Description: T-602

Date Analyzed: 08/05/25

Time: 20:52

Can/Tube#: 642

Can Dilution Factor: 1.36

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.519	0.555	ND	5,186	5,549	ND	ND
7782-44-7	Oxygen	0.068	0.073	12.50	682	730	124,994	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.10	136	146	1,031	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 65

File Name: 2521065A

Date Sampled: 07/23/25

Time: 7:49

Description: T-603

Date Analyzed: 08/05/25

Time: 20:57

Can/Tube#: 990

Can Dilution Factor: 1.48

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,636	6,031	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.34	742	794	123,387	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.11	148	159	1,055	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD**SDG: 225210**

Analytical Method: D1945

Laboratory Number: 66

File Name: 2521066A

Date Sampled: 07/23/25

Time: 7:56

Description: T-604

Date Analyzed: 08/05/25

Time: 21:03

Can/Tube#: 858

Can Dilution Factor: 1.52

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,791	6,197	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.04	762	815	120,368	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	152	163	988	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 67

File Name: 2521067A

Date Sampled: 07/23/25

Time: 9:03

Description: T-605

Date Analyzed: 08/05/25

Time: 21:08

Can/Tube#: 847

Can Dilution Factor: 1.46

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,558	5,947	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.41	731	783	124,131	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	146	157	820	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 68

File Name: 2521068A

Date Sampled: 07/23/25

Time: 9:06

Description: T-606

Date Analyzed: 08/05/25

Time: 21:13

Can/Tube#: 803

Can Dilution Factor: 1.48

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,638	6,032	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.15	742	794	121,495	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	148	159	1,017	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD**SDG: 225210****Analytical Method: D1945****Laboratory Number: 69**

File Name: 2521069A**Date Sampled: 07/23/25****Time: 9:08****Description: T-607****Date Analyzed: 08/05/25****Time: 21:19****Can/Tube#: 899****Can Dilution Factor: 1.49****QC_Batch: 08025-GCO**

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.566	0.606	ND	5,655	6,051	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.39	744	796	123,889	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	149	159	1,271	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 70

File Name: 2521070A

Date Sampled: 07/23/25

Time: 8:50

Description: T-608

Date Analyzed: 08/05/25

Time: 21:24

Can/Tube#: 730

Can Dilution Factor: 1.43

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.545	0.583	ND	5,445	5,826	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.52	716	767	125,211	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.13	143	153	1,295	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 71

File Name: 2521071A

Date Sampled: 07/23/25

Time: 9:03

Description: T-609

Date Analyzed: 08/05/25

Time: 21:30

Can/Tube#: 675

Can Dilution Factor: 1.49

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.567	0.607	ND	5,670	6,067	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.39	746	798	123,882	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.14	149	160	1,405	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210

Laboratory Number: 72

File Name: 2521072A

Date Sampled: 07/23/25

Time: 9:31

Description: T-610

Date Analyzed: 08/05/25

Time: 21:35

Can/Tube#: 753

Can Dilution Factor: 1.86

QC_Batch: 08025-GCO

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.706	0.755	ND	7,063	7,558	ND	ND
7782-44-7	Oxygen	0.093	0.100	11.81	929	994	118,087	
630-08-0	Carbon Monoxide	0.019	0.020	ND	186	199	ND	ND
124-38-9	Carbon Dioxide	0.019	0.020	ND	186	199	ND	ND

Analytical Report

Project Name:

Chiquita Canyon - Methane

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

Prepared For:

C.E. Schmidt
19200 Live Oak Road
Red Bluff

CA 96080

Project Number: 17807

Sample Event Date: 7/15,7/16,7/17,7/

Received Date: 7/18/2025

Report Date: 8/11/2025

Project Number:

PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is a unique identifier for the sample.

This Report Contains:

Laboratory Work Order

Project Sample Media

Laboratory Case Narrative and Chain of Custody

Method Description (when applicable)

Quality Control Reports

Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 225210

Project Number: 17807

Client: Chuck Schmidt

Received: 7/18/2025

C.E. Schmidt

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	225210 1	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-101	225210 1	ASTM D3416 Low Level Methane	7/15/2025
T-101	225210 1	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-101	225210 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-101	225210 1	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-102	225210 2	ASTM D3416 Low Level Methane	7/15/2025
T-102	225210 2	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-102	225210 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	ASTM D1945 Hydrogen	7/15/2025
T-103	225210 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-103	225210 3	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-103	225210 3	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	ASTM D1945 Hydrogen	7/15/2025
T-104	225210 4	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-104	225210 4	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-104	225210 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-105	225210 5	ASTM D1945 Hydrogen	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	225210 5	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-105	225210 5	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-106	225210 6	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-106	225210 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-106	225210 6	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-107	225210 7	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-107	225210 7	ASTM D3416 Low Level Methane	7/15/2025
T-107	225210 7	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-108	225210 8	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	ASTM D3416 Low Level Methane	7/15/2025
T-108	225210 8	ASTM D1945 Hydrogen	7/15/2025
T-108	225210 8	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D1945 Hydrogen	7/15/2025
T-109	225210 9	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D3416 Low Level Methane	7/15/2025
T-109	225210 9	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-109	225210 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-110	225210 10	ASTM D1945 Hydrogen	7/15/2025
T-110	225210 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-110	225210 10	ASTM D3416 Low Level Methane	7/15/2025
T-111	225210 11	ASTM D1945 Hydrogen	7/15/2025
T-111	225210 11	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-111	225210 11	ASTM D3416 Low Level Methane	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	225210 17	ASTM D1945 Hydrogen	7/16/2025
T-203	225210 17	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	ASTM D1945 Hydrogen	7/16/2025
T-204	225210 18	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-204	225210 18	ASTM D3416 Low Level Methane	7/16/2025
T-204	225210 18	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-205	225210 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	ASTM D3416 Low Level Methane	7/16/2025
T-205	225210 19	ASTM D1945 Hydrogen	7/16/2025
T-205	225210 19	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D1945 Hydrogen	7/16/2025
T-206	225210 20	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D3416 Low Level Methane	7/16/2025
T-206	225210 20	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-206	225210 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-207	225210 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	ASTM D3416 Low Level Methane	7/16/2025
T-207	225210 21	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-207	225210 21	ASTM D1945 Hydrogen	7/16/2025
T-208	225210 22	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-208	225210 22	ASTM D3416 Low Level Methane	7/16/2025
T-208	225210 22	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-208	225210 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-208	225210 22	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-209	225210 23	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	ASTM D1945 Permanent Gas Analysis	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	225210 23	ASTM D3416 Low Level Methane	7/16/2025
T-209	225210 23	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-210	225210 24	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	ASTM D1945 Hydrogen	7/16/2025
T-210	225210 24	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-210	225210 24	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	ASTM D1945 Hydrogen	7/16/2025
T-211	225210 25	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-211	225210 25	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-211	225210 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-212	225210 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D3416 Low Level Methane	7/16/2025
T-212	225210 26	ASTM D1945 Hydrogen	7/16/2025
T-212	225210 26	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	ASTM D1945 Hydrogen	7/16/2025
T-213	225210 27	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-213	225210 27	ASTM D3416 Low Level Methane	7/16/2025
T-213	225210 27	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	ASTM D1945 Hydrogen	7/16/2025
T-214	225210 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-214	225210 28	ASTM D3416 Low Level Methane	7/16/2025
T-214	225210 28	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-301	225210 29	ASTM D1945 Hydrogen	7/17/2025
T-301	225210 29	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-301	225210 29	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	225210 29	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-301	225210 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-302	225210 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D3416 Low Level Methane	7/17/2025
T-302	225210 30	ASTM D1945 Hydrogen	7/17/2025
T-302	225210 30	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	ASTM D1945 Hydrogen	7/17/2025
T-303	225210 31	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-303	225210 31	ASTM D3416 Low Level Methane	7/17/2025
T-303	225210 31	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-304	225210 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-304	225210 32	ASTM D1945 Hydrogen	7/17/2025
T-304	225210 32	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	ASTM D1945 Hydrogen	7/17/2025
T-305	225210 33	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-305	225210 33	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-305	225210 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-306	225210 34	ASTM D3416 Low Level Methane	7/17/2025
T-306	225210 34	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-306	225210 34	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-306	225210 34	ASTM D1945 Hydrogen	7/17/2025
T-306	225210 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-307	225210 35	ASTM D1945 Hydrogen	7/17/2025
T-307	225210 35	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-307	225210 35	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	225210 35	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-307	225210 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-308	225210 36	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-308	225210 36	ASTM D1945 Hydrogen	7/17/2025
T-308	225210 36	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-308	225210 36	ASTM D3416 Low Level Methane	7/17/2025
T-308	225210 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-309	225210 37	ASTM D3416 Low Level Methane	7/17/2025
T-309	225210 37	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-309	225210 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-310	225210 38	ASTM D3416 Low Level Methane	7/17/2025
T-310	225210 38	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-310	225210 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	ASTM D1945 Hydrogen	7/17/2025
T-311	225210 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-311	225210 39	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-311	225210 39	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	ASTM D1945 Hydrogen	7/17/2025
T-312	225210 40	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-312	225210 40	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-312	225210 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-313	225210 41	ASTM D1945 Permanent Gas Analysis	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-501	225210 53	ASTM D1945 Hydrogen	7/22/2025
T-501	225210 53	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-502	225210 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-502	225210 54	ASTM D1945 Hydrogen	7/22/2025
T-502	225210 54	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-502	225210 54	ASTM D3416 Low Level Methane	7/22/2025
T-502	225210 54	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-503	225210 55	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	ASTM D1945 Hydrogen	7/22/2025
T-503	225210 55	ASTM D3416 Low Level Methane	7/22/2025
T-503	225210 55	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D1945 Hydrogen	7/22/2025
T-504	225210 56	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D3416 Low Level Methane	7/22/2025
T-504	225210 56	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-504	225210 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-505	225210 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	ASTM D3416 Low Level Methane	7/22/2025
T-505	225210 57	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-505	225210 57	ASTM D1945 Hydrogen	7/22/2025
T-506	225210 58	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-506	225210 58	ASTM D3416 Low Level Methane	7/22/2025
T-506	225210 58	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-506	225210 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-506	225210 58	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-507	225210 59	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	ASTM D1945 Permanent Gas Analysis	7/22/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-507	225210 59	ASTM D3416 Low Level Methane	7/22/2025
T-507	225210 59	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-508	225210 60	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	ASTM D1945 Hydrogen	7/22/2025
T-508	225210 60	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-508	225210 60	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	ASTM D1945 Hydrogen	7/22/2025
T-509	225210 61	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-509	225210 61	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-509	225210 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-510	225210 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D3416 Low Level Methane	7/22/2025
T-510	225210 62	ASTM D1945 Hydrogen	7/22/2025
T-510	225210 62	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-601	225210 63	ASTM D1945 Hydrogen	7/23/2025
T-601	225210 63	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-601	225210 63	ASTM D3416 Low Level Methane	7/23/2025
T-601	225210 63	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-601	225210 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	ASTM D1945 Hydrogen	7/23/2025
T-602	225210 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-602	225210 64	ASTM D3416 Low Level Methane	7/23/2025
T-602	225210 64	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D1945 Hydrogen	7/23/2025
T-603	225210 65	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-603	225210 65	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-603	225210 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-604	225210 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D3416 Low Level Methane	7/23/2025
T-604	225210 66	ASTM D1945 Hydrogen	7/23/2025
T-604	225210 66	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	ASTM D1945 Hydrogen	7/23/2025
T-605	225210 67	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-605	225210 67	ASTM D3416 Low Level Methane	7/23/2025
T-605	225210 67	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-606	225210 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-606	225210 68	ASTM D1945 Hydrogen	7/23/2025
T-606	225210 68	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	ASTM D1945 Hydrogen	7/23/2025
T-607	225210 69	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-607	225210 69	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-607	225210 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-608	225210 70	ASTM D3416 Low Level Methane	7/23/2025
T-608	225210 70	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-608	225210 70	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-608	225210 70	ASTM D1945 Hydrogen	7/23/2025
T-608	225210 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-609	225210 71	ASTM D1945 Hydrogen	7/23/2025
T-609	225210 71	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-609	225210 71	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-609	225210 71	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-609	225210 71	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	ASTM D1945 Hydrogen	7/23/2025
T-610	225210 72	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-610	225210 72	ASTM D3416 Low Level Methane	7/23/2025
T-610	225210 72	EPA TO-12 C2 to C12 CRYO	7/23/2025

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pressurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

SDG	Lab ID	Client Sample No.	Sample	Batch	Pressure, torr		Can
			Media		Initial	Final	Factor
225210	26	T-212	729		690	690	1.00
225210	27	T-213	503		690	690	1.00
225210	28	T-214	754		733	733	1.00
225210	29	T-301	504		703	703	1.00
225210	30	T-302	718		699	699	1.00
225210	31	T-303	800		709	709	1.00
225210	32	T-304	643		718	718	1.00
225210	33	T-305	700		678	678	1.00
225210	34	T-306	860		689	689	1.00
225210	35	T-307	760		680	680	1.00
225210	36	T-308	706		685	685	1.00
225210	37	T-309	502		674	674	1.00
225210	38	T-310	618		678	678	1.00
225210	39	T-311	182		688	688	1.00
225210	40	T-312	545		682	682	1.00
225210	41	T-313	661		679	679	1.00
225210	42	T-314	603		768	768	1.00
225210	43	T-401	882		702	702	1.00
225210	44	T-402	505		709	709	1.00
225210	45	T-403	647		707	707	1.00
225210	46	T-404	698		708	708	1.00
225210	47	T-405	673		682	682	1.00
225210	48	T-406	549		695	695	1.00
225210	49	T-407	778		694	694	1.00
225210	50	T-408	837		687	687	1.00
225210	51	T-409	766		694	694	1.00
225210	52	T-410	701		844	844	1.00
225210	53	T-501	638		718	718	1.00
225210	54	T-502	417		716	716	1.00
225210	55	T-503	792		714	714	1.00
225210	56	T-504	552		710	710	1.00
225210	57	T-505	704		709	709	1.00
225210	58	T-506	895		760	760	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
225210	59	T-507	856		703	703	1.00
225210	60	T-508	877		705	705	1.00
225210	61	T-509	640		699	699	1.00
225210	62	T-510	688		733	733	1.00
225210	63	T-601	506		718	718	1.00
225210	64	T-602	642		718	718	1.00
225210	65	T-603	990		720	720	1.00
225210	66	T-604	858		708	708	1.00
225210	67	T-605	847		707	707	1.00
225210	68	T-606	803		695	695	1.00
225210	69	T-607	899		701	701	1.00
225210	70	T-608	730		713	713	1.00
225210	71	T-609	675		708	708	1.00
225210	72	T-610	753		581	581	1.00

Laboratory Case Narrative

EAS SDG Number: 225210

Project Number: 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 8/11/2025

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

TO: Day 1

COPY

225210 17807

CE Schmidt, Ph., Environmental Consultant
Chain of Custody Record

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS													
Client Name SCS Chiquita Canyon Landfill Project Manager Pat Sullivan		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401 Laboratory Phone 805-784-3686		Laboratory Contact Dr. Steve Hoyt stevohoyt@easlab.com													
Requested Completion Date		Time		Can Pressure In (Inches Hg)		Can Pressure Out (Inches Hg)													
Station Number	Date	C	G	O	R	M	A	P	Sample ID Number	Can ID Number	Sample Container	Tube	TO-12 FID (TMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Remarks	
01	7/15/2025	X	X	X	X	X	X	X	T - 101	935	X	X	X	X	X	X	X	697	
02	7/15/2025	X	X	X	X	X	X	X	T - 102	650	X	X	X	X	X	X	X	695	
03	7/15/2025	X	X	X	X	X	X	X	T - 103	823	X	X	X	X	X	X	X	714	
04	7/15/2025	X	X	X	X	X	X	X	T - 104	881	X	X	X	X	X	X	X	701	
05	7/15/2025	X	X	X	X	X	X	X	T - 105	756	X	X	X	X	X	X	X	687	
06	7/15/2025	X	X	X	X	X	X	X	T - 106	634	X	X	X	X	X	X	X	692	
07	7/15/2025	X	X	X	X	X	X	X	T - 107	802	X	X	X	X	X	X	X	676	
08	7/15/2025	X	X	X	X	X	X	X	T - 108	553	X	X	X	X	X	X	X	681	
09	7/15/2025	X	X	X	X	X	X	X	T - 109	605	X	X	X	X	X	X	X	690	
10	7/15/2025	X	X	X	X	X	X	X	T - 110	738	X	X	X	X	X	X	X	676	
11	7/15/2025	X	X	X	X	X	X	X	T - 111	768	X	X	X	X	X	X	X	672	
12	7/15/2025	X	X	X	X	X	X	X	T - 112	897	X	X	X	X	X	X	X	676	
13	7/15/2025	X	X	X	X	X	X	X	T - 113	672	X	X	X	X	X	X	X	685	
14	7/15/2025	X	X	X	X	X	X	X	T - 114	657	X	X	X	X	X	X	X	712	
Sample		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		Date/Time: 7/15/25		HAZWOP/NEESA Y N	
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		COC	
Received by		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Ana Req	
Received by Laboratory		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Cust Seal	
Remarks		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Sample Condition	

COPY

TO-15 Day 3

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F4-02108		For Information Regarding These Samples Please Contact:		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS	
Client Name SCS Chiquita Canyon Landfill		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401 Laboratory Phone 805-781-3585		Laboratory Contact Dr. Steve Hoyt stevehoyt@easlab.com	
Project Manager Pat Sullivan		E-Mail: SCHMIDTCE@aol.com					

Requested Completion Date		Analysis Requested		Can Pressure In (Inches Hg)		Can Pressure Out (Inches)		Remarks
Station Number	Date	Time	Sample ID Number	Can ID Number	TO-12 FID (TMMHC)	TO-14 FID (See back)	TO-15 (List on back)	
29	7/17/2025	811	T - 301	504	X	X	X	703
30	7/17/2025	822	T - 302	718	X	X	X	699
31	7/17/2025	825	T - 303	800	X	X	X	709
32	7/17/2025	805	T - 304	643	X	X	X	718
33	7/17/2025	942	T - 305	700	X	X	X	678
34	7/17/2025	990	T - 306	860	X	X	X	689
35	7/17/2025	936	T - 307	160	X	X	X	680
36	7/17/2025	935	T - 308	706	X	X	X	685
37	7/17/2025	1052	T - 309	522	X	X	X	674
38	7/17/2025	1094	T - 310	613	X	X	X	678
39	7/17/2025	1042	T - 311	132	X	X	X	688
40	7/17/2025	1043	T - 312	545	X	X	X	682
41	7/17/2025	1048	T - 313	661	X	X	X	679
42	7/17/2025	1122	T - 314	603	X	X	X	768

Relinquished by <i>CE Schmidt</i>	Date/Time 7/17/25 1130A	Relinquished by <i>Pat Sullivan</i>	Date/Time 7/17/25 1130A	HAZMAP/NEESA Y N
Relinquished by <i>CE</i>	Date/Time	Relinquished by	Date/Time	QC Level 1 2 3
Relinquished by	Date/Time	Relinquished by	Date/Time	COC
Relinquished by	Date/Time	Relinquished by	Date/Time	Ana Req
Relinquished by	Date/Time	Relinquished by	Date/Time	Cust Seal
Relinquished by	Date/Time	Relinquished by	Date/Time	Sample Condition

Sample Shipped Via UPS	FEDEX	BUS	Other

Remarks

TO: Day 4

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number
CES F1-02106

Client Name
Chiquita Canyon Landfill
Project Manager
Pat Sullivan

For Information Regarding These Samples
Please Contact:
Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7696

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401
Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stehoyt@easlab.com

Requested Completion Date

Station Number	Date	Time	C O 2	G R A P	Sample ID Number	Can ID Number	Sample Container		N E S	Fixed gases	TO-15 (List on back)	TO-14 PID (See back)	TO-12 PID (TMAHC)	Can Pressure	Can Pressure	Remarks
							Vial	Tube								
43	7/18/2025	8:29	X		T - 401	582	X	X	1	X	X	X	X	27	0	702
44	7/18/2025	8:31	X		T - 402	505	X	X	1	X	X	X	X	27	0	709
45	7/18/2025	8:32	X		T - 403	647	X	X	1	X	X	X	X	27	0	707
46	7/18/2025	8:36	X		T - 404	698	X	X	1	X	X	X	X	27	0	708
47	7/18/2025	9:15	X		T - 405	673	X	X	1	X	X	X	X	27	0	687
48	7/18/2025	9:47	X		T - 406	579	X	X	1	X	X	X	X	27	0	695
49	7/18/2025	9:10	X		T - 407	718	X	X	1	X	X	X	X	27	0	694
50	7/18/2025	9:13	X		T - 408	837	X	X	1	X	X	X	X	27	0	687
51	7/18/2025	9:16	X		T - 409	766	X	X	1	X	X	X	X	27	0	694
52	7/18/2025	9:22	X		T - 410	701	X	X	1	X	X	X	X	27	0	844

Sampler

Revised by

Revised by

Revised by Laboratory

Remarks

Date/Time

Date/Time

Date/Time

Date/Time

Relinquished by

Relinquished by

Relinquished by

Relinquished by

Date/Time

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Date/Time

HAZWOP/NEESA Y N

QC Level 1 2 3

COC

Ana Req

Cust Seal

Sample Condition

Title: Chhulla (x) Forms (0.15 x/s) Form: COC TO-15 D5

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number: CES F1-02106
 Client Name: Chiquita Canyon Landfill
 Project Manager: Pat Sullivan
 Requested Completion Date: 7/23/2025

For Information Regarding These Samples
 Please Contact: Dr. Charles E. Schmidt
 19200 Live Oak Road, Red Bluff, CA 96080
 530-528-4288 Cell: 530-200-2473
 E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number
 3900 Kilroy Airport Way, Suite 100
 Long Beach, CA 90806 562-743-7895

Laboratory Name: EAS
 Laboratory Address: 173 Cross Street, San Luis Obispo, CA 93401
 Laboratory Phone: 805-781-3505
 Laboratory Contact: Dr. Steve Hoyt, slevehoi@easlab.com

Requested Completion Date			Time		Sample ID Number		Can ID Number		Analysis Requested		Can Pressure In (inches Hg)		Can Pressure Out (inches Hg)		Remarks	
Station Number	Date	Time	G	O	M	P	Sample ID Number	Can ID Number	Sample Container		TO-12 FID (MNHQ)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	
									S Vial	Can Tube						
63	7/23/2025	1:50	X				T - 601	506	X	X	X	X	X	X	718	
64	7/23/2025	2:55	X				T - 602	642	X	X	X	X	X	X	718	
65	7/23/2025	3:49	X				T - 603	940	X	X	X	X	X	X	720	
66	7/23/2025	4:56	X				T - 604	858	X	X	X	X	X	X	708	
67	7/23/2025	5:03	X				T - 605	847	X	X	X	X	X	X	707	
68	7/23/2025	5:06	X				T - 606	803	X	X	X	X	X	X	695	
69	7/23/2025	5:08	X				T - 607	844	X	X	X	X	X	X	701	
70	7/23/2025	5:50	X				T - 608	730	X	X	X	X	X	X	713	
71	7/23/2025	5:03	X				T - 609	625	X	X	X	X	X	X	708	
72	7/23/2025	5:27	X				T - 610	753	X	X	X	X	X	X	581	
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Quality Control Report

EAS SDG Number: 225210

Project Number: 17807

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different than the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B08055

File Name: B08055A
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 080525-GCLDate Sampled:
Date Analyzed: 08/05/25
Dilution Factor: 1.00
Time: 14:55

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC

Laboratory Number: B08085

File Name: B08085A
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 080525-GCL

Date Sampled: Time:
Date Analyzed: 08/08/25 Time: 13:15
Dilution Factor: 1.00

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID

Analytical Method:

ASTM D3416

Date: 08/05/25

QC_Batch: 080525-GCL

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
74-82-8	Methane	84		86		70	130	2	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID

Analytical Method:

ASTM D3416

Date: 08/08/25

QC_Batch: 080825-GCL

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	Flag
		%		%		%	%	%	%	
74-82-8	Methane	90		86		70	130	4	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less than the RL. See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater than one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.46 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 01

File Name: 2521001A
Description: T-101
Can/Tube#: 735
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 8:37
Date Analyzed: 08/05/25 Time: 15:08
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	4.58	0.50	1.50	3.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 02

File Name: 2521002A
Description: T-102
Can/Tube#: 650
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 8:38
Date Analyzed: 08/05/25 Time: 15:13
Dilution Factor: 1.55

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.32	2.38	0.51	1.52	1.56	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 03

File Name: 2521003A
Description: T-103
Can/Tube#: 823
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 8:16
Date Analyzed: 08/05/25 Time: 15:19
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	46.45	0.49	1.46	30.46	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 04

File Name: 2521004A
Description: T-104
Can/Tube#: 881
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 8:05
Date Analyzed: 08/05/25 Time: 15:25
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	3,443.00	0.50	1.50	2,257.71	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 05

File Name: 2521005A
Description: T-105
Can/Tube#: 756
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 10:05
Date Analyzed: 08/05/25 Time: 15:30
Dilution Factor: 1.57

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.36	ND	0.52	1.55	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 06

File Name: 2521006A
Description: T-106
Can/Tube#: 634
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 9:55
Date Analyzed: 08/05/25 Time: 15:36
Dilution Factor: 1.58

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.37	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 07

File Name: 2521007A
Description: T-107
Can/Tube#: 802
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 10:06
Date Analyzed: 08/05/25 Time: 15:43
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	1.62	0.49	1.46	1.06	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 08

File Name: 2521008A
Description: T-108
Can/Tube#: 553
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 9:55
Date Analyzed: 08/05/25 Time: 15:48
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	51.86	0.48	1.45	34.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 09

File Name: 2521009A
Description: T-109
Can/Tube#: 605
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 11:05
Date Analyzed: 08/05/25 Time: 15:54
Dilution Factor: 1.56

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.78	2.34	ND	0.51	1.53	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 10

File Name: 2521010A
Description: T-110
Can/Tube#: 738
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 10:55
Date Analyzed: 08/05/25 Time: 15:59
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 11

File Name: 2521011A
Description: T-111
Can/Tube#: 768
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 11:06
Date Analyzed: 08/05/25 Time: 16:05
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	2.34	0.49	1.47	1.54	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 12

File Name: 2521012A
Description: T-112
Can/Tube#: 897
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 11:16
Date Analyzed: 08/05/25 Time: 16:18
Dilution Factor: 1.82

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.91	2.74	ND	0.60	1.79	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 13

File Name: 2521013A
Description: T-113
Can/Tube#: 692
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 11:20
Date Analyzed: 08/05/25 Time: 16:20
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	199.16	0.48	1.44	130.60	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 14

File Name: 2521014A
Description: T-114
Can/Tube#: 657
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 Time: 11:44
Date Analyzed: 08/05/25 Time: 16:25
Dilution Factor: 1.59

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.38	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 15

File Name: 2521015A
Description: T-201
Can/Tube#: 846
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 8:24
Date Analyzed: 08/05/25 Time: 16:31
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 16

File Name: 2521016A
Description: T-202
Can/Tube#: 764
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 8:28
Date Analyzed: 08/05/25 Time: 16:37
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	9.40	0.48	1.44	6.16	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 17

File Name: 2521017A
Description: T-203
Can/Tube#: 690
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 8:16
Date Analyzed: 08/05/25 Time: 16:42
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.03	ND	0.44	1.33	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 18

File Name: 2521018A
Description: T-204
Can/Tube#: 531
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 8:21
Date Analyzed: 08/05/25 Time: 16:47
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	ND	0.48	1.43	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 19

File Name: 2521019A
Description: T-205
Can/Tube#: 749
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 9:24
Date Analyzed: 08/05/25 Time: 16:53
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 20

File Name: 2521020A
Description: T-206
Can/Tube#: 779
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 9:32
Date Analyzed: 08/05/25 Time: 16:58
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 21

File Name: 2521021A
Description: T-207
Can/Tube#: 672
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 9:31
Date Analyzed: 08/05/25 Time: 17:04
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 22

File Name: 2521022A
Description: T-208
Can/Tube#: 677
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 9:40
Date Analyzed: 08/05/25 Time: 16:17
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 23

File Name: 2521023A
Description: T-209
Can/Tube#: 509
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 11:05
Date Analyzed: 08/05/25 Time: 17:15
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 24

File Name: 2521024A
Description: T-210
Can/Tube#: 712
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 10:54
Date Analyzed: 08/05/25 Time: 17:20
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	ND	0.48	1.44	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 25

File Name: 2521025A
Description: T-211
Can/Tube#: 654
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 10:59
Date Analyzed: 08/05/25 Time: 17:25
Dilution Factor: 1.63

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.81	2.44	ND	0.53	1.60	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 26

File Name: 2521026A
Description: T-212
Can/Tube#: 729
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 11:00
Date Analyzed: 08/05/25 Time: 17:31
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 27

File Name: 2521027A
Description: T-213
Can/Tube#: 503
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 11:06
Date Analyzed: 08/05/25 Time: 17:36
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	ND	0.49	1.47	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 28

File Name: 2521028A
Description: T-214
Can/Tube#: 669
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 Time: 11:30
Date Analyzed: 08/05/25 Time: 17:42
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 29

File Name: 2521029A
Description: T-301
Can/Tube#: 504
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 8:11
Date Analyzed: 08/05/25 Time: 17:47
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	1.38	0.48	1.45	0.90	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 30

File Name: 2521030A
Description: T-302
Can/Tube#: 718
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 8:22
Date Analyzed: 08/05/25 Time: 17:53
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	87.40	0.48	1.45	57.31	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 31

File Name: 2521031A
Description: T-303
Can/Tube#: 800
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 8:25
Date Analyzed: 08/05/25 Time: 17:58
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	1.30	0.44	1.31	0.85	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 32

File Name: 2521032A
Description: T-304
Can/Tube#: 643
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 8:05
Date Analyzed: 08/05/25 Time: 18:04
Dilution Factor: 1.44

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.16	0.72	0.47	1.42	0.48	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 33

File Name: 2521033A
Description: T-305
Can/Tube#: 700
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 9:42
Date Analyzed: 08/05/25 Time: 18:09
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	1.59	0.49	1.48	1.05	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 34

File Name: 2521034A
Description: T-306
Can/Tube#: 860
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 9:40
Date Analyzed: 08/05/25 Time: 18:14
Dilution Factor: 1.56

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.78	2.34	338.87	0.51	1.53	222.21	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 35

File Name: 2521035A
Description: T-307
Can/Tube#: 760
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 9:36
Date Analyzed: 08/05/25 Time: 18:20
Dilution Factor: 1.58

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.37	234.11	0.52	1.55	153.52	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 36

File Name: 2521036A
Description: T-308
Can/Tube#: 706
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 9:35
Date Analyzed: 08/05/25 Time: 18:28
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	10.76	0.48	1.45	7.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 37

File Name: 2521037A
Description: T-309
Can/Tube#: 502
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 10:52
Date Analyzed: 08/05/25 Time: 18:34
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.28	0.87	0.50	1.49	0.57	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 38**

File Name: 2521038A
Description: T-310
Can/Tube#: 618
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 10:54
Date Analyzed: 08/05/25 Time: 18:40
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	1.36	0.49	1.47	0.89	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 39

File Name: 2521039A
Description: T-311
Can/Tube#: 182
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 10:46
Date Analyzed: 08/05/25 Time: 18:46
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1.47	0.49	1.46	0.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 40**

File Name: 2521040A
Description: T-312
Can/Tube#: 545
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:43
Date Analyzed: 08/05/25 **Time:** 18:54
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	ND	0.50	1.50	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 41

File Name: 2521041A
Description: T-313
Can/Tube#: 661
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 Time: 10:48
Date Analyzed: 08/05/25 Time: 18:59
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 42**

File Name: 2521042A
Description: T-314
Can/Tube#: 603
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 11:22
Date Analyzed: 08/05/25 **Time:** 19:05
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 43**

File Name: 2521043A
Description: T-401
Can/Tube#: 882
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:06
Date Analyzed: 08/05/25 **Time:** 19:11
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	1.77	0.48	1.43	1.16	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 44

File Name: 2521044A
Description: T-402
Can/Tube#: 505
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 8:11
Date Analyzed: 08/05/25 Time: 19:16
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	3.32	0.47	1.40	2.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 45**

File Name: 2521045A
Description: T-403
Can/Tube#: 647
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:13
Date Analyzed: 08/05/25 **Time:** 19:21
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	ND	0.48	1.44	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 46**

File Name: 2521046A
Description: T-404
Can/Tube#: 698
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:08
Date Analyzed: 08/05/25 **Time:** 19:27
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	2.59	0.47	1.41	1.70	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 47

File Name: 2521047A
Description: T-405
Can/Tube#: 673
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 9:15
Date Analyzed: 08/05/25 Time: 19:32
Dilution Factor: 1.60

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.80	2.40	ND	0.52	1.57	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 48

File Name: 2521048A
Description: T-406
Can/Tube#: 549
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 9:04
Date Analyzed: 08/05/25 Time: 19:38
Dilution Factor: 1.44

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.16	1.01	0.47	1.42	0.66	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210**Laboratory Number: 49**

File Name: 2521049A
Description: T-407
Can/Tube#: 778
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:10
Date Analyzed: 08/05/25 **Time:** 19:43
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	6.78	0.48	1.44	4.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 50

File Name: 2521050A
Description: T-408
Can/Tube#: 837
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 9:13
Date Analyzed: 08/05/25 Time: 19:48
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	275.25	0.49	1.46	180.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 51

File Name: 2521051A
Description: T-409
Can/Tube#: 766
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 9:16
Date Analyzed: 08/05/25 Time: 19:54
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	272.97	0.48	1.45	179.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 52

File Name: 2521052A
Description: T-410
Can/Tube#: 701
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 Time: 9:42
Date Analyzed: 08/05/25 Time: 19:59
Dilution Factor: 1.27

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.91	ND	0.42	1.25	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 53

File Name: 2521053A
Description: T-501
Can/Tube#: 638
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 10:17
Date Analyzed: 08/05/25 Time: 20:05
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 54

File Name: 2521054A
Description: T-502
Can/Tube#: 417
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 10:22
Date Analyzed: 08/05/25 Time: 20:10
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 55

File Name: 2521055A
Description: T-503
Can/Tube#: 792
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 10:15
Date Analyzed: 08/05/25 Time: 20:15
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 56

File Name: 2521056A
Description: T-504
Can/Tube#: 552
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 10:26
Date Analyzed: 08/05/25 Time: 20:21
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 57

File Name: 2521057A
Description: T-505
Can/Tube#: 704
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:26
Date Analyzed: 08/05/25 Time: 20:26
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	ND	0.48	1.43	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210**

Modified Analytical Method: ASTM D3416

Laboratory Number: 58

File Name: 2521058A
Description: T-506
Can/Tube#: 895
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:21
Date Analyzed: 08/05/25 Time: 20:32
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210**

Modified Analytical Method: ASTM D3416

Laboratory Number: 59

File Name: 2521059A
Description: T-507
Can/Tube#: 856
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:24
Date Analyzed: 08/05/25 Time: 20:37
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	ND	0.48	1.45	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 60

File Name: 2521060A
Description: T-508
Can/Tube#: 877
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:21
Date Analyzed: 08/05/25 Time: 20:43
Dilution Factor: 1.59

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.38	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210**

Modified Analytical Method: ASTM D3416

Laboratory Number: 61

File Name: 2521061A
Description: T-509
Can/Tube#: 640
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:27
Date Analyzed: 08/05/25 Time: 20:48
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 62

File Name: 2521062A
Description: T-510
Can/Tube#: 688
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 Time: 11:48
Date Analyzed: 08/05/25 Time: 20:53
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 63

File Name: 2521063A
Description: T-601
Can/Tube#: 506
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 7:50
Date Analyzed: 08/05/25 Time: 20:59
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	1.82	0.48	1.43	1.20	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 64

File Name: 2521064A
Description: T-602
Can/Tube#: 642
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 7:55
Date Analyzed: 08/05/25 Time: 21:04
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	1.65	0.45	1.34	1.08	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 65

File Name: 2521065A
Description: T-603
Can/Tube#: 990
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 7:49
Date Analyzed: 08/05/25 Time: 21:09
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1.39	0.49	1.46	0.91	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 66

File Name: 2521066A
Description: T-604
Can/Tube#: 858
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 7:56
Date Analyzed: 08/05/25 Time: 21:15
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	1.50	0.50	1.50	0.98	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 67

File Name: 2521067A
Description: T-605
Can/Tube#: 847
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 9:03
Date Analyzed: 08/05/25 Time: 21:20
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	1.57	0.48	1.44	1.03	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210****Modified Analytical Method: ASTM D3416****Laboratory Number: 68**

File Name: 2521068A
Description: T-606
Can/Tube#: 803
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 9:06
Date Analyzed: 08/05/25 **Time:** 21:26
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	1.71	0.49	1.46	1.12	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 69

File Name: 2521069A
Description: T-607
Can/Tube#: 899
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 9:08
Date Analyzed: 08/05/25 Time: 21:31
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	185.09	0.49	1.46	121.37	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210

Laboratory Number: 70

File Name: 2521070A
Description: T-608
Can/Tube#: 730
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 8:50
Date Analyzed: 08/05/25 Time: 21:36
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	348.71	0.47	1.41	228.66	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210**

Modified Analytical Method: ASTM D3416

Laboratory Number: 71

File Name: 2521071A
Description: T-609
Can/Tube#: 675
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 9:03
Date Analyzed: 08/05/25 Time: 21:42
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	213.26	0.49	1.47	139.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID**SDG: 225210**

Modified Analytical Method: ASTM D3416

Laboratory Number: 72

File Name: 2521072A
Description: T-610
Can/Tube#: 753
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 Time: 9:31
Date Analyzed: 08/05/25 Time: 21:47
Dilution Factor: 1.86

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.93	2.79	ND	0.61	1.83	ND	

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: 225210

Client Project Manager: Chuck Schmidt

Prepared For:

C.E. Schmidt

19200 Live Oak Road

Red Bluff

CA 96080

Project Number: 17807

Sample Event Date: 7/15,7/16,7/17,7/

Received Date: 7/18/2025

Report Date: 8/11/2025

Project Number: TO-12FID

PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order

Project Sample Media

Laboratory Case Narrative and Chain of Custody

Method Description (when applicable)

Quality Control Reports

Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 225210

Project Number: 17807

Client: Chuck Schmidt

Received: 7/18/2025

C.E. Schmidt

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	225210 1	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-101	225210 1	ASTM D3416 Low Level Methane	7/15/2025
T-101	225210 1	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-101	225210 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-101	225210 1	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Hydrogen	7/15/2025
T-102	225210 2	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-102	225210 2	ASTM D3416 Low Level Methane	7/15/2025
T-102	225210 2	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-102	225210 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	ASTM D1945 Hydrogen	7/15/2025
T-103	225210 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-103	225210 3	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-103	225210 3	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-103	225210 3	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	ASTM D1945 Hydrogen	7/15/2025
T-104	225210 4	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-104	225210 4	ASTM D3416 Low Level Methane	7/15/2025
T-104	225210 4	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-104	225210 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-105	225210 5	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-105	225210 5	ASTM D1945 Hydrogen	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	225210 5	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-105	225210 5	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-106	225210 6	ASTM D3416 Low Level Methane	7/15/2025
T-106	225210 6	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-106	225210 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-106	225210 6	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-107	225210 7	ASTM D1945 Hydrogen	7/15/2025
T-107	225210 7	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-107	225210 7	ASTM D3416 Low Level Methane	7/15/2025
T-107	225210 7	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-108	225210 8	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-108	225210 8	ASTM D3416 Low Level Methane	7/15/2025
T-108	225210 8	ASTM D1945 Hydrogen	7/15/2025
T-108	225210 8	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D1945 Hydrogen	7/15/2025
T-109	225210 9	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-109	225210 9	ASTM D3416 Low Level Methane	7/15/2025
T-109	225210 9	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-109	225210 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-110	225210 10	ASTM D1945 Hydrogen	7/15/2025
T-110	225210 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-110	225210 10	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-110	225210 10	ASTM D3416 Low Level Methane	7/15/2025
T-111	225210 11	ASTM D1945 Hydrogen	7/15/2025
T-111	225210 11	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-111	225210 11	ASTM D3416 Low Level Methane	7/15/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	225210 17	ASTM D1945 Hydrogen	7/16/2025
T-203	225210 17	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	ASTM D1945 Hydrogen	7/16/2025
T-204	225210 18	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-204	225210 18	ASTM D3416 Low Level Methane	7/16/2025
T-204	225210 18	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-204	225210 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-205	225210 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-205	225210 19	ASTM D3416 Low Level Methane	7/16/2025
T-205	225210 19	ASTM D1945 Hydrogen	7/16/2025
T-205	225210 19	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D1945 Hydrogen	7/16/2025
T-206	225210 20	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-206	225210 20	ASTM D3416 Low Level Methane	7/16/2025
T-206	225210 20	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-206	225210 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-207	225210 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-207	225210 21	ASTM D3416 Low Level Methane	7/16/2025
T-207	225210 21	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-207	225210 21	ASTM D1945 Hydrogen	7/16/2025
T-208	225210 22	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-208	225210 22	ASTM D3416 Low Level Methane	7/16/2025
T-208	225210 22	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-208	225210 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-208	225210 22	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-209	225210 23	ASTM D1945 Hydrogen	7/16/2025
T-209	225210 23	ASTM D1945 Permanent Gas Analysis	7/16/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	225210 23	ASTM D3416 Low Level Methane	7/16/2025
T-209	225210 23	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-210	225210 24	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-210	225210 24	ASTM D1945 Hydrogen	7/16/2025
T-210	225210 24	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-210	225210 24	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	ASTM D1945 Hydrogen	7/16/2025
T-211	225210 25	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-211	225210 25	ASTM D3416 Low Level Methane	7/16/2025
T-211	225210 25	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-211	225210 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-212	225210 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-212	225210 26	ASTM D3416 Low Level Methane	7/16/2025
T-212	225210 26	ASTM D1945 Hydrogen	7/16/2025
T-212	225210 26	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	ASTM D1945 Hydrogen	7/16/2025
T-213	225210 27	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-213	225210 27	ASTM D3416 Low Level Methane	7/16/2025
T-213	225210 27	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-213	225210 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	ASTM D1945 Hydrogen	7/16/2025
T-214	225210 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-214	225210 28	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-214	225210 28	ASTM D3416 Low Level Methane	7/16/2025
T-214	225210 28	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-301	225210 29	ASTM D1945 Hydrogen	7/17/2025
T-301	225210 29	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-301	225210 29	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	225210 29	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-301	225210 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-302	225210 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-302	225210 30	ASTM D3416 Low Level Methane	7/17/2025
T-302	225210 30	ASTM D1945 Hydrogen	7/17/2025
T-302	225210 30	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	ASTM D1945 Hydrogen	7/17/2025
T-303	225210 31	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-303	225210 31	ASTM D3416 Low Level Methane	7/17/2025
T-303	225210 31	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-303	225210 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-304	225210 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-304	225210 32	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-304	225210 32	ASTM D1945 Hydrogen	7/17/2025
T-304	225210 32	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	ASTM D1945 Hydrogen	7/17/2025
T-305	225210 33	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-305	225210 33	ASTM D3416 Low Level Methane	7/17/2025
T-305	225210 33	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-305	225210 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-306	225210 34	ASTM D3416 Low Level Methane	7/17/2025
T-306	225210 34	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-306	225210 34	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-306	225210 34	ASTM D1945 Hydrogen	7/17/2025
T-306	225210 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-307	225210 35	ASTM D1945 Hydrogen	7/17/2025
T-307	225210 35	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-307	225210 35	ASTM D3416 Low Level Methane	7/17/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	225210 35	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-307	225210 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-308	225210 36	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-308	225210 36	ASTM D1945 Hydrogen	7/17/2025
T-308	225210 36	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-308	225210 36	ASTM D3416 Low Level Methane	7/17/2025
T-308	225210 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-309	225210 37	ASTM D3416 Low Level Methane	7/17/2025
T-309	225210 37	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-309	225210 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-309	225210 37	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Hydrogen	7/17/2025
T-310	225210 38	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-310	225210 38	ASTM D3416 Low Level Methane	7/17/2025
T-310	225210 38	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-310	225210 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	ASTM D1945 Hydrogen	7/17/2025
T-311	225210 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-311	225210 39	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-311	225210 39	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-311	225210 39	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	ASTM D1945 Hydrogen	7/17/2025
T-312	225210 40	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-312	225210 40	ASTM D3416 Low Level Methane	7/17/2025
T-312	225210 40	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-312	225210 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-313	225210 41	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-313	225210 41	ASTM D1945 Permanent Gas Analysis	7/17/2025

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T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

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T-501	225210 53	ASTM D1945 Hydrogen	7/22/2025
T-501	225210 53	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-502	225210 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-502	225210 54	ASTM D1945 Hydrogen	7/22/2025
T-502	225210 54	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-502	225210 54	ASTM D3416 Low Level Methane	7/22/2025
T-502	225210 54	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-503	225210 55	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	ASTM D1945 Hydrogen	7/22/2025
T-503	225210 55	ASTM D3416 Low Level Methane	7/22/2025
T-503	225210 55	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D1945 Hydrogen	7/22/2025
T-504	225210 56	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D3416 Low Level Methane	7/22/2025
T-504	225210 56	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-504	225210 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-505	225210 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	ASTM D3416 Low Level Methane	7/22/2025
T-505	225210 57	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-505	225210 57	ASTM D1945 Hydrogen	7/22/2025
T-506	225210 58	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-506	225210 58	ASTM D3416 Low Level Methane	7/22/2025
T-506	225210 58	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-506	225210 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-506	225210 58	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-507	225210 59	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	ASTM D1945 Permanent Gas Analysis	7/22/2025

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T-507	225210 59	ASTM D3416 Low Level Methane	7/22/2025
T-507	225210 59	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-508	225210 60	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	ASTM D1945 Hydrogen	7/22/2025
T-508	225210 60	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-508	225210 60	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	ASTM D1945 Hydrogen	7/22/2025
T-509	225210 61	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-509	225210 61	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-509	225210 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-510	225210 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D3416 Low Level Methane	7/22/2025
T-510	225210 62	ASTM D1945 Hydrogen	7/22/2025
T-510	225210 62	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-601	225210 63	ASTM D1945 Hydrogen	7/23/2025
T-601	225210 63	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-601	225210 63	ASTM D3416 Low Level Methane	7/23/2025
T-601	225210 63	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-601	225210 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	ASTM D1945 Hydrogen	7/23/2025
T-602	225210 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-602	225210 64	ASTM D3416 Low Level Methane	7/23/2025
T-602	225210 64	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D1945 Hydrogen	7/23/2025
T-603	225210 65	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-603	225210 65	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-603	225210 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-604	225210 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-604	225210 66	ASTM D3416 Low Level Methane	7/23/2025
T-604	225210 66	ASTM D1945 Hydrogen	7/23/2025
T-604	225210 66	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	ASTM D1945 Hydrogen	7/23/2025
T-605	225210 67	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-605	225210 67	ASTM D3416 Low Level Methane	7/23/2025
T-605	225210 67	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-605	225210 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-606	225210 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-606	225210 68	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-606	225210 68	ASTM D1945 Hydrogen	7/23/2025
T-606	225210 68	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	ASTM D1945 Hydrogen	7/23/2025
T-607	225210 69	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-607	225210 69	ASTM D3416 Low Level Methane	7/23/2025
T-607	225210 69	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-607	225210 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-608	225210 70	ASTM D3416 Low Level Methane	7/23/2025
T-608	225210 70	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-608	225210 70	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-608	225210 70	ASTM D1945 Hydrogen	7/23/2025
T-608	225210 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-609	225210 71	ASTM D1945 Hydrogen	7/23/2025
T-609	225210 71	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-609	225210 71	ASTM D3416 Low Level Methane	7/23/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-609	225210 71	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-609	225210 71	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-610	225210 72	ASTM D1945 Hydrogen	7/23/2025
T-610	225210 72	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-610	225210 72	ASTM D3416 Low Level Methane	7/23/2025
T-610	225210 72	EPA TO-12 C2 to C12 CRYO	7/23/2025

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pressurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample	Batch	Pressure, torr		Can
			Media		Initial	Final	
225210	1	T-101		735	697	697	1.00
225210	2	T-102		650	695	695	1.00
225210	3	T-103		823	714	714	1.00
225210	4	T-104		881	701	701	1.00
225210	5	T-105		756	687	687	1.00
225210	6	T-106		634	692	692	1.00
225210	7	T-107		802	676	676	1.00
225210	8	T-108		553	681	681	1.00
225210	9	T-109		605	690	690	1.00
225210	10	T-110		738	676	676	1.00
225210	11	T-111		768	672	672	1.00
225210	12	T-112		897	676	676	1.00
225210	13	T-113		692	685	685	1.00
225210	14	T-114		657	712	712	1.00
225210	15	T-201		846	706	706	1.00
225210	16	T-202		764	700	700	1.00
225210	17	T-203		690	716	716	1.00
225210	18	T-204		531	700	700	1.00
225210	19	T-205		749	689	689	1.00
225210	20	T-206		779	699	699	1.00
225210	21	T-207		672	678	678	1.00
225210	22	T-208		677	690	690	1.00
225210	23	T-209		509	680	680	1.00
225210	24	T-210		712	692	692	1.00
225210	25	T-211		654	691	691	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
	225210 26	T-212	729		690	690	1.00
	225210 27	T-213	503		690	690	1.00
	225210 28	T-214	754		733	733	1.00
	225210 29	T-301	504		703	703	1.00
	225210 30	T-302	718		699	699	1.00
	225210 31	T-303	800		709	709	1.00
	225210 32	T-304	643		718	718	1.00
	225210 33	T-305	700		678	678	1.00
	225210 34	T-306	860		689	689	1.00
	225210 35	T-307	760		680	680	1.00
	225210 36	T-308	706		685	685	1.00
	225210 37	T-309	502		674	674	1.00
	225210 38	T-310	618		678	678	1.00
	225210 39	T-311	182		688	688	1.00
	225210 40	T-312	545		682	682	1.00
	225210 41	T-313	661		679	679	1.00
	225210 42	T-314	603		768	768	1.00
	225210 43	T-401	882		702	702	1.00
	225210 44	T-402	505		709	709	1.00
	225210 45	T-403	647		707	707	1.00
	225210 46	T-404	698		708	708	1.00
	225210 47	T-405	673		682	682	1.00
	225210 48	T-406	549		695	695	1.00
	225210 49	T-407	778		694	694	1.00
	225210 50	T-408	837		687	687	1.00
	225210 51	T-409	766		694	694	1.00
	225210 52	T-410	701		844	844	1.00
	225210 53	T-501	638		718	718	1.00
	225210 54	T-502	417		716	716	1.00
	225210 55	T-503	792		714	714	1.00
	225210 56	T-504	552		710	710	1.00
	225210 57	T-505	704		709	709	1.00
	225210 58	T-506	895		760	760	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr		Can Factor
					Initial	Final	
225210	59	T-507	856		703	703	1.00
225210	60	T-508	877		705	705	1.00
225210	61	T-509	640		699	699	1.00
225210	62	T-510	688		733	733	1.00
225210	63	T-601	506		718	718	1.00
225210	64	T-602	642		718	718	1.00
225210	65	T-603	990		720	720	1.00
225210	66	T-604	858		708	708	1.00
225210	67	T-605	847		707	707	1.00
225210	68	T-606	803		695	695	1.00
225210	69	T-607	899		701	701	1.00
225210	70	T-608	730		713	713	1.00
225210	71	T-609	675		708	708	1.00
225210	72	T-610	753		581	581	1.00

Laboratory Case Narrative

EAS SDG Number: 225210

Project Number: 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 8/11/2025

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

225210 17807

copy

TO-10 Day 1

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record		Laboratory Name	
Form Serial Number	For Information Regarding These Samples	EAS	
CES F-1-02106	Please Contact:		
Client Name	Dr. Charles E. Schmidt	Laboratory Address	
SCS	19200 Live Oak Road, Red Bluff, CA 96080	713 Cross Street	
Chiquita Canyon Landfill	530-529-4256 Cell: 530-200-2473	San Luis Obispo, CA 93401	
Project Manager	E-Mail: SCHMIDTCE@aol.com	Laboratory Phone	
Pat Sullivan		806-781-3585	
Requested Completion Date		Laboratory Contact	
		Dr. Steve Hoyt	

[illegible]

Sampler	Date/Time	Relinquished by	Date/Time	HAZWIRAP/NEESA Y N
Received by	Date/Time	Relinquished by	Date/Time	OC Level 1 2 3
Received by	Date/Time	Relinquished by	Date/Time	Ana Req
Received by Laboratory	Date/Time	Sample Shipped Via	Other	Cust Seal
Remarks		UPS FEDEX BUS		Sample Condition

CE Schmidt, Ph., Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name EAS	
Client Name SCS		Dr. Charles E. Schmidt		Analysis Requested		Laboratory Address 173 Cross Street San Luis Obispo, CA 93401	
Chiquita Canyon Landfill		19200 Live Oak Road, Red Bluff, CA 96080		Fixed gases (List on back)		Laboratory Phone 805-781-3585	
Project Manager Pat Sullivan		E-Mail: SCHMIDTCE@aol.com		1,1-DFA Tracer		Laboratory Contact Dr. Steve Hoyt steverhoyt@easlab.com	
Requested Completion Date				Can Pressure In (Inches Hg)		Remarks	
Station Number	Date	Type	C G O R M A P	Sample ID Number	Can ID Number	#	Sample Container
15	7/16/2025	824	X	T - 201	846	1	X
16	7/16/2025	838	X	T - 202	714	1	X
17	7/16/2025	836	X	T - 203	690	1	X
18	7/16/2025	881	X	T - 204	531	1	X
19	7/16/2025	924	X	T - 205	744	1	X
20	7/16/2025	932	X	T - 206	779	1	X
21	7/16/2025	931	X	T - 207	672	1	X
22	7/16/2025	940	X	T - 208	671	1	X
23	7/16/2025	1105	X	T - 209	509	1	X
24	7/16/2025	1054	X	T - 210	712	1	X
25	7/16/2025	1059	X	T - 211	654	1	X
26	7/16/2025	1100	X	T - 212	729	1	X
27	7/16/2025	1105	X	T - 213	503	1	X
28	7/16/2025	1130	X	T - 214	754	1	X
29	7/16/2025	1130	X	T - 214	754	1	X
30	7/16/2025	1130	X	T - 214	754	1	X
31	7/16/2025	1130	X	T - 214	754	1	X
32	7/16/2025	1130	X	T - 214	754	1	X
33	7/16/2025	1130	X	T - 214	754	1	X
34	7/16/2025	1130	X	T - 214	754	1	X
35	7/16/2025	1130	X	T - 214	754	1	X
36	7/16/2025	1130	X	T - 214	754	1	X
37	7/16/2025	1130	X	T - 214	754	1	X
38	7/16/2025	1130	X	T - 214	754	1	X
39	7/16/2025	1130	X	T - 214	754	1	X
40	7/16/2025	1130	X	T - 214	754	1	X
41	7/16/2025	1130	X	T - 214	754	1	X
42	7/16/2025	1130	X	T - 214	754	1	X
43	7/16/2025	1130	X	T - 214	754	1	X
44	7/16/2025	1130	X	T - 214	754	1	X
45	7/16/2025	1130	X	T - 214	754	1	X
46	7/16/2025	1130	X	T - 214	754	1	X
47	7/16/2025	1130	X	T - 214	754	1	X
48	7/16/2025	1130	X	T - 214	754	1	X
49	7/16/2025	1130	X	T - 214	754	1	X
50	7/16/2025	1130	X	T - 214	754	1	X
51	7/16/2025	1130	X	T - 214	754	1	X
52	7/16/2025	1130	X	T - 214	754	1	X
53	7/16/2025	1130	X	T - 214	754	1	X
54	7/16/2025	1130	X	T - 214	754	1	X
55	7/16/2025	1130	X	T - 214	754	1	X
56	7/16/2025	1130	X	T - 214	754	1	X
57	7/16/2025	1130	X	T - 214	754	1	X
58	7/16/2025	1130	X	T - 214	754	1	X
59	7/16/2025	1130	X	T - 214	754	1	X
60	7/16/2025	1130	X	T - 214	754	1	X
61	7/16/2025	1130	X	T - 214	754	1	X
62	7/16/2025	1130	X	T - 214	754	1	X
63	7/16/2025	1130	X	T - 214	754	1	X
64	7/16/2025	1130	X	T - 214	754	1	X
65	7/16/2025	1130	X	T - 214	754	1	X
66	7/16/2025	1130	X	T - 214	754	1	X
67	7/16/2025	1130	X	T - 214	754	1	X
68	7/16/2025	1130	X	T - 214	754	1	X
69	7/16/2025	1130	X	T - 214	754	1	X
70	7/16/2025	1130	X	T - 214	754	1	X
71	7/16/2025	1130	X	T - 214	754	1	X
72	7/16/2025	1130	X	T - 214	754	1	X
73	7/16/2025	1130	X	T - 214	754	1	X
74	7/16/2025	1130	X	T - 214	754	1	X
75	7/16/2025	1130	X	T - 214	754	1	X
76	7/16/2025	1130	X	T - 214	754	1	X
77	7/16/2025	1130	X	T - 214	754	1	X
78	7/16/2025	1130	X	T - 214	754	1	X
79	7/16/2025	1130	X	T - 214	754	1	X
80	7/16/2025	1130	X	T - 214	754	1	X
81	7/16/2025	1130	X	T - 214	754	1	X
82	7/16/2025	1130	X	T - 214	754	1	X
83	7/16/2025	1130	X	T - 214	754	1	X
84	7/16/2025	1130	X	T - 214	754	1	X
85	7/16/2025	1130	X	T - 214	754	1	X
86	7/16/2025	1130	X	T - 214	754	1	X
87	7/16/2025	1130	X	T - 214	754	1	X
88	7/16/2025	1130	X	T - 214	754	1	X
89	7/16/2025	1130	X	T - 214	754	1	X
90	7/16/2025	1130	X	T - 214	754	1	X
91	7/16/2025	1130	X	T - 214	754	1	X
92	7/16/2025	1130	X	T - 214	754	1	X
93	7/16/2025	1130	X	T - 214	754	1	X
94	7/16/2025	1130	X	T - 214	754	1	X
95	7/16/2025	1130	X	T - 214	754	1	X
96	7/16/2025	1130	X	T - 214	754	1	X
97	7/16/2025	1130	X	T - 214	754	1	X
98	7/16/2025	1130	X	T - 214	754	1	X
99	7/16/2025	1130	X	T - 214	754	1	X
100	7/16/2025	1130	X	T - 214	754	1	X

Chain of Custody Record

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

100

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D6

Quality Control Report

EAS SDG Number: 225210

Project Number: 17807

QC Narrative

Samples were analyzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different than the referenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater than ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC

Laboratory Number: B07215

File Name: B07215B

Description: METHOD BLANK

Canister:

QC_Batch: 072125-GCK

Date Sampled:

Date Analyzed: 07/21/25

Can Factor: 1.00

Air Volume: 200 ml

Time:

Time: 11:17

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: LABQC

Analytical Method: TO-14FID

Laboratory Number: B07225

File Name: B07225B

Date Sampled:

Time:

Description: METHOD BLANK

Date Analyzed: 07/22/25

Time: 1:22

Canister:

Can Factor: 1.00

QC_Batch: 072225-GCK

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-	7.50	22.50	9.39	26.50	79.49	33.16	J
TNMHC - C1	Total Non-Methane Hydrocarbons-	45.00	135.00	56.32	29.51	88.52	36.93	J

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC

Laboratory Number: B07235

File Name: B07235B

Description: METHOD BLANK

Canister:

QC_Batch: 072325-GCK

Date Sampled:

Date Analyzed: 07/23/25

Can Factor: 1.00

Air Volume: 200 ml

Time:

Time: 12:41

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: LABQC

Analytical Method: TO-14FID

Laboratory Number: B07245

File Name: B07245B
Description: METHOD BLANK
Canister:
QC_Batch: 072425-GCK

Date Sampled:
Date Analyzed: 07/24/25
Can Factor: 1.00
Air Volume: 200 ml
Time: 11:33

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC

Laboratory Number: B07255

File Name: B07255B

Description: METHOD BLANK

Canister:

QC_Batch: 072525-GCK

Date Sampled:

Date Analyzed: 07/25/25

Can Factor: 1.00

Air Volume: 200 ml

Time:

Time: 10:35

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC

Laboratory Number: B07285

File Name: B07285B

Description: METHOD BLANK

Canister:

QC_Batch: 072825-GCK

Date Sampled:

Date Analyzed: 07/28/25

Can Factor: 1.00

Air Volume: 200 ml

Time:

Time: 12:01

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07295

File Name: B07295B
Description: METHOD BLANK
Canister:
QC_Batch: 072925-GCK

Date Sampled:
Date Analyzed: 07/29/25
Can Factor: 1.00
Air Volume: 200 ml
Time: 10:44

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC

Laboratory Number: B07305

File Name: B07305B

Description: METHOD BLANK

Canister:

QC_Batch: 073025-GCK

Date Sampled:

Date Analyzed: 07/30/25

Can Factor: 1.00

Air Volume: 200 ml

Time:

Time: 11:00

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.31	2.13	6.40	4.19	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072125-GCK

Date: 07/21/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	115		125		70	130	10	25	
110-54-3	n-Hexane	108		109		70	130	1	25	
71-43-2	Benzene	124		117		70	130	6	25	
142-82-5	n-Heptane	112		113		70	130	1	25	
108-88-3	Toluene	109		114		70	130	5	25	
111-65-9	n-Octane	109		111		70	130	2	25	
108-38-3	m,p-xylene	97		107		70	130	10	25	
95-47-6	o-xylene	95		104		70	130	9	25	
108-67-8	1,3,5-Trimethylbenzene	93		111		70	130	18	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072225-GCK

Date: 07/22/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	108		110		70	130	2	25	
110-54-3	n-Hexane	104		104		70	130	1	25	
71-43-2	Benzene	119		118		70	130	1	25	
142-82-5	n-Heptane	104		95		70	130	9	25	
108-88-3	Toluene	95		82		70	130	13	25	
111-65-9	n-Octane	92		85		70	130	7	25	
108-38-3	m,p-xylene	84		75		70	130	8	25	
95-47-6	o-xylene	83		73		70	130	10	25	
108-67-8	1,3,5-Trimethylbenzene	95		84		70	130	11	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072325-GCK

Date: 07/23/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	Flag
		%		%		%	%	%	%	
109-66-0	n-Pentane	114		106		70	130	8	25	
110-54-3	n-Hexane	109		103		70	130	6	25	
71-43-2	Benzene	115		119		70	130	4	25	
142-82-5	n-Heptane	109		100		70	130	8	25	
108-88-3	Toluene	96		89		70	130	8	25	
111-65-9	n-Octane	97		89		70	130	8	25	
108-38-3	m,p-xylene	84		77		70	130	8	25	
95-47-6	o-xylene	80		76		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	81		83		70	130	3	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

QC07245A

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

7/24/2025

QC_Batch: 072425-GCK

Date: 07/24/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	112		108		70	130	4	25	
110-54-3	n-Hexane	110		105		70	130	5	25	
71-43-2	Benzene	119		116		70	130	3	25	
142-82-5	n-Heptane	103		102		70	130	1	25	
108-88-3	Toluene	89		88		70	130	2	25	
111-65-9	n-Octane	89		91		70	130	1	25	
108-38-3	m,p-xylene	76		72		70	130	4	25	
95-47-6	o-xylene	75		72		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	83		79		70	130	4	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072525-GCK

Date: 07/25/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	111		111		70	130	0	25	
110-54-3	n-Hexane	109		107		70	130	3	25	
71-43-2	Benzene	118		117		70	130	1	25	
142-82-5	n-Heptane	102		106		70	130	3	25	
108-88-3	Toluene	99		100		70	130	1	25	
111-65-9	n-Octane	92		98		70	130	6	25	
108-38-3	m,p-xylene	88		91		70	130	3	25	
95-47-6	o-xylene	87		90		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	98		102		70	130	4	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072825-GCK

Date: 07/28/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	106		106		70	130	1	25	
110-54-3	n-Hexane	101		99		70	130	3	25	
71-43-2	Benzene	118		124		70	130	6	25	
142-82-5	n-Heptane	98		94		70	130	4	25	
108-88-3	Toluene	88		82		70	130	6	25	
111-65-9	n-Octane	89		86		70	130	3	25	
108-38-3	m,p-xylene	81		80		70	130	2	25	
95-47-6	o-xylene	82		80		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	93		93		70	130	0	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072925-GCK

Date: 07/29/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	108		108		70	130	0	25	
110-54-3	n-Hexane	108		103		70	130	5	25	
71-43-2	Benzene	118		117		70	130	1	25	
142-82-5	n-Heptane	103		100		70	130	3	25	
108-88-3	Toluene	98		90		70	130	7	25	
111-65-9	n-Octane	100		95		70	130	5	25	
108-38-3	m,p-xylene	92		85		70	130	7	25	
95-47-6	o-xylene	91		85		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	98		88		70	130	10	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 073025-GCK

Date: 07/30/25

CAS#	Compound	LCS		LCD		Spike Limit		Duplicate		Flag
		Recovery	Flag	Recovery	Flag	LCL	UCL	Duplicate	Limit	
		%		%		%	%	%	%	
109-66-0	n-Pentane	116		115		70	130	1	25	
110-54-3	n-Hexane	115		111		70	130	4	25	
71-43-2	Benzene	121		120		70	130	1	25	
142-82-5	n-Heptane	114		112		70	130	2	25	
108-88-3	Toluene	108		113		70	130	5	25	
111-65-9	n-Octane	109		114		70	130	6	25	
108-38-3	m,p-xylene	95		111		70	130	15	25	
95-47-6	o-xylene	88		109		70	130	21	25	
108-67-8	1,3,5-Trimethylbenzene	90		103		70	130	13	25	

LCS- Laboratory Control Spike

LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less than the RL. See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater than one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: $UG/M3 = PPBV \times MW/24.46$ where 24.46 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 01

File Name: 2521001A
Description: T-101
Canister: 735
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 8:37
Date Analyzed: 07/21/25 Time: 16:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.14	2.47	7.40	3.88	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.44	2.41	7.23	4.41	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.43	2.30	6.90	3.29	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 02

File Name: 2521002A
Description: T-102
Canister: 650
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 8:38
Date Analyzed: 07/21/25 Time: 17:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.83	2.30	6.90	3.16	J
74-98-6	Propane	1.33	4.00	2.36	2.41	7.23	4.26	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.06	2.30	6.90	2.45	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.56	2.30	6.90	3.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.94	2.36	7.07	3.33	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.10	26.50	79.49	28.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	48.62	29.51	88.52	31.88	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 03

File Name: 2521003A
Description: T-103
Canister: 823
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 8:16
Date Analyzed: 07/21/25 Time: 18:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.64	2.47	7.40	3.25	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.49	2.30	6.90	3.43	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.83	2.19	6.57	4.10	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 04

File Name: 2521004A
Description: T-104
Canister: 881
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 8:05
Date Analyzed: 07/21/25 Time: 19:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	29.96	2.30	6.90	51.69	
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	0.87	2.30	6.90	2.50	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.09	2.30	6.90	3.13	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.85	2.35	7.04	7.60	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.64	2.34	7.02	2.99	J
108-88-3	Toluene	0.57	1.71	2.16	2.16	6.47	8.16	
592-27-8	2-Methylheptane	0.50	1.50	0.59	2.34	7.02	2.76	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.49	2.34	7.02	6.99	J
100-41-4	Ethylbenzene	0.50	1.50	1.60	2.18	6.53	6.95	
108-38-3	m,p-xylene	0.50	1.50	6.92	2.18	6.53	30.14	
100-42-5	Styrene	0.50	1.50	4.20	2.14	6.41	17.95	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.63	2.18	6.53	2.73	J
111-84-2	n-Nonane	0.44	1.33	0.91	2.34	7.01	4.80	J
98-82-8	i-Propylbenzene	0.44	1.33	4.92	2.19	6.57	24.24	
103-65-1	n-propylbenzene	0.44	1.33	12.52	2.19	6.57	61.68	
620-14-4	3-Ethyltoluene	0.44	1.33	7.69	2.19	6.57	37.88	
622-96-8	4-Ethyltoluene	0.44	1.33	1.92	2.19	6.57	9.46	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.21	2.19	6.57	5.94	J
611-14-3	2-Ethyltoluene	0.44	1.33	8.75	2.19	6.57	43.10	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	6.19	2.19	6.57	30.49	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.39	2.20	6.60	13.16	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.49	2.33	6.99	3.16	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	114.42	26.50	79.49	404.22	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	686.51	29.51	88.52	450.17	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 05

File Name: 2521005A
Description: T-105
Canister: 756
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 10:05
Date Analyzed: 07/21/25 Time: 19:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.71	2.47	7.40	5.81	J
115-07-1	Propene	1.33	4.00	2.58	2.30	6.90	4.45	J
74-98-6	Propane	1.33	4.00	5.46	2.41	7.23	9.87	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.55	2.37	7.10	4.59	J
109-67-1	1-Pentene	0.80	2.40	1.40	2.30	6.90	4.02	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	10.03	26.50	79.49	35.44	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	60.19	29.51	88.52	39.47	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID**SDG: 225210****Analytical Method: TO-14FID****Laboratory Number: 06**

File Name: 2521006A
Description: T-106
Canister: 634
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 07/21/25 **Time:** 20:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.33	J
115-07-1	Propene	1.33	4.00	1.94	2.30	6.90	3.35	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.54	2.37	7.10	4.57	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 07

File Name: 2521007A
Description: T-107
Canister: 802
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 10:06
Date Analyzed: 07/22/25 Time: 14:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.77	2.47	7.40	4.65	J
115-07-1	Propene	1.33	4.00	1.95	2.30	6.90	3.37	J
74-98-6	Propane	1.33	4.00	3.66	2.41	7.23	6.61	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.75	2.38	7.14	11.31	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.55	2.37	7.10	13.48	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.11	2.36	7.09	3.28	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.34	2.36	7.07	4.72	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.52	2.13	6.40	4.87	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.58	2.19	6.57	2.85	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.49	2.20	6.60	2.71	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.85	26.50	79.49	80.73	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	137.11	29.51	88.52	89.91	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 08

File Name: 2521008A
Description: T-108
Canister: 553
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 9:55
Date Analyzed: 07/22/25 Time: 15:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.56	2.47	7.40	4.39	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.07	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.13	2.38	7.14	2.69	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.48	2.37	7.10	7.33	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	2.27	2.36	7.09	6.70	J
646-04-8	t-2-Pentene	0.80	2.40	1.95	2.30	6.90	5.59	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.53	2.13	6.40	4.90	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.73	2.16	6.47	2.74	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.57	2.18	6.53	2.46	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.59	2.19	6.57	12.75	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.45	2.20	6.60	2.50	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.46	26.50	79.49	79.36	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	134.79	29.51	88.52	88.38	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 09

File Name: 2521009A
Description: T-109
Canister: 605
QC_Batch: 072425-GCK

Date Sampled: 07/15/25 Time: 11:05
Date Analyzed: 07/24/25 Time: 15:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.24	2.47	7.40	2.76	J
115-07-1	Propene	1.33	4.00	1.77	2.30	6.90	3.05	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.04	2.30	6.90	4.69	J
106-97-8	n-Butane	1.00	3.00	1.48	2.38	7.14	3.53	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.91	2.37	7.10	5.64	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.08	26.50	79.49	28.55	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	48.49	29.51	88.52	31.79	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 10

File Name: 2521010A
Description: T-110
Canister: 738
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 10:55
Date Analyzed: 07/22/25 Time: 17:07
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	3.48	2.30	6.90	6.00	J
74-98-6	Propane	1.33	4.00	2.23	2.41	7.23	4.04	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.88	2.38	7.14	4.47	J
624-64-6	t-2-Butene	1.00	3.00	1.42	2.30	6.90	3.26	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.22	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.90	2.30	6.90	2.57	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.12	2.36	7.07	3.97	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	10.44	26.50	79.49	36.90	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	62.66	29.51	88.52	41.09	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 11

File Name: 2521011A

Description: T-111

Canister: 768

QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 11:06

Date Analyzed: 07/22/25 Time: 17:54

Can Factor: 1.00

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	1.58	2.30	6.90	4.55	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.25	2.36	7.07	4.40	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.04	2.13	6.40	3.31	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.78	26.50	79.49	31.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	52.67	29.51	88.52	34.54	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 12

File Name: 2521012A

Description: T-112

Canister: 897

QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 11:16

Date Analyzed: 07/22/25 Time: 18:41

Can Factor: 1.00

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.10	2.30	6.91	3.57	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	13.04	2.47	7.40	16.08	
115-07-1	Propene	1.33	4.00	11.04	2.30	6.90	19.04	
74-98-6	Propane	1.33	4.00	12.32	2.41	7.23	22.27	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.43	2.30	6.90	3.28	J
106-97-8	n-Butane	1.00	3.00	4.94	2.38	7.14	11.77	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.73	2.36	7.07	2.58	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.74	2.19	6.57	8.56	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	28.96	26.50	79.49	102.30	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	173.75	29.51	88.52	113.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 13

File Name: 2521013A
Description: T-113
Canister: 692
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 Time: 11:20
Date Analyzed: 07/22/25 Time: 19:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	11.63	2.47	7.40	14.35	
115-07-1	Propene	1.33	4.00	10.28	2.30	6.90	17.73	
74-98-6	Propane	1.33	4.00	11.05	2.41	7.23	19.97	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.44	2.30	6.90	3.32	J
106-97-8	n-Butane	1.00	3.00	4.81	2.38	7.14	11.45	
624-64-6	t-2-Butene	1.00	3.00	3.43	2.30	6.90	7.89	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.09	2.30	6.90	3.14	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.19	2.36	7.07	4.19	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	28.57	26.50	79.49	100.93
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	171.41	29.51	88.52	112.40

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 14

File Name: 2521014A
Description: T-114
Canister: 657
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 Time: 11:44
Date Analyzed: 07/21/25 Time: 13:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 15

File Name: 2521015A

Description: T-201

Canister: 846

QC_Batch: 072225-GCK

Date Sampled: 07/16/25 Time: 8:24

Date Analyzed: 07/22/25 Time: 20:15

Can Factor: 1.00

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.55	2.47	7.40	3.14	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	6.16	2.41	7.23	11.14	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.80	2.30	6.90	5.17	J
109-66-0	n-Pentane	0.80	2.40	0.81	2.36	7.09	2.40	J
646-04-8	t-2-Pentene	0.80	2.40	0.89	2.30	6.90	2.54	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	0.77	2.36	7.07	2.71	J
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.77	2.36	7.07	6.25	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	11.82	26.50	79.49	41.75	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	70.90	29.51	88.52	46.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 16

File Name: 2521016A
Description: T-202
Canister: 764
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 8:28
Date Analyzed: 07/23/25 Time: 13:38
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.23	2.47	7.40	7.69	
115-07-1	Propene	1.33	4.00	1.38	2.30	6.90	2.38	J
74-98-6	Propane	1.33	4.00	3.68	2.41	7.23	6.65	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.85	2.38	7.14	4.41	J
624-64-6	t-2-Butene	1.00	3.00	1.15	2.30	6.90	2.64	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	0.86	2.36	7.09	2.54	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.75	2.19	6.57	3.67	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.36	26.50	79.49	43.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	74.19	29.51	88.52	48.65	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 17

File Name: 2521017A
Description: T-203
Canister: 690
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 8:16
Date Analyzed: 07/23/25 Time: 14:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.30	2.47	7.40	2.83	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.41	2.41	7.23	2.54	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	0.96	2.37	7.10	2.85	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	2.47	2.30	6.90	7.09	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.17	2.36	7.07	4.12	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.07	2.35	7.04	4.40	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.70	26.50	79.49	34.27	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	58.20	29.51	88.52	38.16	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 18

File Name: 2521018A
Description: T-204
Canister: 531
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 8:21
Date Analyzed: 07/23/25 Time: 15:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.75	2.47	7.40	3.39	J
115-07-1	Propene	1.33	4.00	1.54	2.30	6.90	2.65	J
74-98-6	Propane	1.33	4.00	2.05	2.41	7.23	3.70	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.72	2.38	7.14	4.10	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.10	2.37	7.10	6.22	J
109-67-1	1-Pentene	0.80	2.40	1.06	2.30	6.90	3.06	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.89	2.36	7.07	3.15	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.52	26.50	79.49	33.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	57.12	29.51	88.52	37.45	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 19

File Name: 2521019A

Description: T-205

Canister: 749

QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 9:24

Date Analyzed: 07/23/25 Time: 16:19

Can Factor: 1.00

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.94	2.47	7.40	3.63	J
115-07-1	Propene	1.33	4.00	2.89	2.30	6.90	4.99	J
74-98-6	Propane	1.33	4.00	5.21	2.41	7.23	9.41	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.09	2.30	6.90	4.80	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.45	2.19	6.57	2.19	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.69	2.19	6.57	3.42	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.68	2.20	6.60	3.73	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.90	2.20	6.60	4.95	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	15.53	26.50	79.49	54.85	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	93.16	29.51	88.52	61.09	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 20

File Name: 2521020A
Description: T-206
Canister: 779
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 9:32
Date Analyzed: 07/23/25 Time: 17:19
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.29	2.38	7.14	5.45	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.26	2.36	7.07	4.47	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.93	2.13	6.40	2.97	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.52	2.19	6.57	2.59	J
124-18-5	n-Decane	0.40	1.20	1.01	2.33	7.00	5.87	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.61	2.20	6.60	3.33	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.04	26.50	79.49	31.93	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	54.23	29.51	88.52	35.56	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 21

File Name: 2521021A
Description: T-207
Canister: 672
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 9:31
Date Analyzed: 07/23/25 Time: 18:05
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.87	2.30	6.90	4.95	J
74-98-6	Propane	1.33	4.00	2.29	2.41	7.23	4.14	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.00	2.38	7.14	4.77	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.35	2.36	7.07	4.76	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.93	2.13	6.40	9.37	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.65	2.35	7.04	2.66	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.01	2.16	6.47	3.82	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.71	2.18	6.53	3.10	J
108-38-3	m,p-xylene	0.50	1.50	1.84	2.18	6.53	8.02	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.00	2.19	6.57	4.91	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	1.09	2.33	7.00	6.38	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	21.09	26.50	79.49	74.50	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	126.53	29.51	88.52	82.97	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 22

File Name: 2521022A
Description: T-208
Canister: 677
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 9:40
Date Analyzed: 07/23/25 Time: 18:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.03	2.36	7.07	3.63	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 23

File Name: 2521023A
Description: T-209
Canister: 509
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 11:05
Date Analyzed: 07/23/25 Time: 19:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.18	2.30	6.90	3.76	J
74-98-6	Propane	1.33	4.00	1.90	2.41	7.23	3.44	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.88	2.30	6.90	2.52	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.48	2.36	7.07	5.24	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	9.38	2.13	6.40	30.04	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.39	2.35	7.04	5.70	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.39	2.34	7.02	6.50	J
108-88-3	Toluene	0.57	1.71	1.28	2.16	6.47	4.81	J
592-27-8	2-Methylheptane	0.50	1.50	0.59	2.34	7.02	2.75	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.62	2.34	7.02	7.59	
100-41-4	Ethylbenzene	0.50	1.50	0.59	2.18	6.53	2.57	J
108-38-3	m,p-xylene	0.50	1.50	1.20	2.18	6.53	5.21	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.21	2.19	6.57	5.96	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.79	2.19	6.57	3.91	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.48	2.19	6.57	2.36	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.53	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.86	2.19	6.57	9.18	
124-18-5	n-Decane	0.40	1.20	1.15	2.33	7.00	6.70	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	36.97	26.50	79.49	130.60
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	221.81	29.51	88.52	145.45

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 24

File Name: 2521024A
Description: T-210
Canister: 712
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 Time: 10:54
Date Analyzed: 07/23/25 Time: 20:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.43	2.30	6.91	2.80	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.67	2.30	6.90	2.89	J
74-98-6	Propane	1.33	4.00	2.21	2.41	7.23	4.00	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.32	2.38	7.14	3.15	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.57	2.37	7.10	7.60	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.00	2.36	7.07	3.52	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.86	2.35	7.04	3.52	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.48	2.19	6.57	2.35	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.55	2.20	6.60	3.03	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.95	26.50	79.49	45.76	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	77.71	29.51	88.52	50.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 25

File Name: 2521025A
Description: T-211
Canister: 654
QC_Batch: 073025-GCK

Date Sampled: 07/16/25 Time: 10:59
Date Analyzed: 07/30/25 Time: 20:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.51	2.30	6.91	2.89	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.54	2.47	7.40	6.83	J
115-07-1	Propene	1.33	4.00	2.56	2.30	6.90	4.42	J
74-98-6	Propane	1.33	4.00	1.83	2.41	7.23	3.31	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.73	2.38	7.14	4.13	J
624-64-6	t-2-Butene	1.00	3.00	1.22	2.30	6.90	2.81	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.55	2.37	7.10	7.54	
109-67-1	1-Pentene	0.80	2.40	1.91	2.30	6.90	5.48	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.08	2.13	6.40	6.65	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.73	2.35	7.04	2.99	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.69	2.19	6.57	3.38	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.54	2.19	6.57	2.68	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.81	2.20	6.60	4.44	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	17.85	26.50	79.49	63.06	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	107.10	29.51	88.52	70.23	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 26

File Name: 2521026A
Description: T-212
Canister: 729
QC_Batch: 072425-GCK

Date Sampled: 07/16/25 Time: 11:00
Date Analyzed: 07/24/25 Time: 17:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.24	2.30	6.90	2.85	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.32	2.35	7.04	5.43	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.67	2.34	7.02	3.12	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.36	2.18	6.53	5.93	J
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.91	2.14	6.41	3.89	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.51	2.18	6.53	2.22	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.73	2.19	6.57	3.59	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.21	2.19	6.57	5.97	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.80	2.19	6.57	3.94	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.57	2.20	6.60	3.14	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.47	2.20	6.60	2.58	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	19.46	26.50	79.49	68.77	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	116.79	29.51	88.52	76.58	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 27

File Name: 2521027A
Description: T-213
Canister: 503
QC_Batch: 072425-GCK

Date Sampled: 07/16/25 Time: 11:06
Date Analyzed: 07/24/25 Time: 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.50	2.38	7.14	3.58	J
624-64-6	t-2-Butene	1.00	3.00	1.02	2.30	6.90	2.34	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.44	2.35	7.04	5.92	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.63	2.18	6.53	2.76	J
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.56	2.14	6.41	2.39	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.82	2.19	6.57	4.03	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.45	2.19	6.57	7.12	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.57	2.19	6.57	2.83	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	13.59	26.50	79.49	48.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	81.53	29.51	88.52	53.46	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 28

File Name: 2521028A
Description: T-214
Canister: 754
QC_Batch: 072125-GCK

Date Sampled: 07/16/25 Time: 11:30
Date Analyzed: 07/21/25 Time: 14:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.86	2.30	6.90	3.20	J
74-98-6	Propane	1.33	4.00	2.15	2.41	7.23	3.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.64	2.38	7.14	3.91	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.24	2.37	7.10	6.63	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 29

File Name: 2521029A
Description: T-301
Canister: 504
QC_Batch: 072425-GCK

Date Sampled: 07/17/25 Time: 8:11
Date Analyzed: 07/24/25 Time: 19:21
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.60	2.47	7.40	3.21	J
115-07-1	Propene	1.33	4.00	2.10	2.30	6.90	3.63	J
74-98-6	Propane	1.33	4.00	3.10	2.41	7.23	5.61	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.23	2.38	7.14	5.30	J
624-64-6	t-2-Butene	1.00	3.00	1.24	2.30	6.90	2.85	J
590-18-1	c-2-Butene	1.00	3.00	3.28	2.30	6.90	7.55	
78-78-4	i-Pentane	0.80	2.40	2.80	2.37	7.10	8.28	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	13.29	2.36	7.07	46.94	
96-14-0	3-Methylpentane	0.67	2.00	8.18	2.36	7.07	28.88	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.79	2.13	6.40	2.52	J
110-82-7	Cyclohexane	0.67	2.00	4.91	2.30	6.90	16.93	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	2.80	2.35	7.04	11.51	
589-34-4	3-Methylhexane	0.57	1.71	1.50	2.35	7.04	6.15	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.45	2.34	7.02	6.78	J
142-82-5	n-Heptane	0.57	1.71	1.09	2.35	7.04	4.49	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	1.05	2.18	6.53	4.58	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.79	2.18	6.53	3.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.16	2.19	6.57	5.72	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.49	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.78	2.19	6.57	3.83	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	3.40	2.20	6.60	18.71	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	60.60	26.50	79.49	214.07	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	363.57	29.51	88.52	238.41	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 30

File Name: 2521030A
Description: T-302
Canister: 718
QC_Batch: 072425-GCK

Date Sampled: 07/17/25 Time: 8:22
Date Analyzed: 07/24/25 Time: 20:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.85	2.47	7.40	3.52	J
115-07-1	Propene	1.33	4.00	3.02	2.30	6.90	5.21	J
74-98-6	Propane	1.33	4.00	14.77	2.41	7.23	26.69	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	10.98	2.38	7.14	26.14	
624-64-6	t-2-Butene	1.00	3.00	1.55	2.30	6.90	3.56	J
590-18-1	c-2-Butene	1.00	3.00	1.84	2.30	6.90	4.23	J
78-78-4	i-Pentane	0.80	2.40	2.63	2.37	7.10	7.78	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	3.00	2.36	7.09	8.87	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.45	2.36	7.07	5.13	J
287-92-3	Cyclopentane	0.80	2.40	1.69	2.30	6.90	4.85	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.87	2.36	7.07	6.61	J
96-14-0	3-Methylpentane	0.67	2.00	2.36	2.36	7.07	8.33	
110-54-3	n-Hexane	0.67	2.00	0.83	2.36	7.07	2.95	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.75	2.35	7.04	3.07	J
71-43-2	Benzene	0.67	2.00	1.15	2.13	6.40	3.67	J
110-82-7	Cyclohexane	0.67	2.00	2.60	2.30	6.90	8.97	
591-76-4	2-Methylhexane	0.57	1.71	0.64	2.35	7.04	2.64	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.49	2.35	7.04	6.11	J
589-34-4	3-Methylhexane	0.57	1.71	1.84	2.35	7.04	7.54	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	2.33	2.34	7.02	10.90	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	1.16	2.30	6.90	4.67	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.84	2.34	7.02	3.93	J
108-88-3	Toluene	0.57	1.71	1.38	2.16	6.47	5.19	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.63	2.18	6.53	2.76	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.65	2.19	6.57	3.23	J
103-65-1	n-propylbenzene	0.44	1.33	1.74	2.19	6.57	8.56	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.40	2.19	6.57	6.89	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.65	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.88	2.19	6.57	9.25	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.58	2.20	6.60	3.20	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	62.48	26.50	79.49	220.73	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	374.88	29.51	88.52	245.83	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 31

File Name: 2521031A
Description: T-303
Canister: 800
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 8:25
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.67	2.47	7.40	3.29	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.75	2.13	6.40	2.41	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 32

File Name: 2521032A
Description: T-304
Canister: 643
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 8:05
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	5.51	2.30	6.91	6.34	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.76	2.47	7.40	5.87	J
115-07-1	Propene	1.33	4.00	1.64	2.30	6.90	2.84	J
74-98-6	Propane	1.33	4.00	2.96	2.41	7.23	5.35	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.23	2.30	6.90	2.84	J
106-97-8	n-Butane	1.00	3.00	2.70	2.38	7.14	6.43	J
624-64-6	t-2-Butene	1.00	3.00	1.56	2.30	6.90	3.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.48	2.37	7.10	13.27	
109-67-1	1-Pentene	0.80	2.40	0.81	2.30	6.90	2.34	J
109-66-0	n-Pentane	0.80	2.40	0.83	2.36	7.09	2.45	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	2.14	2.30	6.90	7.39	
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.86	2.13	6.40	2.77	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.63	2.19	6.57	3.09	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.59	2.20	6.60	8.76	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.64	26.50	79.49	79.97	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	135.82	29.51	88.52	89.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 33

File Name: 2521033A
Description: T-305
Canister: 700
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 9:42
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.46	2.47	7.40	3.04	J
115-07-1	Propene	1.33	4.00	2.50	2.30	6.90	4.31	J
74-98-6	Propane	1.33	4.00	3.80	2.41	7.23	6.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.03	2.38	7.14	2.46	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.37	2.37	7.10	9.98	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	3.64	2.30	6.90	10.45	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	4.19	2.36	7.07	14.80	
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	0.74	2.30	6.90	2.57	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.15	2.13	6.40	3.68	J
110-82-7	Cyclohexane	0.67	2.00	4.35	2.30	6.90	15.00	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.82	2.35	7.04	7.49	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.76	2.34	7.02	3.54	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	2.27	2.16	6.47	8.58	
592-27-8	2-Methylheptane	0.50	1.50	0.54	2.34	7.02	2.52	J
589-81-1	3-Methylheptane	0.50	1.50	1.79	2.34	7.02	8.36	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	2.81	2.18	6.53	12.24	
108-38-3	m,p-xylene	0.50	1.50	0.77	2.18	6.53	3.35	J
100-42-5	Styrene	0.50	1.50	0.94	2.14	6.41	4.01	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.56	2.19	6.57	7.68	
622-96-8	4-Ethyltoluene	0.44	1.33	2.23	2.19	6.57	10.97	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.97	2.19	6.57	9.70	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	7.60	2.19	6.57	37.44	
124-18-5	n-Decane	0.40	1.20	0.82	2.33	7.00	4.81	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	23.91	2.20	6.60	131.52	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.61	2.33	6.99	3.93	J
112-40-3	Dodecane	0.33	1.00	1.90	2.33	6.98	13.28	

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	106.63	26.50	79.49	376.70
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	639.77	29.51	88.52	419.52

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 34

File Name: 2521034A
Description: T-306
Canister: 860
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 9:40
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.04	2.30	6.91	2.35	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.52	2.47	7.40	4.34	J
115-07-1	Propene	1.33	4.00	2.36	2.30	6.90	4.07	J
74-98-6	Propane	1.33	4.00	3.41	2.41	7.23	6.17	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.68	2.30	6.90	3.85	J
106-97-8	n-Butane	1.00	3.00	1.10	2.38	7.14	2.62	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.25	2.37	7.10	9.61	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.82	2.36	7.07	6.45	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.18	2.13	6.40	6.99	
110-82-7	Cyclohexane	0.67	2.00	0.72	2.30	6.90	2.49	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	2.81	2.34	7.02	13.17	
100-41-4	Ethylbenzene	0.50	1.50	3.55	2.18	6.53	15.47	
108-38-3	m,p-xylene	0.50	1.50	14.42	2.18	6.53	62.76	
100-42-5	Styrene	0.50	1.50	0.58	2.14	6.41	2.48	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	5.84	2.18	6.53	25.41	
111-84-2	n-Nonane	0.44	1.33	7.32	2.34	7.01	38.50	
98-82-8	i-Propylbenzene	0.44	1.33	0.98	2.19	6.57	4.84	J
103-65-1	n-propylbenzene	0.44	1.33	0.71	2.19	6.57	3.47	J
620-14-4	3-Ethyltoluene	0.44	1.33	1.08	2.19	6.57	5.34	J
622-96-8	4-Ethyltoluene	0.44	1.33	3.53	2.19	6.57	17.41	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.41	2.19	6.57	6.93	
611-14-3	2-Ethyltoluene	0.44	1.33	1.33	2.19	6.57	6.53	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.77	2.19	6.57	8.72	
124-18-5	n-Decane	0.40	1.20	1.61	2.33	7.00	9.40	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	86.48	26.50	79.49	305.51
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	518.88	29.51	88.52	340.25

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 35

File Name: 2521035A
Description: T-307
Canister: 760
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 9:36
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	6.98	2.30	6.91	8.04	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.93	2.47	7.40	8.55	
115-07-1	Propene	1.33	4.00	5.31	2.30	6.90	9.16	
74-98-6	Propane	1.33	4.00	16.84	2.41	7.23	30.44	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	18.89	2.38	7.14	44.97	
624-64-6	t-2-Butene	1.00	3.00	1.61	2.30	6.90	3.70	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.55	2.30	6.90	4.47	J
109-66-0	n-Pentane	0.80	2.40	9.38	2.36	7.09	27.70	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.37	2.36	7.07	4.83	J
287-92-3	Cyclopentane	0.80	2.40	1.83	2.30	6.90	5.25	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.31	2.36	7.07	8.14	
96-14-0	3-Methylpentane	0.67	2.00	3.46	2.36	7.07	12.23	
110-54-3	n-Hexane	0.67	2.00	2.73	2.36	7.07	9.63	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.40	2.35	7.04	5.73	J
71-43-2	Benzene	0.67	2.00	1.78	2.13	6.40	5.71	J
110-82-7	Cyclohexane	0.67	2.00	5.04	2.30	6.90	17.39	
591-76-4	2-Methylhexane	0.57	1.71	1.47	2.35	7.04	6.05	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.46	2.35	7.04	5.98	J
589-34-4	3-Methylhexane	0.57	1.71	2.86	2.35	7.04	11.73	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.69	2.34	7.02	7.91	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	1.00	2.30	6.90	4.02	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.68	2.34	7.02	3.19	J
108-88-3	Toluene	0.57	1.71	1.01	2.16	6.47	3.83	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.67	2.18	6.53	2.93	J
100-42-5	Styrene	0.50	1.50	0.59	2.14	6.41	2.50	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.16	2.18	6.53	5.03	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.89	2.19	6.57	14.26	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.88	2.19	6.57	4.33	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.83	2.19	6.57	4.08	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.43	2.20	6.60	13.37	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	86.16	26.50	79.49	304.39	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	516.96	29.51	88.52	338.99	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 36

File Name: 2521036A
Description: T-308
Canister: 706
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 9:35
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.53	2.30	6.91	4.07	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.59	2.47	7.40	3.19	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.77	2.30	6.90	4.07	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.89	2.36	7.07	3.15	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.72	2.35	7.04	2.94	J
71-43-2	Benzene	0.67	2.00	0.81	2.13	6.40	2.58	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.47	26.50	79.49	29.93	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	50.84	29.51	88.52	33.34	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 37

File Name: 2521037A
Description: T-309
Canister: 502
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 10:52
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.30	2.30	6.91	2.65	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.34	J
115-07-1	Propene	1.33	4.00	3.16	2.30	6.90	5.46	J
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.07	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.59	2.38	7.14	6.17	J
624-64-6	t-2-Butene	1.00	3.00	1.96	2.30	6.90	4.50	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.74	2.37	7.10	5.16	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.83	2.36	7.07	2.92	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.04	2.13	6.40	3.33	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.46	2.35	7.04	5.99	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.58	2.18	6.53	2.50	J
111-84-2	n-Nonane	0.44	1.33	0.77	2.34	7.01	4.04	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.94	2.19	6.57	9.58	
620-14-4	3-Ethyltoluene	0.44	1.33	0.72	2.19	6.57	3.54	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.33	2.19	6.57	6.54	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.08	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.57	2.19	6.57	2.82	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.88	2.19	6.57	4.33	J
124-18-5	n-Decane	0.40	1.20	1.63	2.33	7.00	9.52	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.62	2.33	6.99	3.99	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	29.13	26.50	79.49	102.89	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	174.75	29.51	88.52	114.59	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID**SDG: 225210****Analytical Method: TO-14FID****Laboratory Number: 38**

File Name: 2521038A
Description: T-310
Canister: 618
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 10:54
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.71	2.47	7.40	4.58	J
115-07-1	Propene	1.33	4.00	2.23	2.30	6.90	3.84	J
74-98-6	Propane	1.33	4.00	2.20	2.41	7.23	3.98	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.57	2.30	6.90	3.62	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.89	2.37	7.10	14.46	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.50	2.13	6.40	8.00	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.88	2.35	7.04	3.61	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.70	2.35	7.04	2.88	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.12	2.34	7.02	5.26	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.80	2.19	6.57	8.86	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.64	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	21.74	26.50	79.49	76.79	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	130.43	29.51	88.52	85.53	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 39

File Name: 2521039A
Description: T-311
Canister: 182
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 Time: 10:46
Date Analyzed: 07/25/25 Time: 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.98	2.30	6.90	3.41	J
74-98-6	Propane	1.33	4.00	3.00	2.41	7.23	5.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.35	2.30	6.90	3.87	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.52	2.19	6.57	12.44	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.49	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.69	2.20	6.60	3.78	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.17	26.50	79.49	43.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	73.04	29.51	88.52	47.90	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 40

File Name: 2521040A
Description: T-312
Canister: 545
QC_Batch: 072825-GCK

Date Sampled: 07/17/25 Time: 10:43
Date Analyzed: 07/28/25 Time: 14:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.14	2.30	6.91	3.62	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.67	2.47	7.40	4.53	J
115-07-1	Propene	1.33	4.00	4.04	2.30	6.90	6.96	
74-98-6	Propane	1.33	4.00	2.98	2.41	7.23	5.39	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	3.67	2.38	7.14	8.73	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	8.07	2.37	7.10	23.88	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	2.24	2.36	7.07	7.93	
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.35	2.36	7.07	4.75	J
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	4.19	2.30	6.90	14.45	
108-08-7	2,4-Dimethylpentane	0.57	1.71	24.12	2.35	7.04	99.03	
71-43-2	Benzene	0.67	2.00	1.73	2.13	6.40	5.54	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.19	2.35	7.04	4.91	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	10.96	2.35	7.04	45.01	
589-34-4	3-Methylhexane	0.57	1.71	1.61	2.35	7.04	6.61	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	3.59	2.35	7.04	14.74	
108-87-2	Methylcyclohexane	0.57	1.71	13.38	2.30	6.90	53.85	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.61	2.34	7.02	2.86	J
108-88-3	Toluene	0.57	1.71	4.55	2.16	6.47	17.18	
592-27-8	2-Methylheptane	0.50	1.50	2.25	2.34	7.02	10.54	
589-81-1	3-Methylheptane	0.50	1.50	1.34	2.34	7.02	6.28	J
111-65-9	n-Octane	0.50	1.50	5.71	2.34	7.02	26.74	
100-41-4	Ethylbenzene	0.50	1.50	5.31	2.18	6.53	23.12	
108-38-3	m,p-xylene	0.50	1.50	23.33	2.18	6.53	101.53	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	10.91	2.18	6.53	47.51	
111-84-2	n-Nonane	0.44	1.33	65.16	2.34	7.01	342.63	
98-82-8	i-Propylbenzene	0.44	1.33	5.29	2.19	6.57	26.04	
103-65-1	n-propylbenzene	0.44	1.33	4.86	2.19	6.57	23.92	
620-14-4	3-Ethyltoluene	0.44	1.33	6.02	2.19	6.57	29.64	
622-96-8	4-Ethyltoluene	0.44	1.33	14.88	2.19	6.57	73.30	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	86.88	2.19	6.57	427.97	
611-14-3	2-Ethyltoluene	0.44	1.33	46.26	2.19	6.57	227.91	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	23.98	2.19	6.57	118.15	
124-18-5	n-Decane	0.40	1.20	172.44	2.33	7.00	1,005.64	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	7.24	2.19	6.57	35.65	
141-93-5	1,3-Diethylbenzene	0.40	1.20	28.24	2.20	6.60	155.34	
105-05-5	1,4-Diethylbenzene	0.40	1.20	22.61	2.20	6.60	124.34	
1120-21-4	Undecane	0.36	1.09	31.67	2.33	6.99	202.86	
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	980.77	26.50	79.49	3,464.84	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	5,884.60	29.51	88.52	3,858.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 41

File Name: 2521041A
Description: T-313
Canister: 661
QC_Batch: 072825-GCK

Date Sampled: 07/17/25 Time: 10:48
Date Analyzed: 07/28/25 Time: 14:54
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.08	2.47	7.40	3.80	J
115-07-1	Propene	1.33	4.00	2.55	2.30	6.90	4.40	J
74-98-6	Propane	1.33	4.00	2.76	2.41	7.23	4.99	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.42	2.38	7.14	5.75	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.63	2.37	7.10	4.81	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	1.58	2.30	6.90	4.55	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.95	2.36	7.07	3.34	J
110-54-3	n-Hexane	0.67	2.00	1.24	2.36	7.07	4.38	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.60	2.19	6.57	2.97	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.62	2.19	6.57	7.97	
124-18-5	n-Decane	0.40	1.20	1.77	2.33	7.00	10.31	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.90	2.33	6.99	5.77	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	21.95	26.50	79.49	77.55	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	131.72	29.51	88.52	86.37	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 42

File Name: 2521042A
Description: T-314
Canister: 603
QC_Batch: 072125-GCK

Date Sampled: 07/17/25 Time: 11:22
Date Analyzed: 07/21/25 Time: 15:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 43

File Name: 2521043A
Description: T-401
Canister: 882
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 8:06
Date Analyzed: 07/28/25 Time: 15:59
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.39	2.30	6.91	3.91	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.73	2.47	7.40	4.60	J
115-07-1	Propene	1.33	4.00	2.48	2.30	6.90	4.28	J
74-98-6	Propane	1.33	4.00	4.05	2.41	7.23	7.32	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.06	2.30	6.90	4.74	J
106-97-8	n-Butane	1.00	3.00	1.23	2.38	7.14	2.94	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.29	2.37	7.10	3.81	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.96	2.36	7.09	5.78	J
646-04-8	t-2-Pentene	0.80	2.40	2.21	2.30	6.90	6.35	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.87	2.36	7.07	3.06	J
110-54-3	n-Hexane	0.67	2.00	0.95	2.36	7.07	3.37	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.47	2.13	6.40	4.70	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.98	2.18	6.53	4.25	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.64	2.33	7.00	3.73	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	1.18	2.19	6.57	5.79	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	21.40	26.50	79.49	75.61	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	128.41	29.51	88.52	84.20	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 44

File Name: 2521044A
Description: T-402
Canister: 505
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 8:11
Date Analyzed: 07/28/25 Time: 16:51
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	7.59	2.47	7.40	9.36	
115-07-1	Propene	1.33	4.00	1.98	2.30	6.90	3.42	J
74-98-6	Propane	1.33	4.00	3.24	2.41	7.23	5.85	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.28	2.30	6.90	2.93	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.65	2.34	7.02	3.05	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	2.91	2.18	6.53	12.67	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.55	2.20	6.60	3.02	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.05	26.50	79.49	49.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	84.29	29.51	88.52	55.27	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 45

File Name: 2521045A
Description: T-403
Canister: 647
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 8:13
Date Analyzed: 07/28/25 Time: 17:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.55	2.30	6.90	3.57	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.82	2.30	6.90	2.36	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 46

File Name: 2521046A
Description: T-404
Canister: 698
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 8:08
Date Analyzed: 07/28/25 Time: 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.09	2.47	7.40	6.28	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.36	2.41	7.23	4.27	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.80	2.36	7.07	2.83	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 47

File Name: 2521047A
Description: T-405
Canister: 673
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 9:15
Date Analyzed: 07/28/25 Time: 19:22
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.68	2.30	6.91	3.09	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.96	2.47	7.40	3.65	J
115-07-1	Propene	1.33	4.00	2.80	2.30	6.90	4.83	J
74-98-6	Propane	1.33	4.00	2.33	2.41	7.23	4.22	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.00	2.30	6.90	4.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.73	2.37	7.10	5.12	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.93	2.30	6.90	2.68	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.81	2.36	7.07	2.87	J
110-54-3	n-Hexane	0.67	2.00	0.91	2.36	7.07	3.23	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.47	2.13	6.40	4.72	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.42	2.35	7.04	5.84	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.91	26.50	79.49	52.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	89.47	29.51	88.52	58.67	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 48

File Name: 2521048A

Description: T-406

Canister: 549

QC_Batch: 072825-GCK

Date Sampled: 07/18/25 Time: 9:04

Date Analyzed: 07/28/25 Time: 20:08

Can Factor: 1.00

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.73	2.30	6.91	4.29	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.63	2.30	6.90	2.81	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.19	2.30	6.90	2.73	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.73	2.36	7.07	2.58	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 49

File Name: 2521049A
Description: T-407
Canister: 778
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 Time: 9:10
Date Analyzed: 07/29/25 Time: 11:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.32	2.47	7.40	5.32	J
115-07-1	Propene	1.33	4.00	2.05	2.30	6.90	3.54	J
74-98-6	Propane	1.33	4.00	2.14	2.41	7.23	3.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.07	2.30	6.90	2.45	J
106-97-8	n-Butane	1.00	3.00	2.47	2.38	7.14	5.88	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.95	2.37	7.10	5.76	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.76	2.13	6.40	2.42	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.81	2.19	6.57	4.00	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	12.49	26.50	79.49	44.13	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	74.96	29.51	88.52	49.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 50

File Name: 2521050A
Description: T-408
Canister: 837
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 Time: 9:13
Date Analyzed: 07/29/25 Time: 12:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.71	2.47	7.40	7.04	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.63	2.41	7.23	13.79	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.41	2.30	6.90	5.54	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.72	2.37	7.10	13.98	
109-67-1	1-Pentene	0.80	2.40	0.90	2.30	6.90	2.60	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.74	2.13	6.40	2.38	J
110-82-7	Cyclohexane	0.67	2.00	0.76	2.30	6.90	2.63	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.46	2.20	6.60	2.51	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	19.85	26.50	79.49	70.14	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	119.12	29.51	88.52	78.11	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 51

File Name: 2521051A
Description: T-409
Canister: 766
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 Time: 9:16
Date Analyzed: 07/29/25 Time: 13:25
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.93	2.47	7.40	3.61	J
115-07-1	Propene	1.33	4.00	1.43	2.30	6.90	2.47	J
74-98-6	Propane	1.33	4.00	6.86	2.41	7.23	12.40	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.19	2.38	7.14	2.83	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.21	2.37	7.10	12.47	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.68	2.36	7.07	2.42	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.01	2.13	6.40	3.22	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.40	2.20	6.60	2.23	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	16.62	26.50	79.49	58.71	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	99.72	29.51	88.52	65.39	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 52

File Name: 2521052A
Description: T-410
Canister: 701
QC_Batch: 072125-GCK

Date Sampled: 07/18/25 Time: 9:42
Date Analyzed: 07/21/25 Time: 16:02
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 53

File Name: 2521053A
Description: T-501
Canister: 638
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 10:17
Date Analyzed: 07/29/25 Time: 14:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.33	J
115-07-1	Propene	1.33	4.00	3.15	2.30	6.90	5.44	J
74-98-6	Propane	1.33	4.00	3.09	2.41	7.23	5.59	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.25	2.38	7.14	5.35	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.71	2.37	7.10	5.07	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.43	2.13	6.40	4.57	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.05	2.19	6.57	10.11	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.53	2.19	6.57	2.59	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	14.94	26.50	79.49	52.79	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	89.66	29.51	88.52	58.79	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 54

File Name: 2521054A
Description: T-502
Canister: 417
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 10:22
Date Analyzed: 07/29/25 Time: 15:39
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.59	2.30	6.91	4.13	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.19	2.47	7.40	3.93	J
115-07-1	Propene	1.33	4.00	2.93	2.30	6.90	5.06	J
74-98-6	Propane	1.33	4.00	2.56	2.41	7.23	4.62	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.39	2.38	7.14	3.32	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.55	2.37	7.10	4.57	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.97	2.13	6.40	3.11	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.77	2.19	6.57	8.71	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	12.36	26.50	79.49	43.67	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	74.18	29.51	88.52	48.64	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 55

File Name: 2521055A

Date Sampled: 07/22/25 Time: 10:15

Description: T-503

Date Analyzed: 07/29/25 Time: 16:35

Canister: 792

Can Factor: 1.00

QC_Batch: 072925-GCK

Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.69	2.41	7.23	3.05	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.92	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 56

File Name: 2521056A
Description: T-504
Canister: 552
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 10:26
Date Analyzed: 07/29/25 Time: 17:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.09	2.30	6.90	2.50	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.14	2.30	6.90	4.93	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.92	2.13	6.40	2.94	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 57

File Name: 2521057A
Description: T-505
Canister: 704
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 11:26
Date Analyzed: 07/29/25 Time: 18:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.20	2.30	6.90	5.06	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.82	2.13	6.40	2.62	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.10	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID**SDG: 225210****Analytical Method: TO-14FID****Laboratory Number: 58****File Name:** 2521058A**Date Sampled:** 07/22/25 **Time:** 11:21**Description:** T-506**Date Analyzed:** 07/29/25 **Time:** 19:18**Canister:** 895**Can Factor:** 1.00**QC_Batch:** 072925-GCK**Air Volume:** 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.55	2.30	6.90	3.55	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.87	2.30	6.90	4.30	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.76	2.13	6.40	2.42	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.61	2.19	6.57	3.01	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 59

File Name: 2521059A
Description: T-507
Canister: 856
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 11:24
Date Analyzed: 07/29/25 Time: 20:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.92	2.47	7.40	3.61	J
115-07-1	Propene	1.33	4.00	2.82	2.30	6.90	4.87	J
74-98-6	Propane	1.33	4.00	2.82	2.41	7.23	5.10	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.20	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.77	2.13	6.40	2.48	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.50	2.19	6.57	2.48	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	10.38	26.50	79.49	36.66	J
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	62.26	29.51	88.52	40.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 60

File Name: 2521060A
Description: T-508
Canister: 877
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 Time: 11:21
Date Analyzed: 07/29/25 Time: 20:51
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.04	2.30	6.91	2.35	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.79	2.47	7.40	3.44	J
115-07-1	Propene	1.33	4.00	1.78	2.30	6.90	3.08	J
74-98-6	Propane	1.33	4.00	2.03	2.41	7.23	3.67	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.20	2.38	7.14	2.85	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.37	2.37	7.10	4.06	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-I	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-I	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 61

File Name: 2521061A
Description: T-509
Canister: 640
QC_Batch: 073025-GCK

Date Sampled: 07/22/25 Time: 11:27
Date Analyzed: 07/30/25 Time: 12:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.86	2.30	6.91	4.44	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.54	2.47	7.40	4.37	J
115-07-1	Propene	1.33	4.00	2.96	2.30	6.90	5.11	J
74-98-6	Propane	1.33	4.00	4.37	2.41	7.23	7.89	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.62	2.38	7.14	6.24	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.87	2.37	7.10	5.55	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.90	2.13	6.40	6.09	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.83	2.33	7.00	4.82	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.13	2.20	6.60	11.72	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.69	26.50	79.49	69.58	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	118.17	29.51	88.52	77.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 62

File Name: 2521062A
Description: T-510
Canister: 688
QC_Batch: 072425-GCK

Date Sampled: 07/22/25 Time: 11:48
Date Analyzed: 07/24/25 Time: 13:57
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.91	2.30	6.90	3.29	J
74-98-6	Propane	1.33	4.00	1.90	2.41	7.23	3.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.53	2.33	7.00	3.11	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.90	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 63

File Name: 2521063A
Description: T-601
Canister: 506
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 7:50
Date Analyzed: 07/30/25 Time: 12:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.94	2.47	7.40	6.09	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.22	2.41	7.23	5.83	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.26	2.30	6.90	2.91	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.75	2.36	7.07	2.63	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.40	2.13	6.40	4.47	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.49	2.33	7.00	2.84	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	9.98	26.50	79.49	35.25	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	59.86	29.51	88.52	39.25	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 64

File Name: 2521064A
Description: T-602
Canister: 642
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 7:55
Date Analyzed: 07/30/25 Time: 13:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.88	2.47	7.40	8.49	
115-07-1	Propene	1.33	4.00	2.81	2.30	6.90	4.84	J
74-98-6	Propane	1.33	4.00	5.01	2.41	7.23	9.06	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.94	2.38	7.14	7.01	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.20	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.91	2.36	7.07	6.75	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.40	2.13	6.40	4.49	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.92	2.35	7.04	3.79	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.84	2.18	6.53	3.66	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.55	2.19	6.57	2.73	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.70	2.19	6.57	3.47	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.09	2.19	6.57	5.39	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.16	2.20	6.60	6.37	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.75	2.33	6.99	4.82	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.82	26.50	79.49	87.70
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	148.94	29.51	88.52	97.67

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 65

File Name: 2521065A
Description: T-603
Canister: 990
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 7:49
Date Analyzed: 07/30/25 Time: 14:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.22	2.47	7.40	6.44	J
115-07-1	Propene	1.33	4.00	2.30	2.30	6.90	3.96	J
74-98-6	Propane	1.33	4.00	3.53	2.41	7.23	6.37	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.78	2.38	7.14	11.38	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.96	2.37	7.10	5.79	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	1.02	2.30	6.90	3.53	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.73	2.13	6.40	5.52	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	2.86	2.35	7.04	11.74	
589-34-4	3-Methylhexane	0.57	1.71	3.05	2.35	7.04	12.51	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.79	2.35	7.04	7.35	
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.94	2.34	7.02	4.41	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.93	2.18	6.53	4.04	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.70	2.18	6.53	7.39	
111-84-2	n-Nonane	0.44	1.33	0.89	2.34	7.01	4.70	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.00	2.19	6.57	4.94	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	2.45	2.19	6.57	12.05	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.09	2.19	6.57	5.37	J
611-14-3	2-Ethyltoluene	0.44	1.33	1.48	2.19	6.57	7.28	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.32	2.19	6.57	11.42	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.69	2.20	6.60	9.27	
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.88	2.20	6.60	4.85	J
1120-21-4	Undecane	0.36	1.09	1.58	2.33	6.99	10.09	
112-40-3	Dodecane	0.33	1.00	0.45	2.33	6.98	3.17	J

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	52.36	26.50	79.49	184.98	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	314.16	29.51	88.52	206.01	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 66

File Name: 2521066A
Description: T-604
Canister: 858
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 7:56
Date Analyzed: 07/30/25 Time: 15:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.33	2.47	7.40	4.10	J
115-07-1	Propene	1.33	4.00	1.34	2.30	6.90	2.32	J
74-98-6	Propane	1.33	4.00	2.88	2.41	7.23	5.21	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.78	2.19	6.57	3.83	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 67

File Name: 2521067A
Description: T-605
Canister: 847
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 9:03
Date Analyzed: 07/30/25 Time: 16:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.16	2.47	7.40	5.13	J
115-07-1	Propene	1.33	4.00	1.38	2.30	6.90	2.38	J
74-98-6	Propane	1.33	4.00	3.13	2.41	7.23	5.65	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.69	2.38	7.14	11.18	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.72	2.37	7.10	8.04	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.22	2.36	7.09	3.60	J
646-04-8	t-2-Pentene	0.80	2.40	2.03	2.30	6.90	5.84	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.99	2.36	7.07	3.49	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.22	2.13	6.40	3.92	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.58	2.35	7.04	2.40	J
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.55	2.34	7.02	2.59	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.02	2.18	6.53	4.44	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.55	2.19	6.57	2.73	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.45	2.19	6.57	2.24	J
124-18-5	n-Decane	0.40	1.20	1.46	2.33	7.00	8.51	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	25.15	26.50	79.49	88.84	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	150.89	29.51	88.52	98.94	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 68

File Name: 2521068A
Description: T-606
Canister: 803
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 9:06
Date Analyzed: 07/30/25 Time: 17:32
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.23	2.47	7.40	2.75	J
115-07-1	Propene	1.33	4.00	1.39	2.30	6.90	2.40	J
74-98-6	Propane	1.33	4.00	1.53	2.41	7.23	2.76	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.45	2.30	6.90	3.33	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.82	2.35	7.04	3.38	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.14	2.20	6.60	6.27	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	7.66	26.50	79.49	27.07	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	45.98	29.51	88.52	30.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210

Analytical Method: TO-14FID

Laboratory Number: 69

File Name: 2521069A
Description: T-607
Canister: 899
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 9:08
Date Analyzed: 07/30/25 Time: 18:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.10	2.30	6.91	2.42	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.64	2.47	7.40	6.96	J
115-07-1	Propene	1.33	4.00	4.92	2.30	6.90	8.49	
74-98-6	Propane	1.33	4.00	17.46	2.41	7.23	31.56	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	12.15	2.38	7.14	28.93	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	6.45	2.37	7.10	19.09	
109-67-1	1-Pentene	0.80	2.40	0.91	2.30	6.90	2.61	J
109-66-0	n-Pentane	0.80	2.40	4.90	2.36	7.09	14.47	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	2.98	2.30	6.90	8.55	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.69	2.36	7.07	2.44	J
96-14-0	3-Methylpentane	0.67	2.00	0.78	2.36	7.07	2.74	J
110-54-3	n-Hexane	0.67	2.00	1.10	2.36	7.07	3.87	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.20	2.30	6.90	4.13	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.61	2.35	7.04	2.49	J
589-34-4	3-Methylhexane	0.57	1.71	1.19	2.35	7.04	4.88	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.68	2.34	7.02	3.19	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	0.93	2.30	6.90	3.73	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.60	2.16	6.47	2.28	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.74	2.19	6.57	8.57	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.80	2.19	6.57	3.94	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.77	2.19	6.57	3.81	J
124-18-5	n-Decane	0.40	1.20	0.65	2.33	7.00	3.77	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.54	2.20	6.60	2.96	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	54.83	26.50	79.49	193.70
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	328.97	29.51	88.52	215.72

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID**SDG: 225210****Analytical Method: TO-14FID****Laboratory Number: 70**

File Name: 2521070A
Description: T-608
Canister: 730
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 8:50
Date Analyzed: 07/30/25 **Time:** 19:05
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.66	2.47	7.40	3.29	J
115-07-1	Propene	1.33	4.00	3.61	2.30	6.90	6.22	J
74-98-6	Propane	1.33	4.00	5.96	2.41	7.23	10.78	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	6.16	2.38	7.14	14.66	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	5.40	2.37	7.10	15.97	
109-67-1	1-Pentene	0.80	2.40	0.91	2.30	6.90	2.62	J
109-66-0	n-Pentane	0.80	2.40	1.16	2.36	7.09	3.44	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.54	2.30	6.90	4.43	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.79	2.36	7.07	2.78	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.38	2.13	6.40	4.43	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	2.95	2.35	7.04	12.11	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.68	2.35	7.04	6.89	J
589-34-4	3-Methylhexane	0.57	1.71	4.68	2.35	7.04	19.21	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.61	2.34	7.02	2.86	J
142-82-5	n-Heptane	0.57	1.71	1.26	2.35	7.04	5.19	J
108-87-2	Methylcyclohexane	0.57	1.71	0.82	2.30	6.90	3.32	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	1.01	2.18	6.53	4.42	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.93	2.18	6.53	4.04	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.00	2.19	6.57	4.92	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	1.24	2.33	7.00	7.25	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	44.70	26.50	79.49	157.91
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	268.18	29.51	88.52	175.86

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 71

File Name: 2521071A
Description: T-609
Canister: 675
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 Time: 9:03
Date Analyzed: 07/30/25 Time: 19:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.31	2.47	7.40	6.55	J
115-07-1	Propene	1.33	4.00	6.17	2.30	6.90	10.64	
74-98-6	Propane	1.33	4.00	7.43	2.41	7.23	13.43	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.71	2.38	7.14	11.22	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.19	2.37	7.10	9.43	
109-67-1	1-Pentene	0.80	2.40	1.37	2.30	6.90	3.93	J
109-66-0	n-Pentane	0.80	2.40	1.99	2.36	7.09	5.89	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.76	2.36	7.07	2.68	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	3.41	2.35	7.04	14.00	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.79	2.35	7.04	7.34	
589-34-4	3-Methylhexane	0.57	1.71	5.04	2.35	7.04	20.72	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.53	2.34	7.02	2.48	J
142-82-5	n-Heptane	0.57	1.71	1.39	2.35	7.04	5.73	J
108-87-2	Methylcyclohexane	0.57	1.71	0.88	2.30	6.90	3.54	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.91	2.18	6.53	3.98	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.91	2.18	6.53	3.97	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.69	2.19	6.57	3.39	J
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.35	2.19	6.57	6.65	
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.26	2.19	6.57	6.21	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	44.43	26.50	79.49	156.95
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	266.55	29.51	88.52	174.79

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210

Laboratory Number: 72

File Name: 2521072A
Description: T-610
Canister: 753
QC_Batch: 072425-GCK

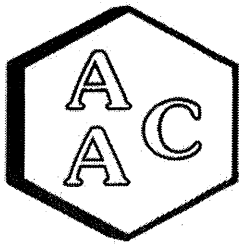
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Date Analyzed: 07/24/25 Time: 14:53
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.68	2.41	7.23	3.04	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND

Total Petroleum Hydrocarbons:

TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND



Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251759
 REPORT DATE : 07/17/2025

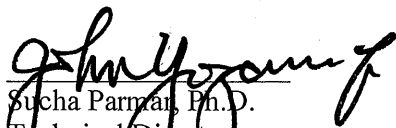
On July 15th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 101 a	251759-77771	S- 108 a	251759-77785
S- 101 b	251759-77772	S- 108 b	251759-77786
S- 102 a	251759-77773	S- 109 a	251759-77787
S- 102 b	251759-77774	S- 109 b	251759-77788
S- 103 a	251759-77775	S- 110 a	251759-77789
S- 103 b	251759-77776	S- 110 b	251759-77790
S- 104 a	251759-77777	S- 111 a	251759-77791
S- 104 b	251759-77778	S- 111 b	251759-77792
S- 105 a	251759-77779	S- 112 a	251759-77793
S- 105 b	251759-77780	S- 112 b	251759-77794
S- 106 a	251759-77781	S- 113 a	251759-77795
S- 106 b	251759-77782	S- 113 b	251759-77796
S- 107 a	251759-77783	S- 114 a	251759-77797
S- 107 b	251759-77784	S- 114 b	251759-77798

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacclab.com.

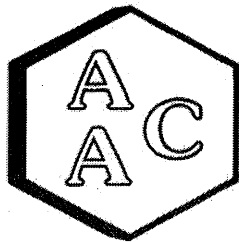
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 9 pages.

Page 1



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251759
 MATRIX : AIR
 UNITS : ppmv

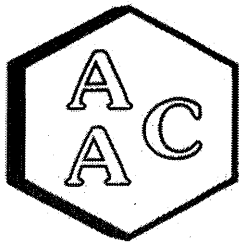
SAMPLING DATE : 07/15/2025
 RECEIVING DATE : 07/15/2025
 ANALYSIS DATE : 07/15-16/2025
 REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 101 a	S- 102 a	S- 103 a	S- 104 a	S- 105 a
AAC ID	251759-77771	251759-77773	251759-77775	251759-77777	251759-77779
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	0.013
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	0.013

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251759
 MATRIX : AIR
 UNITS : ppmv

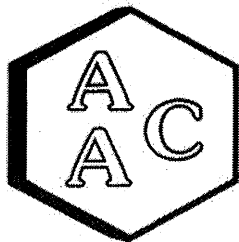
SAMPLING DATE : 07/15/2025
 RECEIVING DATE : 07/15/2025
 ANALYSIS DATE : 07/15-16/2025
 REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 106 a	S- 107 a	S- 108 a	S- 109 a	S- 110 a
AAC ID	251759-77781	251759-77783	251759-77785	251759-77787	251759-77789
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251759
 MATRIX : AIR
 UNITS : ppmv

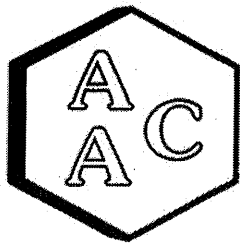
SAMPLING DATE : 07/15/2025
 RECEIVING DATE : 07/15/2025
 ANALYSIS DATE : 07/16/2025
 REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 111 a	S- 112 a	S- 113 a	S- 114 a
AAC ID	251759-77791	251759-77793	251759-77795	251759-77797
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/15/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8107	0.515	104.2	0.7
Duplicate	7969	0.506	102.4	1.0
Triplicate	8072	0.513	103.8	0.3

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7149	0.490	96.5	1.4
Duplicate	7258	0.497	97.9	0.1
Triplicate	7343	0.503	99.1	1.3

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7528	0.458	95.3	2.7
Duplicate	7879	0.479	99.7	1.9
Triplicate	7800	0.474	98.7	0.8

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251750-77739

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251750-77739 x2

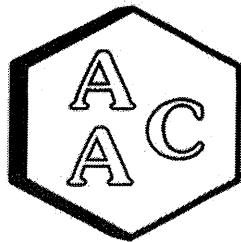
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.255	0.237	103.2	96.0	7.3
MeSH	<PQL	0.254	0.244	0.243	96.2	95.8	0.4
DMS	<PQL	0.240	0.239	0.245	99.5	102.0	2.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.448	90.7
MeSH	0.508	0.468	92.2
DMS	0.481	0.449	93.4

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/15/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21761	489	99.0	1.4
Duplicate	22734	511	103.4	3.0
Triplicate	21710	488	98.8	1.6

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20068	522	102.9	0.1
Duplicate	20447	532	104.9	2.0
Triplicate	19634	511	100.7	2.1

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22505	499	103.7	0.1
Duplicate	22602	501	104.2	0.4
Triplicate	22459	497	103.5	0.3

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251750-77732

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

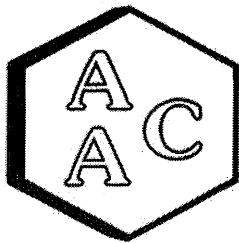
Sample ID 251750-77732 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	248.6	246.8	100.6	99.9	0.7
MeSH	<PQL	253.8	255.0	266.2	100.5	104.9	4.3
DMS	<PQL	240.3	247.5	261.4	103.0	108.8	5.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	450.0	91.1
MeSH	507.5	469.8	92.6
DMS	480.5	444.3	92.5

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.
PQL = 50.0 ppbV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8106	0.515	104.2	0.0
Duplicate	8070	0.513	103.7	0.4
Triplicate	8140	0.517	104.6	0.4

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7470	0.512	100.8	0.4
Duplicate	7436	0.509	100.4	0.8
Triplicate	7592	0.520	102.5	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8075	0.491	102.2	0.4
Duplicate	7914	0.481	100.2	1.6
Triplicate	8139	0.495	103.0	1.2

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251759-77797

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251759-77797 x2

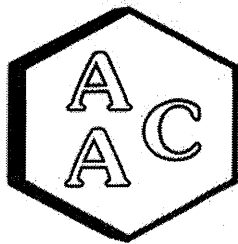
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.231	0.245	93.5	99.2	5.9
MeSH	<PQL	0.254	0.231	0.253	91.0	99.7	9.1
DMS	<PQL	0.240	0.241	0.260	100.3	108.2	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.482	97.6
MeSH	0.508	0.501	98.7
DMS	0.481	0.484	100.7

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22904	515	104.2	0.1
Duplicate	22920	515	104.3	0.0
Triplicate	22956	516	104.4	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20368	530	104.5	0.2
Duplicate	20373	530	104.5	0.1
Triplicate	20463	533	104.9	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22538	499	103.9	0.1
Duplicate	22484	498	103.6	0.2
Triplicate	22555	500	104.0	0.1

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251759-77795

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251759-77795 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	246.2	255.9	99.7	103.6	3.8
MeSH	<PQL	253.8	258.0	272.9	101.7	107.6	5.6
DMS	<PQL	240.3	260.0	261.1	108.2	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	482.3	97.6
MeSH	507.5	486.2	95.8
DMS	480.5	455.3	94.8

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

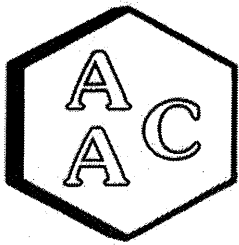
PQL = 50.0 ppbV

CE Schmidt, . . . ND, Environmental Consultant
Chain of Custody Record

Sulfur D₂

251759

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		#		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting	
Client Name SCS		Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003 Laboratory Phone 805-650-1642		Laboratory Contact John Yokoyama jyokoyama@aacslab.com	
Requested Completion Date		CG OR MA PB		Sample ID Number		SCAQM Method 307-91		Field H2S (ppmv)	
Station Number	Date	Time	CG OR MA PB	Sample ID Number	Sample Container	Relinquished by	Relinquished by	Relinquished by	Remarks
77771	7/15/2025	836	x	S- 101 a/b	Can	X			
77773	7/15/2025	831	x	S- 102 a/b	Tube	X			
77775	7/15/2025	830	x	S- 103 a/b		X			
77776	7/15/2025	833	x	S- 104 a/b		X			
77777	7/15/2025	833	x	S- 105 a/b		X			
77778	7/15/2025	833	x	S- 106 a/b		X			
77779	7/15/2025	833	x	S- 107 a/b		X			
77780	7/15/2025	833	x	S- 108 a/b		X			
77781	7/15/2025	833	x	S- 109 a/b		X			
77782	7/15/2025	833	x	S- 110 a/b		X			
77783	7/15/2025	833	x	S- 111 a/b		X			
77784	7/15/2025	833	x	S- 112 a/b		X			
77785	7/15/2025	833	x	S- 113 a/b		X			
77786	7/15/2025	833	x	S- 114 a/b		X			
77787	7/15/2025	833							
77788	7/15/2025	833							
77789	7/15/2025	833							
77790	7/15/2025	833							
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77908	7/15/2025	833							
77909	7/15/2025	833							
77910	7/15/2025	833							
77911	7/15/2025	833							
77912	7/15/2025	833							
77913	7/15/2025	833							
77914	7/15/2025	833							
77915	7/15/2025	833							
77916	7/15/2025	833							
77917	7/15/2025	833							
77918	7/15/2025	833							
77919	7/15/2025	833							
77920	7/15/2025	833							
77921	7/15/2025	833							
77922	7/15/2025	833							
77923</									



Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251767
 REPORT DATE : 07/18/2025

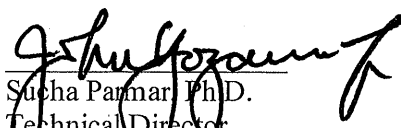
On July 16th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 201 a	251767-77839	S- 208 a	251767-77853
S- 201 b	251767-77840	S- 208 b	251767-77854
S- 202 a	251767-77841	S- 209 a	251767-77855
S- 202 b	251767-77842	S- 209 b	251767-77856
S- 203 a	251767-77843	S- 210 a	251767-77857
S- 203 b	251767-77844	S- 210 b	251767-77858
S- 204 a	251767-77845	S- 211 a	251767-77859
S- 204 b	251767-77846	S- 211 b	251767-77860
S- 205 a	251767-77847	S- 212 a	251767-77861
S- 205 b	251767-77848	S- 212 b	251767-77862
S- 206 a	251767-77849	S- 213 a	251767-77863
S- 206 b	251767-77850	S- 213 b	251767-77864
S- 207 a	251767-77851	S- 214 a	251767-77865
S- 207 b	251767-77852	S- 214 b	251767-77866

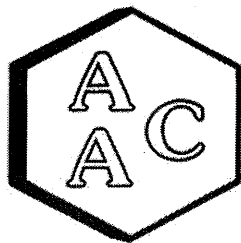
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacalab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 7 pages.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251767
 MATRIX : AIR
 UNITS : ppmv

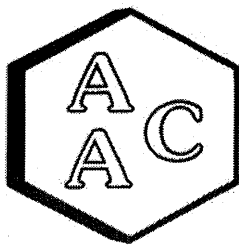
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 RECEIVING DATE : 07/16/2025
 ANALYSIS DATE : 07/16/2025
 REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 201 a	S- 202 a	S- 203 a	S- 204 a	S- 205 a
AAC ID	251767-77839	251767-77841	251767-77843	251767-77845	251767-77847
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	0.011	0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	0.005	< 0.005	< 0.005
Total Reduced Sulfurs	0.011	0.005	0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251767
 MATRIX : AIR
 UNITS : ppmv

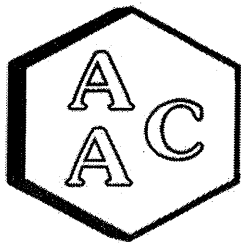
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 RECEIVING DATE : 07/16/2025
 ANALYSIS DATE : 07/16/2025
 REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 206 a	S- 207 a	S- 208 a	S- 209 a	S- 210 a
AAC ID	251767-77849	251767-77851	251767-77853	251767-77855	251767-77857
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251767
 MATRIX : AIR
 UNITS : ppmv

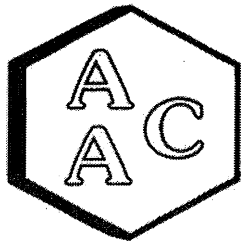
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 RECEIVING DATE : 07/16/2025
 ANALYSIS DATE : 07/16/2025
 REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 211 a	S- 212 a	S- 213 a	S- 214 a
AAC ID	251767-77859	251767-77861	251767-77863	251767-77865
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8106	0.515	104.2	0.0
Duplicate	8070	0.513	103.7	0.4
Triplicate	8140	0.517	104.6	0.4

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7470	0.512	100.8	0.4
Duplicate	7436	0.509	100.4	0.8
Triplicate	7592	0.520	102.5	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8075	0.491	102.2	0.4
Duplicate	7914	0.481	100.2	1.6
Triplicate	8139	0.495	103.0	1.2

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251759-77797

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251759-77797 x2

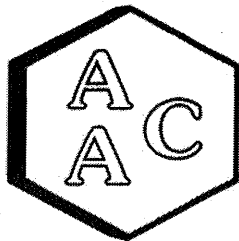
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.231	0.245	93.5	99.2	5.9
MeSH	<PQL	0.254	0.231	0.253	91.0	99.7	9.1
DMS	<PQL	0.240	0.241	0.260	100.3	108.2	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.482	97.6
MeSH	0.508	0.501	98.7
DMS	0.481	0.484	100.7

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22904	515	104.2	0.1
Duplicate	22920	515	104.3	0.0
Triplicate	22956	516	104.4	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20368	530	104.5	0.2
Duplicate	20373	530	104.5	0.1
Triplicate	20463	533	104.9	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22538	499	103.9	0.1
Duplicate	22484	498	103.6	0.2
Triplicate	22555	500	104.0	0.1

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251759-77795

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251759-77795 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	246.2	255.9	99.7	103.6	3.8
MeSH	<PQL	253.8	258.0	272.9	101.7	107.6	5.6
DMS	<PQL	240.3	260.0	261.1	108.2	108.7	0.4

Closing Calibration Verification Standard

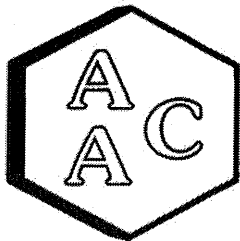
Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	482.3	97.6
MeSH	507.5	486.2	95.8
DMS	480.5	455.3	94.8

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.
PQL = 50.0 ppbV

Sulfur Dz

Sumit D2

Form Serial Number CES F1-02106		Client Name SCS Chiquita Canyon Landfill		Project Manager Pat Sullivan		Requested Completion Date		For Information Regarding These Samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting			
Station Number	Date	Time	CGORMAP	Sample ID Number	Sample Container	Can	Tube	SCA/QMD Method 307-91	Field H2S (ppmv)	Remarks	HAZWRAP/NEESA	Y	N	OC Level	1	2	3
716/2025	8:23		X	S-201 a/b 77837	2	X		X									
716/2025	8:27		X	S-202 a/b 77841	2	X		X									
716/2025	8:16		X	S-203 a/b 77843	2	X		X									
716/2025	8:21		X	S-204 a/b 77845	2	X		X									
716/2025	8:22		X	S-205 a/b 77847	2	X		X									
716/2025	8:32		X	S-206 a/b 77849	2	X		X									
716/2025	8:29		X	S-207 a/b 77851	2	X		X									
716/2025	8:39		X	S-208 a/b 77853	2	X		X									
716/2025	11:04		X	S-209 a/b 77855	2	X		X									
716/2025	10:53		X	S-210 a/b 77857	2	X		X									
716/2025	10:58		X	S-211 a/b 77859	2	X		X									
716/2025	10:59		X	S-212 a/b 77861	2	X		X									
716/2025	10:59		X	S-213 a/b 77863	2	X		X									
716/2025	11:28		X	S-214 a/b 77865	2	X		X									
Sample		OK Schmidt	Date/Time	7/16/25 11:30	Relinquished by	OK Schmidt	Date/Time	7/16/25 11:30	HAZWRAP/NEESA	Y	N	OC Level	1	2	3		
Received by		Steve Schmidt	Date/Time	7/16/25 12:41	Relinquished by		Date/Time		COC		Ice						
Received by			Date/Time		Relinquished by		Date/Time		Ana Req		Temp	AMB					
Received by Laboratory			Date/Time	7/16/25 12:37	Sample Shipped Via	UPS	FEDEX	BUS	Hand	Other	Air Bill No.						
Remarks																	



Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251777
 REPORT DATE : 07/21/2025

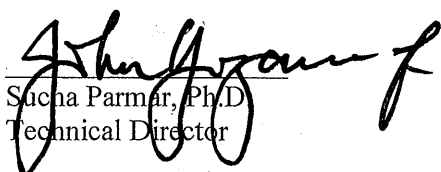
On July 17th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 301 a	251777-77899	S- 308 a	251777-77913
S- 301 b	251777-77900	S- 308 b	251777-77914
S- 302 a	251777-77901	S- 309 a	251777-77915
S- 302 b	251777-77902	S- 309 b	251777-77916
S- 303 a	251777-77903	S- 310 a	251777-77917
S- 303 b	251777-77904	S- 310 b	251777-77918
S- 304 a	251777-77905	S- 311 a	251777-77919
S- 304 b	251777-77906	S- 311 b	251777-77920
S- 305 a	251777-77907	S- 312 a	251777-77921
S- 305 b	251777-77908	S- 312 b	251777-77922
S- 306 a	251777-77909	S- 313 a	251777-77923
S- 306 b	251777-77910	S- 313 b	251777-77924
S- 307 a	251777-77911	S- 314 a	251777-77925
S- 307 b	251777-77912	S- 314 b	251777-77926

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacclab.com.

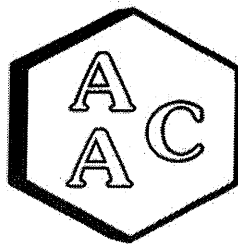
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 9 pages.

Page 1



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251777
 MATRIX : AIR
 UNITS : ppmv

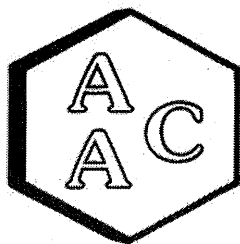
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 RECEIVING DATE : 07/17/2025
 ANALYSIS DATE : 07/17/2025
 REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 301 a	S- 302 a	S- 303 a	S- 304 a	S- 305 a
AAC ID	251777-77899	251777-77901	251777-77903	251777-77905	251777-77907
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251777
 MATRIX : AIR
 UNITS : ppmv

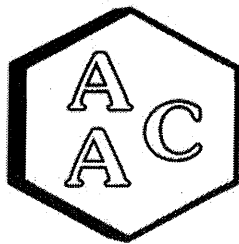
SAMPLING DATE : 07/17/2025
 RECEIVING DATE : 07/17/2025
 ANALYSIS DATE : 07/17-18/2025
 REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 306 a	S- 307 a	S- 308 a	S- 309 a	S- 310 a
AAC ID	251777-77909	251777-77911	251777-77913	251777-77915	251777-77917
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251777
 MATRIX : AIR
 UNITS : ppmv

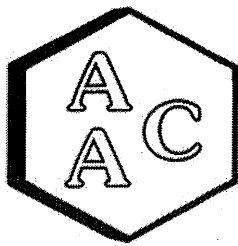
SAMPLING DATE : 07/17/2025
 RECEIVING DATE : 07/17/2025
 ANALYSIS DATE : 07/17-18/2025
 REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 311 a	S- 312 a	S- 313 a	S- 314 a
AAC ID	251777-77919	251777-77921	251777-77923	251777-77925
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/17/2025

Analyst: NR

Units: ppmV

Instrument ID : SCD-BTU

Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8138	0.517	104.6	0.1
Duplicate	8153	0.518	104.8	0.1
Triplicate	8145	0.517	104.7	0.0

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7497	0.514	101.2	2.0
Duplicate	7696	0.527	103.9	0.6
Triplicate	7754	0.531	104.7	1.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8067	0.491	102.1	1.5
Duplicate	8215	0.500	104.0	0.3
Triplicate	8281	0.504	104.8	1.1

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251491-76701 x2

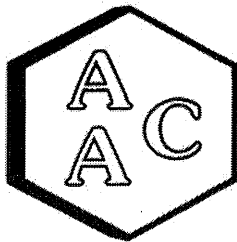
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.242	0.243	98.0	98.4	0.4
MeSH	<PQL	0.254	0.235	0.248	92.6	97.7	5.4
DMS	<PQL	0.240	0.246	0.250	102.4	104.1	1.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.487	98.6
MeSH	0.508	0.493	97.1
DMS	0.481	0.473	98.4

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/17/2025

Analyst: NR

Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22695	510	103.2	0.4
Duplicate	22513	506	102.4	0.4
Triplicate	22627	508	102.9	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20130	524	103.2	0.8
Duplicate	20411	531	104.7	0.5
Triplicate	20366	530	104.4	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22051	488	101.7	1.4
Duplicate	22659	502	104.5	1.3
Triplicate	22409	496	103.3	0.2

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251491-76701 x2

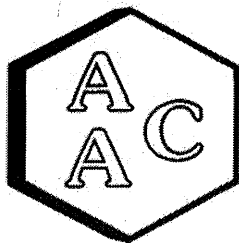
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	245.4	253.6	99.3	102.7	3.3
MeSH	<PQL	253.8	245.4	268.4	96.7	105.8	9.0
DMS	<PQL	240.3	243.2	258.4	101.2	107.6	6.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	451.7	91.4
MeSH	507.5	478.3	94.2
DMS	480.5	449.2	93.5

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 50.0 ppbV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7622	0.484	98.0	0.5
Duplicate	7631	0.485	98.1	0.4
Triplicate	7723	0.490	99.3	0.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7380	0.505	99.6	0.4
Duplicate	7286	0.499	98.3	0.8
Triplicate	7377	0.505	99.6	0.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8087	0.492	102.4	0.1
Duplicate	8126	0.494	102.9	0.3
Triplicate	8084	0.492	102.3	0.2

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251777-77917

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251777-77917 x2

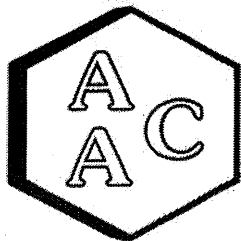
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.236	0.245	95.5	99.2	3.7
MeSH	<PQL	0.254	0.233	0.255	91.8	100.5	9.0
DMS	<PQL	0.240	0.237	0.259	98.6	107.8	8.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.540	109.3
MeSH	0.508	0.541	106.6
DMS	0.481	0.528	109.9

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22007	495	100.1	0.2
Duplicate	21963	494	99.9	0.0
Triplicate	21947	493	99.8	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19133	498	98.1	0.4
Duplicate	19148	498	98.2	0.5
Triplicate	18873	491	96.8	0.9

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22494	498	103.7	0.8
Duplicate	22139	490	102.1	0.8
Triplicate	22318	494	102.9	0.0

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251777-77925

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251777-77925 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	248.3	261.9	100.5	106.0	5.3
MeSH	<PQL	253.8	260.6	276.2	102.7	108.8	5.8
DMS	<PQL	240.3	250.4	263.5	104.2	109.7	5.1

Closing Calibration Verification Standard

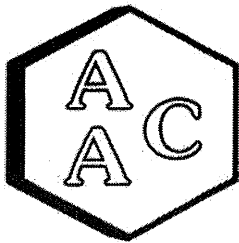
Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	527.7	106.8
MeSH	507.5	541.4	106.7
DMS	480.5	512.2	106.6

* Must be 95-105%, ** Must be 90-110%, *** Must be <10%, **** Must be <5% RPD from Mean result.

PQL = 50.0 ppbV

Sulfur Dioxide

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Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251831
 REPORT DATE : 07/25/2025

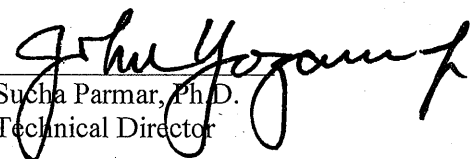
On July 22nd 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 501 a	251831-78126	S- 506 a	251831-78136
S- 501 b	251831-78127	S- 506 b	251831-78137
S- 502 a	251831-78128	S- 507 a	251831-78138
S- 502 b	251831-78129	S- 507 b	251831-78139
S- 503 a	251831-78130	S- 508 a	251831-78140
S- 503 b	251831-78131	S- 508 b	251831-78141
S- 504 a	251831-78132	S- 509 a	251831-78142
S- 504 b	251831-78133	S- 509 b	251831-78143
S- 505 a	251831-78134	S- 510 a	251831-78144
S- 505 b	251831-78135	S- 510 b	251831-78145

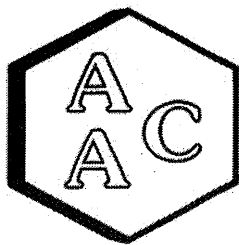
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacalab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 6 pages.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251831
 MATRIX : AIR
 UNITS : ppmv

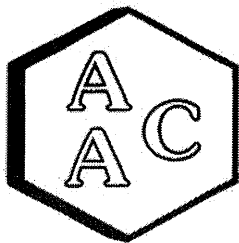
SAMPLING DATE : 07/22/2025
 RECEIVING DATE : 07/22/2025
 ANALYSIS DATE : 07/22/2025
 REPORT DATE : 07/25/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 501 a	S- 502 a	S- 503 a	S- 504 a	S- 505 a
AAC ID	251831-78126	251831-78128	251831-78130	251831-78132	251831-78134
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251831
 MATRIX : AIR
 UNITS : ppmv

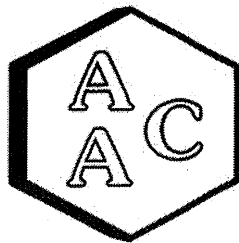
SAMPLING DATE : 07/22/2025
 RECEIVING DATE : 07/22/2025
 ANALYSIS DATE : 07/22/2025
 REPORT DATE : 07/25/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 506 a	S- 507 a	S- 508 a	S- 509 a	S- 510 a
AAC ID	251831-78136	251831-78138	251831-78140	251831-78142	251831-78144
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/22/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8166	0.519	105.0	1.6
Duplicate	8124	0.516	104.4	1.1
Triplicate	7813	0.496	100.4	2.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7321	0.501	98.8	0.7
Duplicate	7509	0.514	101.3	1.9
Triplicate	7285	0.499	98.3	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7721	0.470	97.7	2.5
Duplicate	8201	0.499	103.8	3.6
Triplicate	7835	0.477	99.2	1.1

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251810-78057

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251810-78057 x2

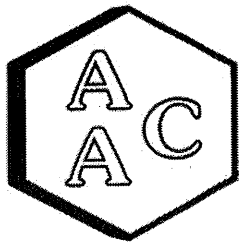
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.240	0.225	97.2	91.1	6.5
MeSH	<PQL	0.254	0.242	0.232	95.4	91.4	4.2
DMS	<PQL	0.240	0.247	0.235	102.8	97.8	5.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.470	95.1
MeSH	0.508	0.477	94.0
DMS	0.481	0.462	96.1

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/22/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22355	502	101.7	0.7
Duplicate	22970	516	104.5	2.0
Triplicate	22233	500	101.1	1.3

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19518	508	100.1	2.6
Duplicate	20350	530	104.4	1.6
Triplicate	20227	526	103.7	1.0

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21323	472	98.3	3.8
Duplicate	22715	503	104.7	2.4
Triplicate	22491	498	103.7	1.4

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251810-78058

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251810-78058 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	256.7	248.6	103.9	100.7	3.2
MeSH	<PQL	253.8	278.3	269.4	109.7	106.2	3.3
DMS	<PQL	240.3	261.3	260.3	108.8	108.3	0.4

Closing Calibration Verification Standard

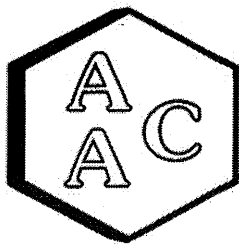
Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	451.2	91.3
MeSH	507.5	514.7	101.4
DMS	480.5	506.3	105.4

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 50.0 ppbV

CE Schmidt, rhd, Environmental Consultant
Chain of Custody Record
Sulfur D₂
251831

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4286 Cell: 530-200-2473 SCHMIDTCE@aol.com		# OF CONTAINERS		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting	
Client Name SCS Chiquita Canyon Landfill		Project Manager Pat Sullivan		Requested Completion Date		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003 Laboratory Phone 805-650-1642	
Station Number	Date	Time	CG OR MA PB	Sample ID Number	Sample Container S Bag Can Tube	Field H2S (ppmv)	Remarks	Laboratory Contact John Yokoyama jyokoyama@aacilab.com	
78126	7/22/2025	1016	x	S- 501 a/b	X				
78127	7/22/2025	1021	x	S- 502 a/b	X				
78128	7/22/2025	1023	x	S- 503 a/b	X				
78129	7/22/2025	1023	x	S- 504 a/b	X				
78130	7/22/2025	1023	x	S- 505 a/b	X				
78131	7/22/2025	1023	x	S- 506 a/b	X				
78132	7/22/2025	1023	x	S- 507 a/b	X				
78133	7/22/2025	1023	x	S- 508 a/b	X				
78134	7/22/2025	1023	x	S- 509 a/b	X				
78135	7/22/2025	1023	x	S- 510 a/b	X				
78136	7/22/2025	1023							
78137	7/22/2025	1023							
78138	7/22/2025	1023							
78139	7/22/2025	1023							
78140	7/22/2025	1023							
78141	7/22/2025	1023							
78142	7/22/2025	1023							
78143	7/22/2025	1023							
78144	7/22/2025	1023							
78145	7/22/2025	1023							
Sampler		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	HAZWOP/NEESA Y N	
Received by		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	QC Level 1 2 3	
Received by		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	COC	
Received by Laboratory		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Ice	
Remarks		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Ana Reg	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Temp AMB	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Cust Seal	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	pH	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Sample Condition	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Air Bill No.	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Hand	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	BUS	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	FEDEX	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	UPS	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Other	
		Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Remarks	



Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251839
 REPORT DATE : 07/28/2025

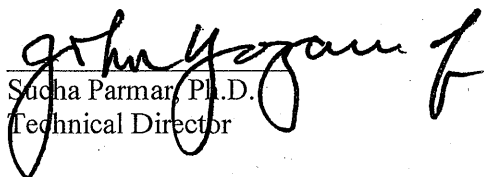
On July 23rd 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 601 a	251839-78167	S- 606 a	251839-78177
S- 601 b	251839-78168	S- 606 b	251839-78178
S- 602 a	251839-78169	S- 607 a	251839-78179
S- 602 b	251839-78170	S- 607 b	251839-78180
S- 603 a	251839-78171	S- 608 a	251839-78181
S- 603 b	251839-78172	S- 608 b	251839-78182
S- 604 a	251839-78173	S- 609 a	251839-78183
S- 604 b	251839-78174	S- 609 b	251839-78184
S- 605 a	251839-78175	S- 610 a	251839-78185
S- 605 b	251839-78176	S- 610 b	251839-78186

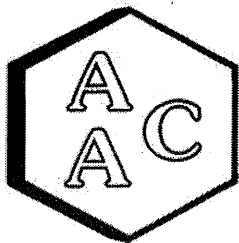
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacalab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 6 pages.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251839
 MATRIX : AIR
 UNITS : ppmv

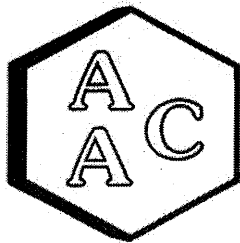
SAMPLING DATE : 07/23/2025
 RECEIVING DATE : 07/23/2025
 ANALYSIS DATE : 07/23/2025
 REPORT DATE : 07/28/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 601 a	S- 602 a	S- 603 a	S- 604 a	S- 605 a
AAC ID	251839-78167	251839-78169	251839-78171	251839-78173	251839-78175
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251839
 MATRIX : AIR
 UNITS : ppmv

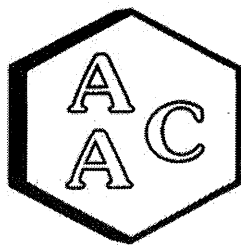
SAMPLING DATE : 07/23/2025
 RECEIVING DATE : 07/23/2025
 ANALYSIS DATE : 07/23/2025
 REPORT DATE : 07/28/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 606 a	S- 607 a	S- 608 a	S- 609 a	S- 610 a
AAC ID	251839-78177	251839-78179	251839-78181	251839-78183	251839-78185
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/23/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21171	476	96.3	2.7
Duplicate	21901	492	99.6	0.6
Triplicate	22227	499	101.1	2.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19307	503	99.0	3.2
Duplicate	20165	525	103.4	1.1
Triplicate	20380	530	104.5	2.2

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21247	471	97.9	3.9
Duplicate	22506	499	103.8	1.8
Triplicate	22541	499	103.9	2.0

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251491-76701 x2

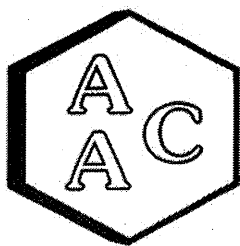
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	244.1	241.4	98.8	97.7	1.1
MeSH	<PQL	253.8	250.3	264.3	98.7	104.2	5.4
DMS	<PQL	240.3	246.8	258.8	102.7	107.7	4.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	482.2	97.6
MeSH	507.5	492.0	97.0
DMS	480.5	460.0	95.7

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 50.0 ppbV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/23/2025

Analyst: NR

Units: ppmV

Instrument ID : SCD-BTU

Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8102	0.515	104.2	1.0
Duplicate	7817	0.496	100.5	2.6
Triplicate	8149	0.518	104.8	1.6

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7212	0.494	97.3	1.5
Duplicate	7166	0.491	96.7	2.2
Triplicate	7596	0.520	102.5	3.7

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7720	0.470	97.7	2.3
Duplicate	7795	0.474	98.7	1.4
Triplicate	8196	0.498	103.7	3.7

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251491-76701 x2

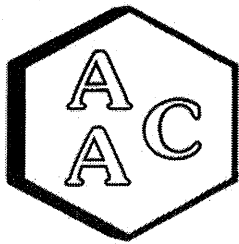
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.231	0.231	93.5	93.5	0.0
MeSH	<PQL	0.254	0.229	0.237	90.2	93.4	3.4
DMS	<PQL	0.240	0.237	0.244	98.6	101.6	2.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.534	108.1
MeSH	0.508	0.547	107.8
DMS	0.481	0.526	109.5

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

CLIENT : Environmental Management Consulting
 PROJECT NAME : SCS Chiquita Canyon Landfill
 PROJECT NUMBER : CES F1-02106
 AAC PROJECT NO. : 251796
 REPORT DATE : 07/22/2025

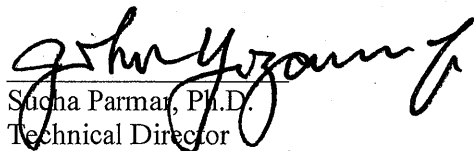
On July 18th 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 401 a	251796-77979	S- 406 a	251796-77989
S- 401 b	251796-77980	S- 406 b	251796-77990
S- 402 a	251796-77981	S- 407 a	251796-77991
S- 402 b	251796-77982	S- 407 b	251796-77992
S- 403 a	251796-77983	S- 408 a	251796-77993
S- 403 b	251796-77984	S- 408 b	251796-77994
S- 404 a	251796-77985	S- 409 a	251796-77995
S- 404 b	251796-77986	S- 409 b	251796-77996
S- 405 a	251796-77987	S- 410 a	251796-77997
S- 405 b	251796-77988	S- 410 b	251796-77998

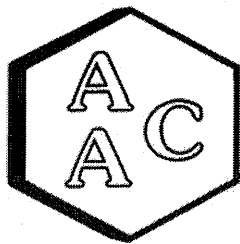
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aacalab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.


 Sucha Parmar, Ph.D.
 Technical Director

This report consists of 6 pages.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251796
 MATRIX : AIR
 UNITS : ppmv

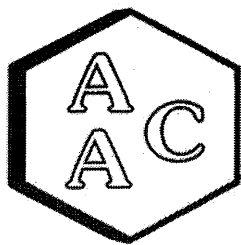
SAMPLING DATE : 07/18/2025
 RECEIVING DATE : 07/18/2025
 ANALYSIS DATE : 07/18/2025
 REPORT DATE : 07/22/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 401 a	S- 402 a	S- 403 a	S- 404 a	S- 405 a
AAC ID	251796-77979	251796-77981	251796-77983	251796-77985	251796-77987
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
 PROJECT NO. : 251796
 MATRIX : AIR
 UNITS : ppmv

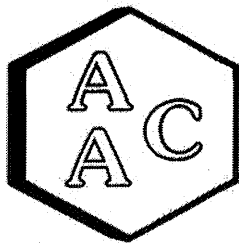
SAMPLING DATE : 07/18/2025
 RECEIVING DATE : 07/18/2025
 ANALYSIS DATE : 07/18/2025
 REPORT DATE : 07/22/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 406 a	S- 407 a	S- 408 a	S- 409 a	S- 410 a
AAC ID	251796-77989	251796-77991	251796-77993	251796-77995	251796-77997
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO ₂	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7622	0.484	98.0	0.5
Duplicate	7631	0.485	98.1	0.4
Triplicate	7723	0.490	99.3	0.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7380	0.505	99.6	0.4
Duplicate	7286	0.499	98.3	0.8
Triplicate	7377	0.505	99.6	0.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8087	0.492	102.4	0.1
Duplicate	8126	0.494	102.9	0.3
Triplicate	8084	0.492	102.3	0.2

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251777-77917

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate

Sample ID 251777-77917 x2

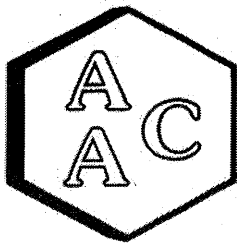
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	0.247	0.236	0.245	95.5	99.2	3.7
MeSH	<PQL	0.254	0.233	0.255	91.8	100.5	9.0
DMS	<PQL	0.240	0.237	0.259	98.6	107.8	8.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	0.494	0.540	109.3
MeSH	0.508	0.541	106.6
DMS	0.481	0.528	109.9

* Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.

PQL = 0.05 ppmV



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H₂S (GC-091924-01)

H ₂ S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22007	495	100.1	0.2
Duplicate	21963	494	99.9	0.0
Triplicate	21947	493	99.8	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19133	498	98.1	0.4
Duplicate	19148	498	98.2	0.5
Triplicate	18873	491	96.8	0.9

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22494	498	103.7	0.8
Duplicate	22139	490	102.1	0.8
Triplicate	22318	494	102.9	0.0

Method Blank

Analyte	Result
H ₂ S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis

Sample ID 251777-77925

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H ₂ S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate

Sample ID 251777-77925 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H ₂ S	<PQL	247.0	248.3	261.9	100.5	106.0	5.3
MeSH	<PQL	253.8	260.6	276.2	102.7	108.8	5.8
DMS	<PQL	240.3	250.4	263.5	104.2	109.7	5.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H ₂ S	494.0	527.7	106.8
MeSH	507.5	541.4	106.7
DMS	480.5	512.2	106.6

* Must be 95-105%, ** Must be 90-110%, *** Must be <10%, **** Must be <5% RPD from Mean result.

PQL = 50.0 ppbV

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

251796

Sulfur D₄

Form Serial Number CES F1-02106		For Information Regarding These Samples Please Contact:		#		Client Address and Phone Number 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806 562-743-7895		Laboratory Name Atmospheric Analysis and Consulting	
Client Name SCS		Dr. Charles E. Schmidt		O		Analysis Requested		Laboratory Address 2225 Sperry Avenue Ventura, CA 93003	
Project Manager Pat Sullivan		19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com		F				Laboratory Phone 805-550-1642	
Requested Completion Date				C				Laboratory Contact John Yokoyama jyokoyama@aaclab.com	
				O				Field H2S (ppmv)	
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CE Schmidt, Ph.D.

Environmental Consultant

Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT D

CALIBRATION DATA



CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHAGUITA CANYON INSTRUMENT MAKE: THERMO
 MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1636346773
 MONITORING DATE: 7-18-25 TIME: 0645

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) 2
<u>6.3</u> ppm	<u>6.9</u> ppm	<u>6.6</u> ppm

Background Value = 6.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	<u>503</u> ppm	<u>450</u> ppm	<u>5</u>
#2	<u>502</u> ppm	<u>450</u> ppm	<u>4</u>
#3	<u>503</u> ppm	<u>450</u> ppm	<u>5</u>
Calculate Response Time $\frac{(1+2+3)}{3}$			<u>4.6</u> #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	<u>0.8</u> ppm	<u>503</u> ppm	<u>3</u>
#2	<u>0.8</u> ppm	<u>502</u> ppm	<u>2</u>
#3	<u>0.8</u> ppm	<u>503</u> ppm	<u>3</u>
Calculate Precision $\frac{[STD-B1] + [STD-B2] + [STD-B3]}{3} \times \frac{1}{500} \times \frac{100}{1}$			<u>0.5%</u> #DIV/0! Must be less than 10%

Performed By: Michael Gue Date/Time: 7-18-25/0645

Adjunto 2
Protocolo de Origen para las Pruebas

Vertedero de Chiquita Canyon
Castaic, California

Evaluación Adicional de las Emisiones de Aire
De Superficies del
Vertedero



Protocolo
para la
Toma de
Muestras

Revisión 0

Diciembre de 2023

Elaborada Por

Thomas R. Card
Consultoría en Gestión Ambiental 41125 278^m
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529-4256 schmidtce@aol.com

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1. Plan de Salud y Seguridad Específico del Sitio de SCS

1. Introducción

Nomenclatura de la Superficie del Vertedero

Para propósitos de este protocolo, la superficie del Vertedero de Chiquita Canyon (CCL o el Vertedero) se dividió en las siguientes áreas:

Zona No Reactiva

Será la parte del Vertedero que no se vio afectada por la reacción del vertedero y no excede el límite de datos integrados de la Regla 1150.1 del Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD) de 25 partes por millón por volumen (ppmv) en el evento de monitoreo de emisiones superficiales (SEM) más reciente.

Zona Reactiva

Será la parte del Vertedero designada como afectada por la reacción del vertedero que no excede el límite de datos integrados de la Regla 1150.1 del SCAQMD de 25 ppmv en el evento SEM más reciente.

Zona de Excesos

Será la parte del Vertedero designada como afectada por la reacción del vertedero que excede el límite de datos integrados de la Regla 1150.1 del SCAQMD de 25 ppmv en el evento SEM más reciente. Esta parte del Vertedero será considerada por separado, para evaluar cualquier impacto que puedan tener de las celdas de la cuadrícula que excedieron los criterios de los datos integrados de la Regla 1150.1 en las emisiones totales en la superficie del sitio. Se debe tener en cuenta que estas celdas de la cuadrícula están sujetas a un estricto programa de remediación, por lo tanto, cualquier emisión de estas celdas que exceda las de una celda en la zona reactiva sin excedencia sería un fenómeno temporal.

Antecedentes

CCL es un vertedero de desechos sólidos municipales (MSW) ubicado en el norte del Condado de Los Ángeles. Recientemente tuvo una zona en el vertedero experimentado temperaturas elevadas de gas y hundimiento de la superficie, acompañado de valores altos de SEM, debido a la reacción de la subsuperficie.

Conforme a la Condición 12.d de la Orden de Depuración Estipulada (SOFA) (Caso No. 6177-4) entre el SCAQMD y Chiquita Canyon, LLC (Chiquita), Chiquita debe conducir un estudio adicional de la cámara de flujo como seguimiento de un estudio de la cámara de flujo completado previamente bajo la dirección del Departamento de Salud Pública del Condado de Los Ángeles, que se presentó al SCAQMD antes del 31 de octubre de 2023. Los procedimientos para este estudio adicional, como se detalla en Condición 12.d, se indican a continuación:

El demandado debe realizar un estudio de biogás adicional de metano, compuestos orgánicos sin metano ("NMOC"), azufre total reducido ("TRS") y compuestos de azufre especiados, para determinar el flujo en la superficie de todo el vertedero. El estudio debe ser realizado utilizando cámaras de flujo estáticas orientadas en varias ubicaciones en todo el sitio del vertedero. El demandado debe elaborar un protocolo propuesto para el estudio, en base a los resultados del estudio inicial y deberá presentar el protocolo al AQMD de la Costa Sur [Baitong Chen, Ingeniero en Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior en Calidad del Aire, (ndickel@aqmd.gov) y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov)] para que sea revisado y aprobado antes del 31 de diciembre de 2023. Debe presentar al AQMD de la Costa Sur un informe que documente las diferencias en los hallazgos entre el estudio inicial y el estudio adicional antes de los 90 días después de que el AQMD de la Costa Sur apruebe el protocolo [Baitong Chen, Ingeniero en Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior en Calidad del Aire, (ndickel@aqmd.gov) y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov)].

Este protocolo está previsto para tratar los requerimientos de la SOFA, como también para proporcionar una evaluación de las emisiones para determinar las emisiones de olor del vertedero y otras sustancias tanto para la "zona no reactiva" como para la "zona reactiva" del Vertedero.

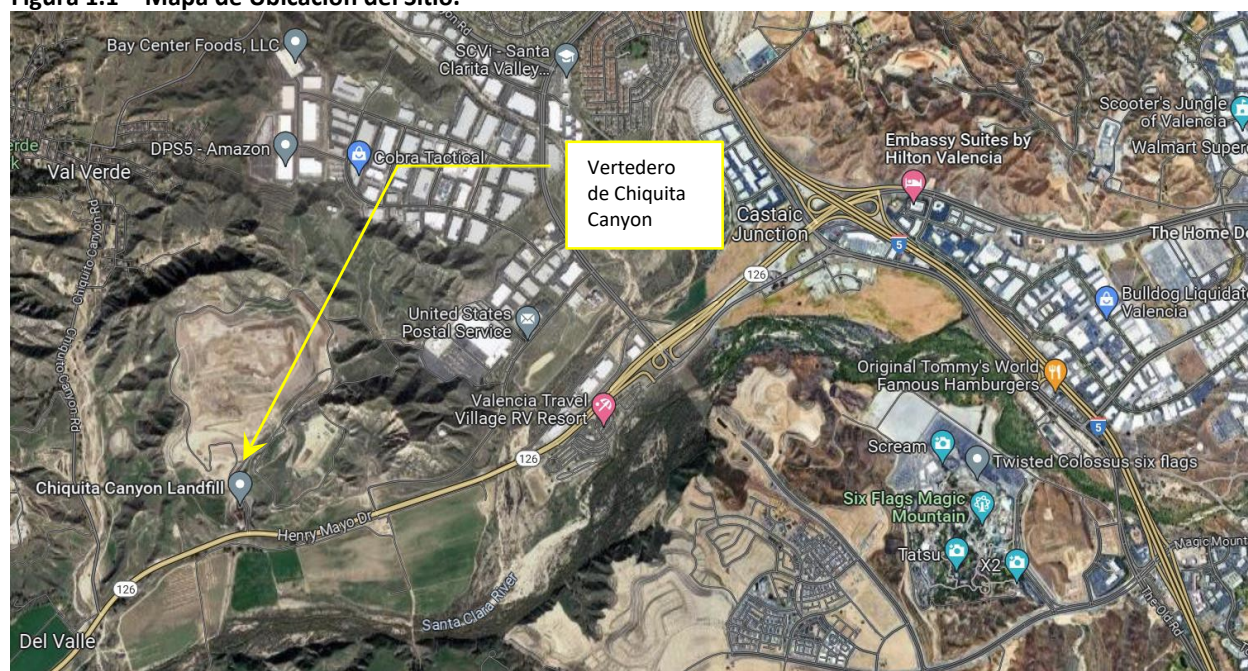
En relación a las tecnologías a ser utilizadas para las pruebas, al igual que para el estudio inicial de la cámara de flujo, se utilizará la tecnología de cámara de flujo de aislamiento de emisiones en la superficie (cámara de flujo) de la Agencia de Protección Ambiental de EE.UU. (USEPA). Esta tecnología de preferencia de USEPA, con su modificación y como se describe en la Regla 1133.3 del SCAQMD en el Adjunto A, es un método de cámara dinámica para la medición directa de fuentes en el área advectiva. Este modelo se describe en mayor detalle en la Sección 5.

Además, se tomarán datos que permitirán que se estime con precisión emisiones pasadas y futuras en base a eventos SEM pasados y futuros.

Ubicación del Sitio

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

Figura 1.1 – Mapa de Ubicación del Sitio.



Descripción de las Instalaciones

El Vertedero de Chiquita Canyon es un centro de disposición de MSW activo.

Objetivo

El objetivo de esta evaluación adicional de emisiones es cuantificar por mediciones de campo las emisiones de olor en la atmósfera, los gases fijos (incluyen metano, dióxido de carbono y monóxido de carbono), compuestos de azufre reducidos y compuestos orgánicos volátiles (VOCs) de especiación del área del Vertedero afectado mediante la reacción y las áreas no afectadas por la reacción.

Las emisiones de aire se medirán directamente utilizando la Cámara de Flujo con Aislamiento de Emisiones en la Superficie (cámara de flujo) de USEPA siguiendo el documento de Orientación al Usuario de USEPA. Se tomaron muestras completas del aire

de la cámara de flujo con un depósito Summa® revestido y una bolsa Tedlar® con análisis que siguieron los siguientes métodos:

- E-679 de la Sociedad Estadounidense para Pruebas y Materiales (ASTM) para olor olfativo,
- ASTM D-1945/USEPA Método 3C para gases fijos (incluyen metano, dióxido de carbono y monóxido de carbono),
- Método 3C de USEPA para helio,
- Método 307-91 del SCAQMD para ácido sulfhídrico (H₂S) /azufre reducido orgánico (ORS);
- Método TO-15 de USEPA para VOCs de especiación y
- Método TO-12 de USEPA para VOC total sin metano con grupo funcional/distribución de peso molecular.

Los flujos de las superficies del suelo pueden ser difusivos (conducidos por acción molecular), advectivos (conducidos por el movimiento del gas) o una combinación de ambos.

Dado que se espera que las superficies del vertedero tengan un flujo advectivo en algunos o varios lugares, la evaluación de la cámara de flujo Testamentos incluye el uso de un rastreador (10% de helio) en el gas de aire de barrida de la cámara según la Regla 1133.3 del SCAQMD, Adjunto A. Se utilizará la dilución del rastreador tomado de las muestras del depósito evacuado para calcular el flujo total en la cámara de flujo para evaluar las emisiones. Se debe tener en cuenta que las muestras del TO-12, TO-15, and ASTM D-1945/USEPA Método 3C serán tomadas y analizadas del mismo depósito de toma de muestras.

2. Alcance de la Toma de Muestras

Este estudio se enfocará en la evaluación de las emisiones de aire de zonas del Vertedero afectadas por la reacción y zonas no afectadas por la reacción. Cada zona del vertedero será testeada utilizando la tecnología de cámara de flujo. Se utilizarán los datos de medición de la cámara de flujo tomados en lugares representativos dentro de las celdas de la cuadrícula para estimar las emisiones de olor/NMOC/compuestos de azufre/contaminante de aire tóxico (TAC)/gases fijos del Vertedero.

Se propone agrupar las celdas (consulte la Tabla 2.1) para evaluar las celdas de emisiones altas, medias y bajas (en base a los datos del estudio) tanto para superficies de la zona no reactiva como para superficies de la zona reactiva. Además, para comprender mejor la variabilidad, se analizarán las celdas de emisiones medias replicadas junto con una celda que se analizará dos veces, esperando por lo menos 24 horas entre una prueba y otra.

El producto del programa de mediciones, que se basa en los datos de los estudios o de monitoreo para conocer el potencial de emisiones de aire es un flujo promedio de olor/NMOC/azufre/TAC por categoría de celda de cuadrícula.

Estos datos de los flujos de las celdas de las cuadrículas, multiplicados por la cantidad de celdas de la cuadrícula en estas categorías sumadas, representarán las emisiones de aire de compuestos de la operación del vertedero.

Tabla 2.1 Alcance de las Pruebas de las Cámaras de Flujo para Analizar las Emisiones del Vertedero

ORIGEN	Pruebas de la Cámara de Flujo	Toma de Muestras de Olor/TAC/Gas Fijo/VOC	Comentario
Superficies del Vertedero con Zonas No Reactivas			
Celda de la Cuadrícula Bajo la Categoría de Emisiones Altas	4	4	Muestras distribuidas dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Celda de la Cuadrícula Bajo la Categoría de Emisiones Medias	4	4	Muestras distribuidas dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Segundo Medio Celda de la Cuadrícula Bajo la Categoría de Emisiones	4	4	Celda duplicada para Aseguramiento de la Calidad/Control de Calidad
Celda de la Cuadrícula Bajo la Categoría de Emisiones Bajas	4	4	Muestras distribuidas dentro de los niveles de potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Superficies del Vertedero con Zonas Reactivas (Huella)			
Celda de la Cuadrícula Bajo la Categoría de Emisiones Altas	4	4	Muestras distribuidas dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Celda de la Cuadrícula Bajo la Categoría de Emisiones Medias	4	4	Muestras distribuidas dentro de los niveles de potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Segunda Celda de la Cuadrícula Bajo la Categoría de Emisiones Medias	4	4	Celda duplicada para Aseguramiento de la Calidad/Control de Calidad
Celda de la Cuadrícula Bajo la Categoría de Emisiones Bajas	4	4	Muestras distribuidas dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Superficies de las Zona de Excesos			
Intención de cuantificar la diferencia en las pruebas de la cuadrícula	4	4	Muestras tomadas en la misma celda o distribuidas dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Superficies de las Zona Repetidas			
Intención de cuantificar la diferencia en las pruebas de la cuadrícula	4	4	Muestras tomadas en las ubicaciones de prueba iniciales marcadas, dentro de los niveles con potenciales emisiones dentro de la categoría de la celda de la cuadrícula
Muestras en Blanco para Control de Calidad		4	Mínimo de 5% de Muestras en Blanco
Muestras Duplicadas para Control de Calidad		4	Mínimo de 5% de Muestras en Blanco
Total	40	48	

3. Control de Calidad

Los procedimientos de control de calidad (QC) que se utilizan para asegurar datos de calidad en la medición de la cámara de flujo se indican y describen a continuación. USEPA no recomienda ningún requerimiento de QC específico excepto que se utilice un medidor de flujo para introducir el aire de barrida a un índice de 5.0 litros por minuto (l/min), que requiere calibración (es decir, varias pruebas de calibración en un mismo punto de uso utilizando un estándar primario actual para el año). El rotómetro utilizado como parte de la prueba para la medición de emisiones no debe ser utilizado para otras aplicaciones, asegurando el funcionamiento limpio del sistema de introducción de aire. El funcionamiento de la cámara debe seguir el protocolo específico para el uso descrito en la Guía del Usuario de USEPA. Incluye el uso de un índice de flujo de aire de barrida de 5.0 l/min y permitir cinco momentos de residencia para lograr la calibración antes de que se tomen muestras. A continuación, se indican otros procedimientos de control de calidad para las muestras.

- Muestra en Medios en Blanco -- Se obtiene una muestra de medios en blanco llenando el medio de la toma de muestra con aire de pureza ultra alta, agua o solución de borboteo en el campo y manejando las muestras de medios en blanco como muestras de campo. La frecuencia de la toma de muestras en medios en blanco es de un mínimo del 5% o una por recorrido. Las muestras de medios en blanco se toman todos los días y estos datos se utilizan para establecer la referencia del sistema.
- Muestra Replicada -- La precisión de la muestra se determina tomando una muestra replicada inmediatamente después de que se toma y analiza una muestra tanto en la muestra de campo como en la muestra de campo replicada. La frecuencia de la toma de muestras replicadas será de un mínimo del 5%; se tomará una muestra replicada a diario. Los criterios para la precisión aceptable en el campo son de una diferencia de porcentaje relativa (RPD) del $\pm 50\%$.
- Desempeño del Método Específico -- Se realizó un control de calidad del método específico cumpliendo con los requerimientos del método analítico. Incluye blancos de laboratorio, recuperación de especies y cumplimiento de otros objetivos de desempeño del método como calibración e identificación del tiempo de retención. Los laboratorios seguirán los requerimientos de aseguramiento de la calidad del método para todos los métodos indicados.
- Manejo de las Muestras -- El manejo de las muestras se define por el método de toma de muestras específico utilizado para cumplir con los objetivos del programa. El manejo de las muestras generalmente incluye todas las actividades, incluso registrar, preservar, almacenar, manipular y enviar las muestras de campo. En las Tablas 3.1 y 3.2 se proporciona un resumen de la información sobre el manejo de las muestras para las actividades de medición propuestas en el campo.

Tabla 3.1 - Resumen de la Información sobre el Manejo de las Muestras

Método Analítico	Contenedor de Muestras	Tiempo de Retención	Preservación	Consideraciones Especiales	Comentario
ASTM E-679	Bolsa Tedlar® de 10 litros	30 horas	Ninguno	Enviar en Cartón	Ninguno
Método TO-15/TO-12 de USEPA	Depósito de 6 litros	28 días	Ninguno	Enviar en Cartón	Ninguno
SCAQMD 307-91	Bolsa Tedlar® de 1 litro	24 horas	Ninguno	Enviar en Cartón	Ninguno
ASTM D-1945/USEPA Método 3C	Depósito de 6 litros	30 días	Ninguno	Enviar en Cartón	Ninguno

Los calificadores de datos que se utilizarán para ayudar en el uso de los datos incluyen:

- J -- valor estimado o por debajo del límite para reportar del método (MRL);
- B -- valor que se encuentra en la muestra en blanco y en la referencia corregida; y
- E -- valor que se encuentra en un nivel que excede el rango de calibración.

Se utilizarán los datos de recuperación y precisión del laboratorio, como también los datos de precisión del campo para calificar el uso de datos para el programa de la cámara de flujo del sitio.

Las actividades de control de calidad del campo programadas para las pruebas de campo se resumen en la Tabla 3.2. La desviación en el programa o en la frecuencia de las actividades de control de calidad requerirán una acción correctiva, que incluye la documentación de la acción correctiva en el cuaderno del campo e informar al gerente de proyectos de SCS sobre la desviación y la acción correctiva.

Tabla 3.2. Resumen de la Información de Control de Calidad de Campo

Método Utilizado en la Toma de Muestras	Actividad	Frecuencia	Criterios	Comentario
Cámara de Flujo	Punto Único del Rotómetro Calib.	Una vez al año	Definir la Configuración del Rotómetro	Ninguno
Blanco del Campo	Todos los medios	Mínimo del 5%	Ninguno	Uso Como Datos de Referencia
Muestra Replicada	Todos los medios	Mínimo del 5%	± 50% RPD	Calificar las Excedencias

4. Estrategia para la Toma de Muestras

Las ubicaciones de las muestras serán seleccionadas en base a los datos de SEM obtenidos durante el programa SEM de la Regla 1150.1 del SCAQMD. El programa SEM consiste en realizar un levantamiento de la superficie del vertedero sobre una pista utilizando un instrumento portátil en el campo, calibrado, sensible al metano y a hidrocarburos no metanos totales (TNMHC). Utilizando esta metodología, se seleccionarán las celdas de la cuadrícula del vertedero para realizar las pruebas de la cámara de flujo. El patrón de la cuadrícula del vertedero que muestra las celdas designadas de la cuadrícula en la zona reactiva se muestra en la Figura 4.1.

Metodología para la Selección de Celdas de Prueba

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

Los eventos del SEM se llevaron a cabo utilizando un instrumento apto con un detector de ionización de llama (FID) junto con una grabación del lugar por sistema de posicionamiento global (GPS) para cartografiar las concentraciones de hidrocarburos fugitivos en la superficie siguiendo un patrón en cada celda de la cuadrícula para el sitio. Los datos instantáneos de las concentraciones fugitivas se determinan recorriendo el lugar a pie en forma de serpentina por cada celda de cuadrícula del vertedero de 50,000 pies cuadrados (pies²) nominales. Los datos integrados de las concentraciones se determinan promediando las lecturas de los instrumentos obtenidas mientras se atravesaba el camino en forma de serpentina, como se ilustra en la Figura 4.2.

Se tomarán y se guardarán los datos de las concentraciones de emisiones y la información de la ubicación con el propósito de clasificar las celdas de la cuadrícula en el Vertedero por concentración de emisiones. Los datos de las concentraciones integradas serán utilizados para "clasificar" las celdas de la cuadrícula en categorías de emisiones altas, medias y bajas. Se utilizarán los datos instantáneos de las concentraciones fugitivas para seleccionar lugares representativos para realizar las pruebas de la cámara de flujo donde se tomarán los datos del flujo para observar olores/VOCs/azufre/TACs. Se utilizará el flujo de estos lugares representativos para estimar las emisiones de aire de todas las superficies de estas celdas.

Las tablas 4.1 a 4.3 muestran los datos integrados del SEM clasificados para las celdas de las zonas no reactivas para el período del 1 de mayo de 2023 al 25 de julio de 2023. La tabla 4.4 muestra los datos integrados del SEM clasificados para las celdas de las zonas reactivas para el período del 1 de mayo de 2023 al 25 de julio de 2023. Los datos incluidos en las Tablas 4.1 a 4.4 son del primer evento de prueba y aquí se proporcionan únicamente para propósitos ilustrativos. Para el evento de prueba real, se utilizarán todos los datos disponibles, donde se les dará más énfasis a los datos más recientes.

La columna 1 mostrará la designación numérica de la celda de la cuadrícula.

La columna 2 mostrará el área de la superficie de cada celda de la cuadrícula (cada celda de la cuadrícula nominalmente es de 50,000 pies cuadrados, pero para este análisis, se utilizará el área exacta de cada celda de la cuadrícula).

Las columnas 3 a 8 mostrarán los valores del SEM integrados (respuesta de FID como ppmv de metano) para cada evento de SEM. El evento SEM más reciente se mostrará en rojo.

La Columna 9 mostrará el promedio de todos los eventos SEM.

La columna 10 mostrará el promedio acumulado de todas las celdas por encima de la celda en cuestión.

Figura 4.1 Formación de la Cuadrícula de Celdas del Vertedero de Chiquita Canyon (están resaltadas las celdas de la zona reactiva).

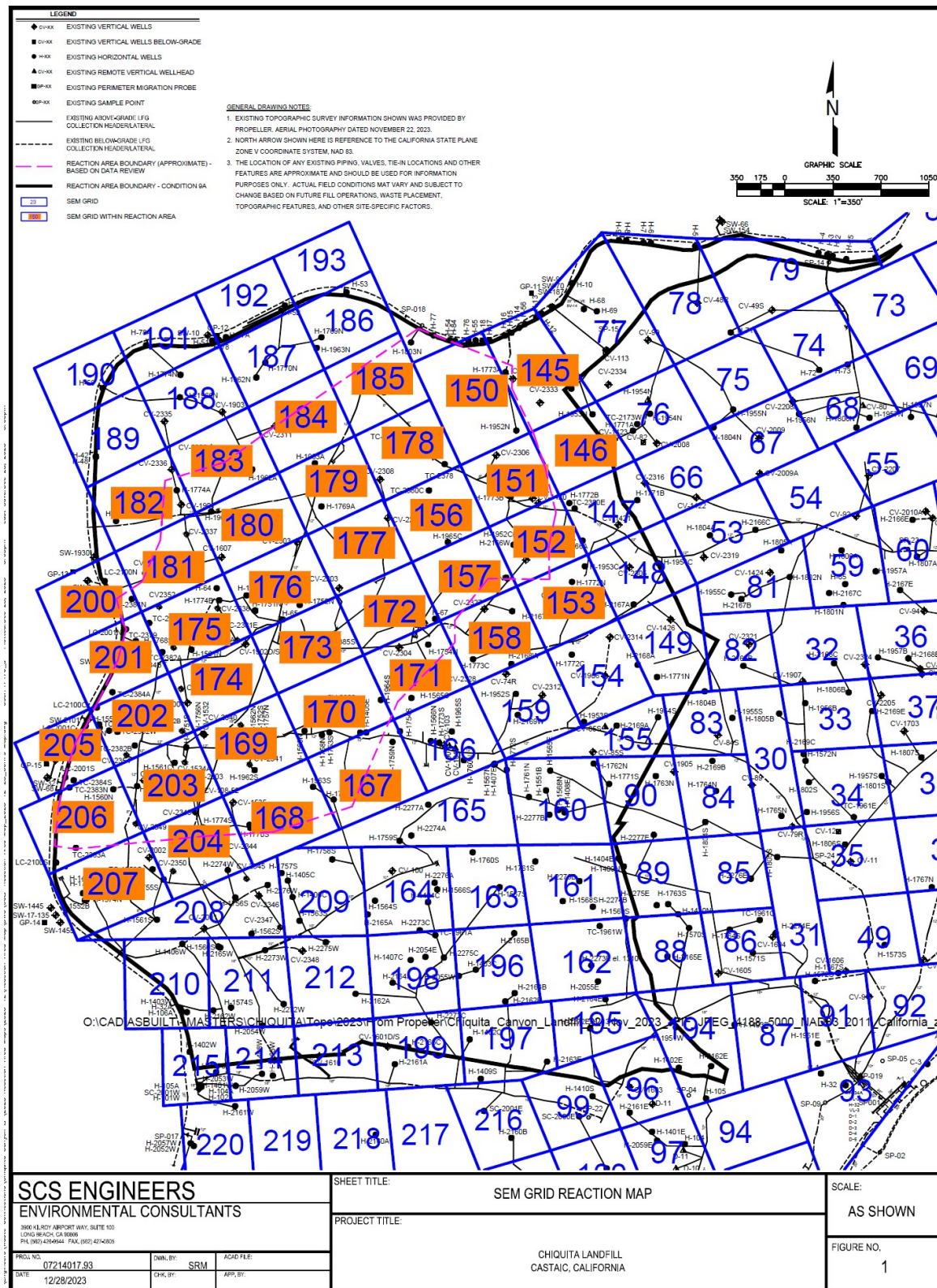


Figura 4.2 Patrón de Recorrido Típico en Serpentina en el Vertedero para una Cuadrícula de 50,000 Pies Cuadrados (de la Regla 1150.1).

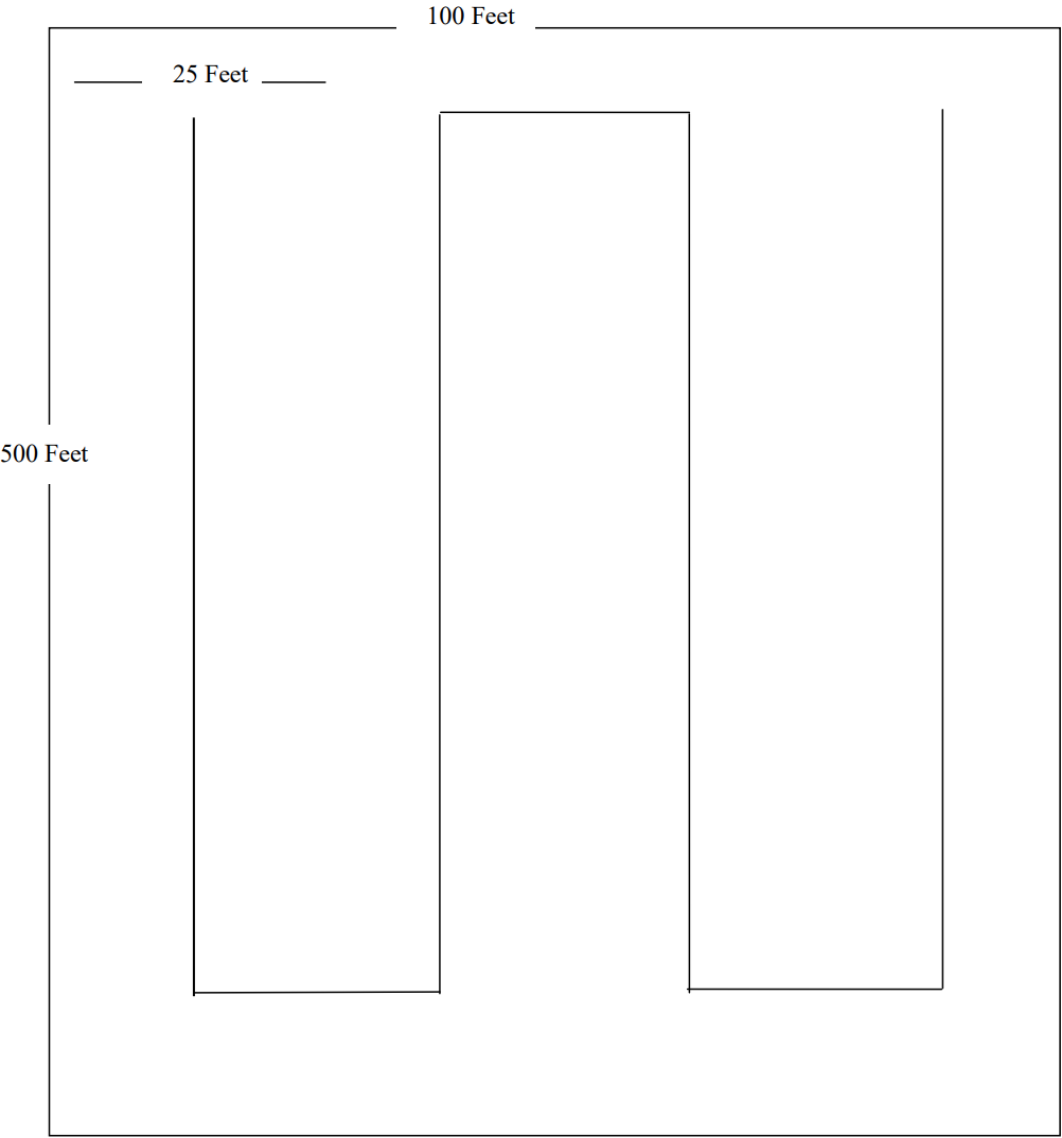


Tabla 4.1 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (1/5/2023 – 25/7/2023 utilizados como ejemplo) (ppmv de metano del FID). Celdas de Emisiones Altas

Cuadrícula		Data de SEM									Promedio	
Código	(pies²)	01/5/2023	15/5/2023	31/5/2023	14/6/2023	28/6/2023	12/7/2023	25/7/2023	24/8/2023	FID	Acumulativo	
77	99,941	HE	8	8	10	15	13	5	13	10.29	10.29	
150	70,989	5	7	7	12	10	14	6	17	9.75	20.04	
188	50,699	10	9	7	18	9	7	3	15	9.75	29.79	
158	49,522	6	14	16	7	8	4	7	12	9.25	39.04	
186	46,611	8	4	18	15	6	10	4	9	9.25	48.29	
78	82,334	HE	7	12	9	16	5	4	10	9.00	57.29	
80	46,342	HE	3	3	10	18	7 HE		13	9.00	66.29	
182	52,362	8	3	6	12	10	14	6	12	8.88	75.16	
185	50,993	7	8	10	9	10	10	6	11	8.88	84.04	
183	54,617	7	6	15	11	8	8	5	10	8.75	92.79	
145	60,197	4	9	5	12	11	10	6	12	8.63	101.41	
184	51,245	7	5	11	12	4	11	5	14	8.63	110.04	
190	44,958	7	3	10	10	10	10	6	12	8.50	118.54	
193	38,070	8	5	4	15	7	14	6	8	8.38	126.91	
210	62,428	26	5	6	8	5	6	7	4	8.38	135.29	
79	87,028	HE	3	6	11	15	3 HE		12	8.33	143.62	
228	32,278	8 AT	AT	AT	AT	AT	AT	AT	AT	8.00	151.62	
187	47,666	6	8	12	10	3	8	3	13	7.88	159.49	
192	40,754	5	7	9	11	9	10	3	9	7.88	167.37	
146	45,166	6	6	12	3	7	4	4	19	7.63	174.99	
191	44,606	6	4	7	12	9	9	4	10	7.63	182.62	
148	50,546	AT	7	10	9	5	8	5	9	7.57	190.19	
152	42,032	AT	8	7	10	5	3	5	13	7.29	197.48	
82	42,779	AT	8	7	4	4	7	13 AT		7.17	204.64	
55	58,851	5	6	9	12	5	8	8	3	7.00	211.64	
83	38,592	5	3	8	4	5	4	20 AT		7.00	218.64	
147	45,961	AT	4	8	14	1	7	4	11	7.00	225.64	
229	49,011	7 AT	AT	AT	AT	AT	AT	AT	AT	7.00	232.64	
230	49,427	7 AT	AT	AT	AT	AT	AT	AT	AT	7.00	239.64	
234	42,867	7 AT	AT	AT	AT	AT	AT	AT	AT	7.00	246.64	
75	51,225	6	7	5	8	5	8	6	8	6.63	253.27	
189	49,163	7	2	3	17	4	6	5	9	6.63	259.89	
236	41,876	7	9	4	4	6	4	12	7	6.63	266.52	
153	45,864	AT	8	12	7	2	3	5	9	6.57	273.09	
53	60,197	8	5	13	4	8	2	6	6	6.50	279.59	
84	48,990	7	7	2	4	2	8	14	8	6.50	286.09	
54	53,298	7	3	10	8	7	4	8	4	6.38	292.46	
167	62,172	6	8	5	12	2	7	5	6	6.38	298.84	
168	59,314	10	6	8	10	5	2	5	5	6.38	305.21	
76	48,758	6	9	5	4	5	5	6	10	6.25	311.46	
217	53,205	6	8	5	4	4	4	16	3	6.25	317.71	
58	46,507	AT	6	8	7	6	6 HE		4	6.17	323.88	
60	58,550	16	6	5	6	5	5	4	2	6.13	330.01	
89	47,690	6	8	4	6	7	7	6	5	6.13	336.13	
72	59,809	5	5	3	6	7	9 HE		7	6.00	342.13	

Notas para las Tablas 3.1 a 3.4:

1. "HE" significa que la celda de la cuadrícula no fue monitoreada debido a que había equipos pesados operando en la celda de la cuadrícula.
2. "AT" significa que la celda de la cuadrícula no fue monitoreada debido a la disposición de la basura activa en la celda de la cuadrícula.

Tabla 4.2 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (1/5/2023 – 25/7/2023 utilizados como ejemplo) (ppmv de metano del FID). Celdas de Emisiones Medias

Cuadrícula		Data de SEM								Promedio	
Código	(pies²)	1/5/2023	15/5/2023	31/5/2023	14/6/2023	28/6/2023	12/7/2023	25/7/2023	24/8/2023	FID	Acumulativo
81	48,343	6	9	2	5	3	4	15	3	5.88	348.01
85	45,482	9	7	5	3	1	3	10	9	5.88	353.88
101	42,395	9	4	9	2	5	8	4	6	5.88	359.76
219	49,910	5	7	5	2	8	5	14	1	5.88	365.63
220	49,909	6	5	7	7	3	4	10	5	5.88	371.51
40	56,878	6	2	6	9	4	8	5	6	5.75	377.26
97	42,564	7	4	8	5	5	6	10	1	5.75	383.01
160	66,546	7	6	6	5	6	5	6	5	5.75	388.76
35	56,295	6	6	8	5	2	9	6	3	5.63	394.38
166	56,594	6	8	4	8	3	5	5	6	5.63	400.01
209	60,969	7	7	2	8	7	4	6	4	5.63	405.63
216	50,931	7	4	4	3	9	2	14	2	5.63	411.26
57	58,263	9	4	3	7 AT	AT		5 AT		5.60	416.86
73	55,815	6	5	8	5	2	7 HE		6	5.57	422.43
66	45,494	7	7	3	10	2	2	5	8	5.50	427.93
67	47,130	7	5	5	8	2	6	4	7	5.50	433.43
71	43,736	AT	4	4	6	6	5 HE		8	5.50	438.93
98	41,663	9	2	6	7	7	3	6	4	5.50	444.43
87	58,663	9	6	7	4	4	1	6	6	5.38	449.80
99	46,820	9	3	6	6	6	4	5	4	5.38	455.18
161	60,199	5	9	3	4	2	7	6	7	5.38	460.55
213	46,753	6	5	3	4	5	6	6	8	5.38	465.93
235	19,742	6 AT		8	1	6	8 AT		3	5.33	471.26
32	55,304	AT	3	9	8	3	3	5	6	5.29	476.55
42	57,899	7	4 AT		7	4	5	5	5	5.29	481.83
48	55,467	10	2	2	8	7	4 HE		4	5.29	487.12
31	55,775	7	11	3	2	7	2	4	6	5.25	492.37
86	43,299	10	5	5	3	3	3	10	3	5.25	497.62
163	50,009	6	3	5	5	3	5	8	7	5.25	502.87
95	49,782	6	7	2	9	3	4 HE		HE	5.17	508.03
103	44,432	6	4	3	6	3	5	12	2	5.13	513.16
104	42,522	6	5	10	3	3	2	6	6	5.13	518.28
149	56,413	AT	5	6	3	2	11	3 AT		5.00	523.28
214	40,386	9	3	4	2	7	3	5	7	5.00	528.28
218	52,805	6	7	4	1	2	4	13	3	5.00	533.28
69	52,221	4	4	6	9	3	2	6	5	4.88	538.16
70	55,632	9	6	2	8	4	2	5	3	4.88	543.03
100	44,490	6	8	5	8	2	3	4	3	4.88	547.91
198	58,685	4	3	5	5	6	4	5	7	4.88	552.78
221	45,169	7	5	3	5	3	4	10	2	4.88	557.66
93	88,479	8	2	4	2	6	7 HE		HE	4.83	562.49
34	55,632	7	4	3	8	2	4	6	4	4.75	567.24
63	57,567	AT	6	3	4 AT	AT		6 AT		4.75	571.99
88	47,618	7	2	7	3	2	1	8	8	4.75	576.74
102	45,969	6	3	6	3	8	4	3	5	4.75	581.49
165	79,844	8	2	3	7	5	2	4	7	4.75	586.24
196	52,053	7	8	2	7	3	2	3	6	4.75	590.99
215	40,916	8	3	1	6	6	3	4	7	4.75	595.74
227	45,403	6	2	9	2	2	1	12	4	4.75	600.49
155	44,022	9	4	3	6	3	2	6 AT		4.71	605.21
62	60,736	8	3	3	5 AT	AT		4	5	4.67	609.87
65	58,090	AT	2	2	12	4	5 HE		3	4.67	614.54
38	60,634	7	2	9	7	3	2	5	2	4.63	619.17
39	62,100	9	5	6	5	2	4	5	1	4.63	623.79
43	55,491	8	1	6	5	5	6	4	2	4.63	628.42
44	35,715	7	5	4	10	2	4	4	1	4.63	633.04
50	61,680	8	5	5	6	1	5	3	4	4.63	637.67
56	61,386	7	1	4	4	3	6	6	6	4.63	642.29
59	53,384	9	3	4	3	3	3	4	8	4.63	646.92
68	47,853	4	2	7	5	5	4	3	7	4.63	651.54
90	53,791	8	8	3	4	2	3	5	4	4.63	656.17
162	60,853	4	8	4	5	4	2	5	5	4.63	660.79
211	59,725	9	4	4	7	1	5	5	2	4.63	665.42
226	48,737	8	6	4	1	4	1	10	3	4.63	670.04
41	58,579	7	3 AT		6	2	5	6	3	4.57	674.61
36	60,138	5	3	6	7	2	3	6	4	4.50	679.11
64	51,169	AT	6	6	5	3	4 HE		3	4.50	683.61
94	57,008	7	6	2	5	4	3 HE		HE	4.50	688.11

Tabla 4.3 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (1/5/2023 – 25/7/2023 utilizados como ejemplo) (ppmv de metano del FID). Celdas de Emisiones Bajas

Cuadrícula		Data de SEM										Promedio	
Código	(pies²)	1/5/2023	15/5/2023	31/5/2023	14/6/2023	28/6/2023	12/7/2023	25/7/2023	24/8/2023		FID	Acumulativo	
159	56.972	6	4	5	5	6	2	6	2		4.56	692.61	
212	58.054	6	5	3	5	6	3	3	5		4.56	697.11	
225	38.630	7	5	2	3	5	8	5	1		4.56	701.61	
33	50.273	AT	3	6	3	4	6	3	6		4.43	706.04	
74	50.957	6	4	2	7	3	4 HE		5		4.43	710.47	
11	55.395	3	3	7	1	5	5	6	5		4.38	714.84	
19	57.192	3	4	4	7	5	4	2	6		4.38	719.22	
96	45.229	7	4	3	2	3	8	6	2		4.38	723.55	
30	53.460	AT	5	2	4	5	4	6 AT			4.31	727.91	
154	54.536	AT	7	3	3	7	2	4 AT			4.31	732.22	
8	57.675	3	3	4	5	5	6	3	5		4.25	736.51	
37	57.548	6	4	5	8	1	3	5	2		4.25	740.76	
49	55.750	6	7	3	3	5	4	4	2		4.25	745.01	
126	48.416	3	4	7	3	7	2	5	3		4.25	749.26	
127	48.271	3	4	3	3	4	5	4	8		4.25	753.51	
164	61.548	7	5	2	3	5	3	6	3		4.25	757.76	
195	44.221	6	3	3	3	8	1	6	4		4.25	762.01	
223	48.150	8	2	7	2	1	3	8	3		4.25	766.26	
5	56.526	4	2	4	5	4	6 HE	HE			4.17	770.41	
2	45.352	2	3	3	6	5	8	4	2		4.17	774.55	
3	50.019	2	5	5	6	2	7	4	2		4.17	778.68	
28	39.741	3	3	4	4	5	7	4	3		4.17	782.88	
91	47.895	6	4	8	3	2	3	5	2		4.17	786.91	
92	47.660	4	2	7	2	3	6	4	5		4.17	791.05	
120	46.799	5	4	7	3	2	3	4	5		4.17	795.15	
130	34.533	3	1	1	7	2	6	5	8		4.17	799.30	
197	56.626	7	4	6	3	3	1	6	3		4.17	803.43	
1	42.205	3	4	6	5	4	3	3	4		4.06	807.43	
4	53.410	3	4	2	3	3	9	4	4		4.06	811.41	
18	42.901	3	3	5	4	5	2	6	4		4.06	815.41	
26	54.472	3	3	4	2	5	6	3	6		4.06	819.41	
47	56.104	6	1	3	7	6	2	5	2		4.06	823.41	
52	55.676	7	3	2	5	3	2 HE		6		4.06	827.43	
61	58.640	7	5	2	2	2	2	5	7		4.06	831.43	
129	46.067	4	3	2	5	5	3	6	4		4.06	835.43	
116	39.267	4	3	3	5	5	6	3	2		3.88	839.30	
121	46.453	4	4	4	5	1	5	4	4		3.88	843.18	
138	46.590	3	5	1	2	3	6	4	7		3.88	847.07	
199	52.647	5	7	2	5	3	4	4	1		3.88	850.90	
45	58.267	5	3 AT		5	5	2	4	3		3.86	854.78	
46	57.683	4	4 AT		3	6	1	6	3		3.86	858.64	
6	55.760	3	4	5	4	2	5 HE	HE			3.81	862.48	
106	50.785	3	3	6	1	3	5	2	7		3.75	866.21	
111	54.270	3	6	3	4	5	3	4	2		3.75	869.96	
222	47.335	7	1	4	2	4	2	9	1		3.75	873.71	
224	47.895	6	2	7	4	2	2	6	1		3.75	877.46	
13	54.190	3	4	8	2	2	3 HE	HE			3.67	881.14	
51	62.750	9	2	2	3	2	3	6	2		3.67	884.77	
113	31.853	4	1	4	1	5	4	3	7		3.67	888.35	
114	58.149	3	1	8	4	2	8	2	1		3.67	892.02	
117	42.797	3	4	2	1	3	8	2	6		3.67	895.64	
123	37.280	3	2	4	5	3	4	2	6		3.67	899.27	
131	41.070	3	4	4	5	2	5	4	2		3.67	902.88	
134	43.452	4	2	5	6	4	1	4	3		3.67	906.52	
194	71.501	7	2	3	8	1	2	3	3		3.67	910.14	
23	56.405	3	6	1	3	1	3	3	8		3.56	913.64	
124	43.289	2	5	3	6	6	1	3	2		3.56	917.14	
125	46.593	3	6	1	2	3	5	4	4		3.56	920.64	
128	48.480	4	2	5	2	2	1	5	7		3.56	924.14	
132	43.711	5	4	4	4	1	5	3	2		3.56	927.64	
136	33.845	3	3	6	1	1	4	5	5		3.56	931.14	
15	55.063	3	1	5	5	1	6	4	2		3.38	934.52	
21	72.168	2	4	4	1	3	4	3	6		3.38	937.85	
22	58.442	3	4	3	2	4	5	4	2		3.38	941.27	
24	55.473	2	5	2	5	2	4	3	4		3.38	944.64	
108	52.575	4	1	7	4	1	2	4	4		3.38	948.02	
133	44.845	4	1	6	2	4	5	4	1		3.38	951.35	
135	43.154	3	4	2	4	2	3	6	3		3.38	954.77	
137	45.071	4	1	5	1	4	2	5	5		3.38	958.14	
142	46.169	4	5	4	2	2	2	6	2		3.38	961.52	
118	45.475	3	2	3	2	1	9	4	2		3.25	964.77	
140	42.878	4	2	2	3	6	4	2	3		3.25	968.02	
143	48.041	2	5	2	3	4	1	5	4		3.25	971.27	
144	68.243	2	2	6	3	1	4	5	3		3.25	974.52	
12	55.625	3	2	3	3	2	6 HE	HE			3.17	977.68	
29	43.858	3	2	3	6	2	2	5	2		3.17	980.81	
109	55.703	4	1	6	2	3	2	5	2		3.17	983.91	
119	46.712	4	1	3	1	5	4	4	3		3.17	987.06	
7	50.364	4	2	2	2	2	6 HE	HE			3.06	990.06	
110	55.586	4	3	2	2	3	1	3	6		3.06	993.06	
139	46.331	4	2	1	4	4	3	3	3		3.06	996.06	
14	57.525	2	2	2	2	3	3	5	4		2.88	998.91	
20	53.895	3	2	4	3	2	4	4	1		2.88	1,001.81	
105	47.304	2	4	2	5	4	1	3	2		2.88	1,004.68	
107	22.162	3	3	2	3	1	3	4	4		2.88	1,007.54	
141	41.413	3	5	4	2	2	1	4	2		2.88	1,010.43	
10	66.970	2	2	2	4	3	4 HE				2.87	1,013.27	
17	54.072	2	3	2	6	2	1	3	3		2.75	1,016.02	
25	58.414	2	2	4	1	2	4	3	4		2.75	1,018.77	
112	46.549	3	2	3	2	1	4	5	2		2.75	1,021.55	
122	45.247	3	3	1	4	1	1	3	6		2.75	1,024.27	
9	54.331	3	4	3	1	2	3 HE	HE			2.67	1,026.91	
115	52.538	3	1	1	3	5	3	4	1		2.67	1,029.56	
16	60.337	2	1	3	1	3	2	4	2		2.25	1,031.81	
27	59.711	2	1	5	2	1	2	2	2		2.17	1,033.91	

Tabla 4.4 Resumen de Datos de la Cuadrícula Integrada Ordenada por Celda en la Zona de Excedencia (1/5/2023 – 25/7/2023 utilizados como ejemplo) (ppmv de metano del FID). Todas las Celdas

Cuadrí cula			Data de SEM								Promedio		
Códig o	RG?	Área (pies²)	1/5/2023	15/5/2023	31/5/2023	14/6/2023	28/6/2023	12/7/2023	25/7/2023	24/8/2023	FID	Acum.	
Zona de Excesos													
206	Sí	61,365	21	18	36	13	4	3	21	120	29.50	29.50	
176	y	52,356	9	10	7	8	40	5	10	76	20.63	50.13	
175	y	50,430	9	15	4	15	9	4	45	68	21.13	71.25	
201	Sí	47,960	17	30	9	14	9	5	13	48	18.13	89.38	
202	y	45,736	29	20	10	9	8	4	21	31	16.50	105.88	
181	y	49,379	8	15	30	10	16	8	22	29	17.25	123.13	
174	y	48,344	7	18	11	11	11	8	35	28	16.13	139.25	
Zona Reactiva													
151	y	43,622	AT	6	83	13	7	4	5	21	19.86	19.86	
203	y	51,487		19	27	12	9	25	20	18	17.38	37.23	
156	y	47,581	AT		12	10	27	9	6	5	18	12.43	49.66
172	y	44,946		8	13	28	30	25	9	3	17	16.63	66.29
200	Sí	46,964		17	17	11	8	11	8	13	17	12.75	79.04
180	y	51,775		9	14	12	4	12	12	10	17	11.25	90.29
177	y	47,454		9	8	8	120	4	3	6	15	21.63	111.91
173	y	49,960		7	35	10	10	27	35	8	15	18.38	130.29
178	y	50,014		9	12	8	9	13	16	5	15	10.88	141.16
170	y	55,737		8	14	95	14	6	9	8	13	20.88	162.04
179	y	48,176		7	16	15	25	35	50	8	12	21.00	183.04
157	y	45,578	AT		11	5	9	9	4	6	12	8.00	191.04
169	y	54,459		11	25	15	10	25	7	4	11	13.50	204.54
171	y	49,687		7	12	20	10	3	6	6	10	9.25	213.79
205	Y	42,679		19	26	8	10	7	27	18	6	15.13	228.91
204	y	54,296		20	16	3	18	1	3	15	4	10.00	238.91
207	Sí	62,754		54	14	2	17	4	4	16	2	14.13	253.04
208	Sí	70,031		43	7	6	2	2	7	5	2	9.25	262.29

Las celdas de prueba de la zona no reactiva (consulte las Tablas 4.1 a 4.3) serán seleccionadas inicialmente organizando los datos integrados del SEM por promedio (Columna 9) y dividiendo los datos resultantes en tres categorías: emisiones altas, medias y bajas. Desde allí, se seleccionarán las celdas promedio de cada grupo para realizar las pruebas. Estas celdas estarán resaltadas en azul en las tablas de datos.

Se utilizará un proceso similar para las celdas de prueba de la zona reactiva (consulte la Tabla 4.4). Se seleccionará una celda de la cuadrícula para probarla desde el área de excesos. Esta celda se resaltará en rojo. Las celdas de prueba de la zona reactiva sin excesos se seleccionarán inicialmente separando los datos en grupos de emisiones altas, medias y bajas. Se seleccionarán las celdas promedio de cada grupo para realizar las pruebas. Estas celdas estarán resaltadas en azul en las tablas de datos.

La Tabla 4.5 muestra las lecturas de FID integradas previstas para cada uno de estos grupos de selección de celdas.

Después se evaluará la selección final de celdas del Vertedero. Esto se hará porque a veces no se puede acceder a una celda para que se le realice la prueba o porque podrá no ser representativa por algún motivo. Esta celda se resaltará en rojo, que significa que es la celda de prueba real para ese grupo. Este procedimiento se replicará para cada grupo de zonas/subzonas del vertedero.

Se debe tener en cuenta que utilizando esta metodología se puede analizar y prorratear cualquier celda. Sin embargo, se utilizarán las celdas de emisiones promedio porque deberán dar los resultados más precisos.

Tabla 4.5 Valores Integrados de SEM de Celdas Objetivo para Cada Condición de Prueba.

Condición		Valor Objetivo Integrado del Estudio (ppmv)
Zona No Reactiva	Bajo	4
Zona No Reactiva Medio		5
Zona No Reactiva	Alto	8
Zona de Excedencia	Bajo	12
Zona de Excedencia Medio		16
Zona de Excedencia	Alto	22

Cómo Seleccionar Puntos de Prueba en una Celda

Utilizando banderas de estudio, se recorrerá la ruta en forma de serpentina indicada en la Regla 1150.1 en una celda y se anotarán periódicamente las lecturas en banderas plantadas y en los formularios de datos de los estudios de campo, como se muestra en la Figura 4.3. Se tomarán muestras de la cámara de flujo en los siguientes lugares objetivo:

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

Durante el evento de prueba, se asignarán áreas en cada uno de los cuatro grupos de arriba por parte de puntos de datos (banderas) en cada grupo. Las celdas se analizarán dos veces: una vez por lo menos entre 24 y 48 horas antes del evento de prueba y nuevamente inmediatamente antes de la toma de muestras. Los resultados se registrarán en el mismo formulario, utilizando diferentes colores de tinta. La foto 4.1 muestra la actividad típica del estudio de campo.

Figura 4.3 Formulario del Estudio de las Celdas de la Cuadrícula

Formulario de Estudio de Celdas del Vertedero de Chiquita Canyon

Identificación de la Cuadrícula _____

Instrumento _____

Identificación de la Cuadrícula _____

Referencia _____

Día _____

Hora _____

Velocidad/Dirección del Viento _____

Tomadores de Muestras _____

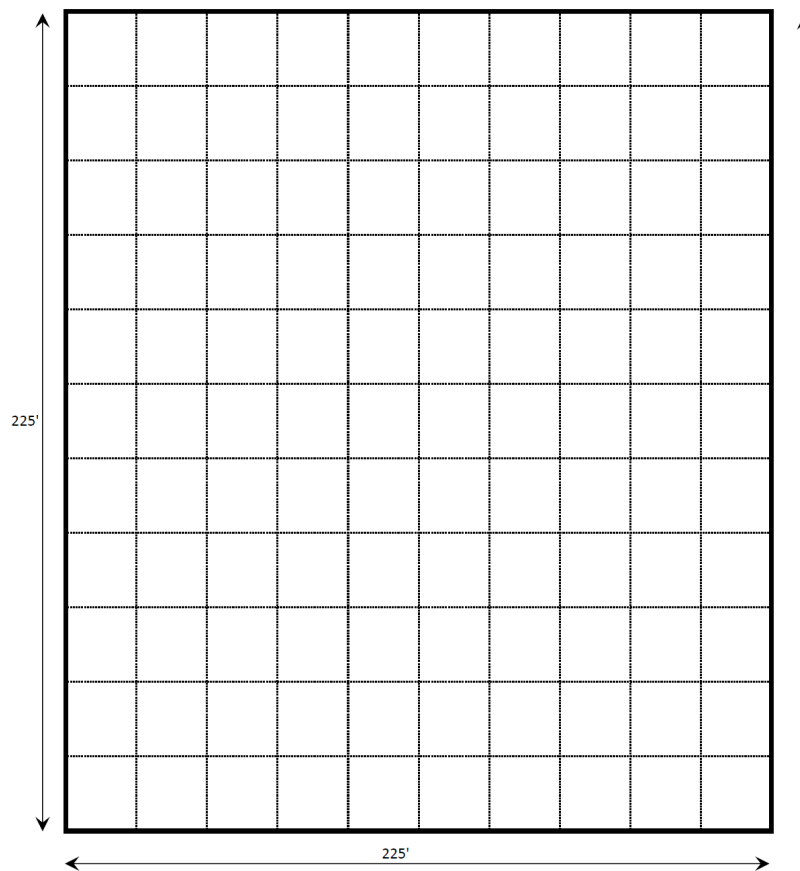


Foto 4.1 Estudio de Campo Típico para Determinar las Ubicaciones de las Tomas de Muestra de la Cámara de Flujo.



5. Métodos Utilizados en la Toma de Muestras

Toma de Muestras de la Cámara de Flujo

Como se describe en la Guía del Usuario de USEPA (febrero de 1986), la cámara de flujo es una cámara ambiental o portátil también conocida como reactor de tanque combinado, que se utiliza para medir el "flujo" (transferencia masiva de compuestos en estudio según el área de la superficie del área de origen por tiempo). Se regula el aire de ultra alta pureza (aire de barrida) de un cilindro de aire comprimido que se agrega a la cámara de flujo a un índice de 5 litros por minuto (lpm) hasta que el contenido de la cámara queda bien mezclado. La cámara es una cámara "ventilada" que libera o extrae el gas de la cámara a través del puerto de ecualización de presión que se encuentra en la parte de arriba de la cámara y sale hacia la atmósfera, manteniendo el contenido de la cámara a presión atmosférica durante la medición.

El mezclado de la cámara se describe por una cantidad de "tiempos de residencia". Un tiempo de residencia en una cámara se determina dividiendo el volumen de la cámara por el índice de flujo del aire de barrida. Siguiendo la Guía del Usuario y con un volumen de 30 litros en la cámara, el tiempo de residencia es de 6 minutos. El mezclado correcto en la cámara se logra después de cinco tiempos de residencia o 30 minutos. Después de mezclar, o después de que se equilibre el contenido de la cámara (aire de barrida más compuestos emitidos en la cámara), se toman muestras de gases siguiendo los métodos reglamentarios aprobados. Conociendo el índice de flujo del aire de barrida (5 lpm), el área de la cámara de flujo en el sitio de prueba (0.13 metros cuadrados) y la concentración de los compuestos en estudio, puede calcularse el flujo de compuestos en estudio (unidades de miligramos por metro cuadrado por minuto, mg/m², min).

Tecnologías de Cámara Dinámica vs. Estática

Ya hace varias décadas que se está utilizando una medición directa con cámaras ambientales portátiles. A principios de los 1980s, USEPA y el Laboratorio de los Sistemas de Monitoreo Ambiental (EMSL-Las Vegas) estuvieron interesados en proporcionar una tecnología de medición directa de las emisiones para fuentes de la "zona" que complementa las tecnologías de evaluación de la fuente en el punto específico y de evaluación de la fuente móvil. Se exploraron cámaras tanto "estáticas" como "dinámicas", tratando de averiguar la eficacia de ambos modelos para uso en sitios peligrosos y no peligrosos con fuentes en el área. La evaluación incluyó criterios como exactitud, precisión, capacidad de repetitividad, costo y facilidad de operación o nivel de conocimiento necesario.

Analizando tanto la cámara estática como la dinámica, generalmente se consideraron las tecnologías de cámara estática para analizar las aplicaciones, al compararlas con la evaluación cuantitativa de las emisiones. Se seleccionó el modelo de tecnología de cámara dinámica para investigaciones y para desarrollar el método. Aunque las cámaras estáticas son consideradas de baja tecnología porque no necesitan un gas de barrido y porque son fáciles de usar por comparación, los problemas asociados a la toma de datos válidos enfocaron la atención de USEPA y de EMSL-Las Vegas en cámaras dinámicas.

Básicamente, una cámara estática en la fuente de una zona toma emisiones superficiales hasta que se logra un equilibrio en la cámara. Este tiempo de equilibración es diferente en varios compuestos y tipos de fuentes a ser analizadas. El parámetro clave al medir el "flujo" de compuestos (transferencia masiva de compuestos de la superficie-masa/tiempo, zona superficial), que es un "tiempo" de equilibrio de la superficie de una zona, fue desconocido y debería haberse asumido cuando se tomó la muestra de aire de la cámara estática. Además, las cámaras estáticas tienen efectos importantes en la pared por la interacción de compuestos. Además, como se empuja aire de la cámara hacia afuera de la cámara, que es un recipiente sellado, se crea un vacío en la cámara, dando como resultado una tendencia en la medición.

Estos problemas con tecnologías de cámaras estáticas se superan utilizando una cámara dinámica que se mezcla bien por diseño, utiliza un aire de barrido y como esa cámara dinámica se ventila en la atmósfera,

no permite que la presión no deseada afecte las muestras tomadas de la cámara. Esto da como resultado una evaluación exacta, precisa y confiable del flujo superficial de fuentes de la zona.

La tecnología de cámara de flujo de USEPA, que proporciona un protocolo para esta tecnología estandarizando el diseño y el uso del método como se describe en el documento de Orientación de USEPA, es considerada una tecnología de evaluación en profundidad, de preferencia. Esta Orientación y tecnología resuelve los problemas de las cámaras estáticas (recomendada solo para propósitos de estudio) utilizando un diseño de cámara, materiales de construcción y aire de barrido estándar y un protocolo operativo estándar. El aire de barrido agregado a la cámara reduce o elimina los efectos en la pared de la cámara y permite que se tomen muestras del aire en la cámara en condiciones de estado estático (tiempo de equilibración constante) sin influenciar el evento del flujo -- la toma de muestras se mantiene por protocolo a un índice en una cámara ventilada para que la presión (negativa o positiva) de la cámara dinámica no exceda el 0.1 pascal.

Aunque la cámara de flujo dinámica requiere un nivel de conocimiento más alto para usarla, es más complicada de usar y requiere un cilindro de aire comprimido acompañante de pureza ultra alta como gas de barrido; la cámara de flujo dinámica es una tecnología aprobada por la agencia para esta aplicación, proporcionando la evaluación más confiable que hay disponible de las fuentes en la zona. Además, como fue modificada por SCAQMD (Regla 1133.3, Adjunto A), esta tecnología de evaluación dinámica de la fuente en la zona fue aprobada para uso con fuentes advectivas que permite, mediante el uso de gas de vestigio (10% helio), la cuantificación del flujo advectivo en cada ubicación testada.

Metodología de la Cámara de Flujo Utilizada para Este Estudio

La cámara de flujo de aislamiento de emisiones superficiales (la cámara de flujo) puede utilizarse en cualquier superficie líquida y en superficies sólidas. El único requerimiento relacionado con la aplicación es que debe haber acceso a la superficie para poder realizar la prueba. Si la superficie no puede aceptar la cámara, la cámara debe suspenderse o se le debe colocar un dispositivo de flotación o debe suspenderse colgando desde arriba.

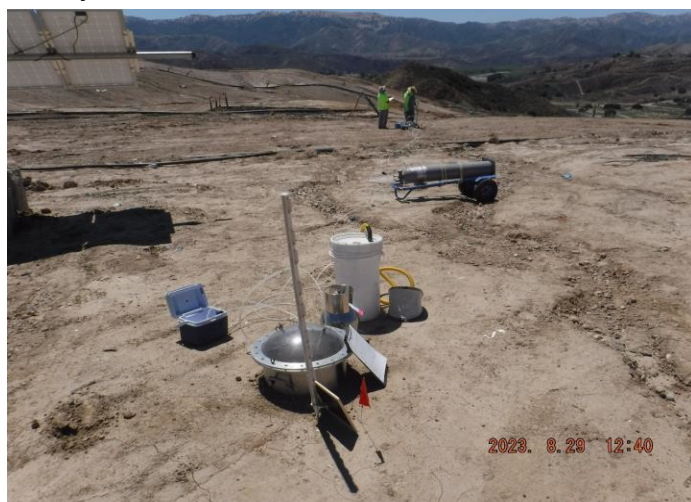
Para tomar muestras en sistemas naturales o no controlados, la ubicación y la cantidad de ubicaciones para las pruebas deben ser suficientes para que estos datos puedan ser utilizados para calcular el total de emisiones de la zona de la superficie emisora. Las fotografías de la cámara de flujo utilizadas para medir emisiones de olor/VOC/azufre/TAC de las operaciones del vertedero se muestran en la Foto 5.1.

El funcionamiento básico de la cámara de flujo involucró lo siguiente:

1. Identificar el área de prueba o la superficie de prueba;
2. Iniciar el índice de flujo de gases de barrido hacia la cámara de flujo;
3. Operar la cámara por lo menos en cinco tiempos de residencia (30 minutos);
4. Tomar gas de muestra de la cámara para su análisis;
5. Descontaminar la cámara; y
6. Reubicar los equipos de medición a la siguiente zona de prueba.

El protocolo operativo específico para la toma de muestras de la cámara de flujo es el siguiente:

Foto 5.1 Superficie Sólida en la Toma de Muestras de la Cámara de Flujo de USEPA



1. Colocar la cámara de flujo, el gas de barrida, los equipos de toma de muestras y los documentos del campo en el lugar en el que se realiza la prueba.
2. Documentar la información del sitio, la información de la ubicación, la información de los equipos, el nombre de quien toma las muestras, la fecha y la hora en las Hojas de Datos de Mediciones de Emisiones (Figura 5.1).
3. Colocar la cámara aproximadamente ¼ pulgada en la superficie de prueba en las ubicaciones de las pruebas seleccionadas, como se describe en el Informe de las Emisiones. Sellar la cámara a lo largo de la base para evitar la filtración de aire. Colocar termocuplas para monitorear la temperatura del suelo y del aire dentro y fuera de la cámara.
4. Iniciar el índice de flujo del gas de barrida y establecer el rotámetro en 5.0 lpm. Mantener un índice de flujo de gas de barrida constante. Registrar el tiempo.
5. Tomar datos de antecedentes de los instrumentos (termocupla) y otros parámetros (consultar las Hojas de Datos de Medición de Emisiones) y registrar los datos.
6. Conectar la bomba de purga a la cámara. Purgar la línea de toma de muestras desde la cámara de flujo sin exceder el índice de purga de la línea (o el índice de toma de gas de muestra de 2.5 lpm); esto evita el arrastre de aire del ambiente a la cámara.
7. Operar el índice de flujo de aire de la cámara a 5.0 lpm y registrar los datos por cada tiempo de residencia (6 minutos) por cuatro a cinco tiempos de residencia o 30 minutos. Registrar el índice de flujo y los datos del tiempo. Mantener la cámara en estado estable. Purgar la línea de toma de muestras y las bolsas Tedlar desde la cámara de flujo, por lo menos con 10 volúmenes de líneas de aire como parte del protocolo de toma de muestras en bolsas de olor, utilizando el dispositivo de pulmón de descompresión, preparando la línea de toma de muestras para equilibrar la recolección de medios de muestra.
8. Conectar los medios de muestra secuencialmente (bolsa de olor, bolsa de azufre y depósito evacuado) a la línea purgada de toma de muestras y tomar la muestra de gas. No exceder un índice de recolección de 2.5 lpm en ningún momento para evitar una dilución no deseada del gas de escape de la cámara por el aire ambiental. Tanto las bolsas de olor como de azufre se purgan antes de la toma de muestras; el depósito evacuado no se purga.
9. Etiquetar la bolsa de muestras y registrar la toma de muestras en la hoja de datos.
10. Guardar las muestras en el contenedor de almacenamiento y/o de envío apropiado como se especifica en el SP.
11. Documentar la toma de muestras en hojas de datos del campo.
12. Discontinuar la medición de flujo, cortar el aire de barrida, retirar la cámara y sujetar los equipos.
13. Descontaminar la cámara donde tomó contacto con el material líquido o sólido utilizando una toalla de papel limpia y agua (si es necesaria) para remover cualquier suciedad y condensación desde adentro de la cámara.
14. Reubicar los equipos en el siguiente lugar de prueba o ambiente de prueba y repetir los pasos 1 a 13.

Toma de Muestras del Depósito

Las muestras con depósitos pulidos Summa®, de acero inoxidable, evacuados, se tomarán desde la línea de escape de la cámara de flujo en condiciones equilibradas para especiar la cromatografía de gases. El índice de toma de muestras se mantendrá en menos de 2.5 lpm desde la cámara de flujo. Las muestras de los depósitos se tomarán conectando el depósito a la línea de toma de muestras desde la cámara de flujo, utilizando adaptadores Swage-lock de 1/4 de pulgada, extrayendo un vacío desde el depósito y llenando el depósito. Todos los depósitos serán certificados por lotes por el laboratorio, utilizando los Métodos de USEPA TO-15/TO-12/gases fijos/helio y se tomarán muestras en su capacidad completa (presión atmosférica).

Toma de Muestras en Bolsas Tedlar

Las muestras tomadas utilizando bolsas Tedlar® se recogerán de la línea de toma de muestras desde la cámara de flujo en condiciones equilibradas (cinco tiempos de residencia) para analizar el olor olfativo y las especies que contienen azufre. Las muestras de las bolsas se tomarán conectando la línea de toma de muestras desde la cámara de flujo, utilizando adaptaciones Swage-lock de 1/4 de pulgada dentro del pulmón de descompresión o de los adaptadores de presión, extrayendo el vacío del pulmón de descompresión y llenando la bolsa Tedlar. La bolsa de olor y la bolsa de azufre se purgarán y evacuarán antes de tomar las muestras, para minimizar la interacción con las bolsas de toma de muestras.

Manipulación de las Muestras

Todos los medios de muestreo se registrarán utilizando una hoja de cadena de custodia, como se muestra en la Figura 5.2. Quienes toman las muestras en el campo guardarán una copia de la cadena de custodia y se enviará una copia al laboratorio, junto con las muestras. El laboratorio revisará la cadena de custodia, hará las anotaciones necesarias y devolverá una copia de la cadena de custodia junto con los informes de los resultados de laboratorio.

Envío

Las muestras se embalarán según las instrucciones de preservación de medios y envío. Todas las muestras se enviarán utilizando transportes comerciales, permitiendo que se cumplan los tiempos de retención de muestras de los laboratorios.

Los recibos de los envíos serán retenidos por el equipo de trabajo de campo.

Figura 5.1 Formulario con los Datos de la Cámara de Flujo.

FORMULARIO DE DATOS DE MEDICIÓN DE FLUJO SUPERFICIAL

FECHA TOMADORES DE MUESTRAS

UBICACIÓN

DESCRIPCIÓN DE LA SUPERFICIE

ACTIVIDAD ACTUAL

TIPO DE INSTRUMENTO No. DE IDENTIFICACIÓN

TIPO No. DE IDENTIFICACIÓN

REFERENCIA DE INSTRUMENTOS

PROYECTO CONTROL DE CALIDAD: MEDICIONES DE BASE MEDICIONES DE BLANCOS MEDICIONES REPLICADAS CONCENTRACIONES AMBIENTALES

IDENTIFICACIÓN DE LA CÁMARA SE TOMARON FOTOS: Sí No

SELLO DE LA CÁMARA CONDENSACIÓN: Sí No PRES. BARM

CONDICIONES AMBIENTALES: Soleado Parcialmente Soleado Nublado Viento a 5', mph Vuebtti en el Sello, mph

TEMP LLUVIA: Sí No Comentario

LIMPIEZA PREVIA DE LA CÁMARA: Lavado Completo Paño Húmedo Paño Seco Ninguno

LÍNEA DE MUESTREO: SE VOLVIÓ A LIMPIAR ANTES DEL ARRANQUE SE PURGÓ ANTES DE TOMAR MUESTRAS Nueva Usada

AIRE DE BARRIDA CC PROVEEDOR PSIG AL ARRANQUE PSIG AL PARAR

Hora	Aire de Barrida (l/min)	Número de Residencia	Temperatura (°F)				Tiempo Real (ppmv)		Número de Muestra	Comentarios
			Cámara		Ambiente					
			Superficie	Aire	Superficie	Aire				
		0								
		1								
		2								
		3								
		4								
		5								

COMENTARIOS:

DIAGRAMA DEL SITIO

Figura 5.2 Ejemplo de Formulario de la Cadena de Custodia

CE Schmidt, PhD, Consultor Ambiental

Depósitos Día 1

Registro de la Cadena de Custodia

Número de Serie del Formulario CES F1-02106			Para Información Sobre Estas Muestras Por Favor, Comuníquese Con: Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com							# O F C O N T E N E D O	Domicilio y Número de Teléfono del Cliente										Nombre del Laboratorio EAS			
Nombre del Cliente											Análisis Solicitado													
Gerente de Proyectos											TO-12 FID (TNIMHC) TO-14 FID (Lis m/Grupos Objetivo) TO-15 (Observe la Lista de Aírras) ASTM D-1945 (O2, CO2, He)										Presión de Entrada del Depósito (pulgadas Hg)		Dirección del Laboratorio 173 Cross Street San Luis Obispo, CA 93401	
Fecha de Terminación Solicitada																					Presión de Salida del Depósito (pulgadas Hg)		Teléfono del Laboratorio 805-781-3585	
Númer o de	Fecha	Hora	C T O M P A	T O M A	Número de Identificación de	Número de Identificación del	R	Vial	Depó	Tubo								Contacto del Laboratorio Dr. Steve Hoyt						
																		Observaciones						
Tomador de Muestras				Fecha/hora				Dejada por				Fecha/hora				HAZWRAP/NEESA Y N Nivel de Control de Calidad 1 2 3								
Recibido por				Fecha/hora				Dejada por				Fecha/hora				COC								
Recibido por				Fecha/hora				Dejada por				Fecha/hora				Análisis Solicitado								
																Sello del Cliente								
Recibida por el Laboratorio				Fecha/hora				Muestra Enviada Por UPS FEDEX ÓMNIBUS Otro								Condición de la Muestra								
Observaciones				No Presurizar con Helio																				

6. Métodos Analíticos

Olfatometría (ASTM E-679)

Las muestras de olor serán analizadas utilizando un panel olfatorio y calibración de butanol. Las muestras de gases se toman en bolsas Tedlar® purgadas utilizando un dispositivo de descompresión donde el gas se toma llenando una bolsa sin pasar la muestra por una bomba. Se toman las muestras en las bolsas Tedlar®, se guardan en contenedores de cartón protegidos de la luz y se envían al laboratorio utilizando correo expreso de un día para el otro para que sean analizadas dentro de las 30 horas.

Las muestras de olor se diluyen hasta que queden por debajo de los límites de detección olfatorio y después se introducen en un sistema de entrega de gas. Se utiliza un panel de ocho miembros capacitados en respuesta de olor como "detectores" de olor. Se les solicita a los miembros del panel que huelan las muestras de aire entregadas en uno de tres conos para nariz (los otros conos de nariz tienen aire limpio) y uno tiene la muestra diluida. Se van aumentando las concentraciones de la muestra hasta que la mitad de los miembros del panel de detección de olor pueda detectar el olor. La medición del olor se termina cuando se registra la detección de cuatro de los ocho miembros del panel. La concentración de olor se expresa como la cantidad de diluciones que fueron necesarias para que la mitad de los miembros del panel registre la detección: nivel del límite de detección (D/T). El control de calidad típico del método incluye muestras en blanco del campo y análisis duplicados. Las concentraciones de olor pueden utilizarse para evaluar la fuerza del olor, el olor ambiental o en ejercicios de modelado para estimar la fuerza de un olor a sotavento. Los datos se informarán como D/T y límite de reconocimiento (R/T).

Método 307-91 del SCAQMD para Azufre Reducido en Orgánicos

Las especies de azufre se analizarán desde una bolsa Tedlar® utilizando cromatografía de gases/detector de azufre por quimioluminiscencia (GC/SCD). La lista de analitos objetivo se muestra en la Tabla 6.1.

Tabla 6.1 Lista de Analitos Objetivo para H₂S/ORS.

Ácido sulfhídrico
 Sulfuro de carbonilo
 cromatografía
 cromatografía
 Sulfuro de di metilo (DMS)
 Disulfuro de carbono
 Isopropil mercaptano
 t-butil mercaptano
 n-propil mercaptano
 s-butil mercaptano
 i-butil mercaptano
 Disulfuro de dimetilo
 Tetrahidrotiofeno
 Azufres no identificados
 Azufre total Reducido (TRS)

Método de ASTM D-1945/USEPA 3C para Gases Fijos

Los gases fijos serán analizados desde un depósito Summa® utilizando un GC/TCD. La lista de analitos objetivo se muestra en la Tabla 6.2.

Tabla 6.2 Lista de Analitos Objetivo para Gases Fijos.

Metano Dióxido
de carbono

Oxígeno

o

Nitrógeno

no

Hidrógeno

eno

Monóxido de carbono

Helio (como rastreador para determinar el flujo)

USEPA TO-12 para VOCs o NMOCs

Los hidrocarburos C2 a C12 y TNMHC tomados como emisiones de VOC se determinan utilizando una columna capilar de sílice fundida en un HP 5890 GC con un detector de FID. Se carga una muestra de 200 ml utilizando un controlador de flujo en una trampa de congelamiento de cuentas de vidrio sumergidas en oxígeno líquido. Los componentes se desabsorben en un bucle de criofocalización y se separan utilizando una columna capilar PetroCol de sílice fundida de 0.25 micrones de 100 metros. La columna se programa de -20 °C a 225 °C a 4 °C /min. En el FID, los hidrocarburos tienen una respuesta uniforme basada en la cantidad de átomos de carbono y se utiliza el área total para calcular el TNMHC. El instrumento se calibra utilizando el estándar de hexano de 10 ppmv Rastreable del Instituto Nacional de Normas y Tecnología (NIST). Los datos serán informados como TNMHC como metano. Además, los datos se proporcionarán en base a las distribuciones de grupos funcionales y a los pesos moleculares/la cantidad de carbono.

Especies de USEPA TO-15 para VOC

El Método TO-15 GC/MS de USEPA utiliza un sistema de criocaptura con una columna capilar de alta resolución para analizar los TAC utilizando cromatografía de gases/Espectrometría de Masas (GC/MS). Este método puede utilizarse para compuestos orgánicos saturados y no saturados e incluye compuestos de alcohol. El método puede medir la mayoría de los compuestos hasta 0.2 partes por mil millones por volumen (ppbv). La lista de compuestos objetivo se proporciona en la Tabla 6.3

Las muestras se analizan en una cromatografía de gases HP 5890 Serie II. Se inyecta una mezcla estándar interna en fase gaseosa con cada muestra antes de cargar la muestra. El bucle de congelamiento se construye con una tubería de níquel de 1/8" x 8" embalada con cuentas de vidrio que se sumerge en oxígeno líquido mientras se extrae la muestra por el bucle utilizando una bomba de vacío conectada a un controlador de flujo de masa ajustado a un flujo de 50 mililitros por minuto (ml/min). Después de atrapar la muestra, se desabsorbe térmicamente a 150 °C utilizando un calentador eléctrico y se criofocaliza al inicio de una columna capilar de sílice fundida desactivada con un diámetro interno de 0.32 milímetros (mm). El bucle criofocalizado después se calienta y se inyectan los compuestos en una columna capilar de sílice fundida de 60 metros, DB-5 con diámetro interior de 0.25 mm en el GC. Se programa la temperatura de la GC de -10 °C a 220 °C a un índice de rampa de 13 °C /min. A medida que se va calentando la columna, estos compuestos se van desprendiendo de la columna e ingresan al detector.

Tabla 6.3 Lista Objetivo para Análisis TO-15 HAP/TAC de Hidrocarburos Especiados.

Freón	n-Hexano	Dibromoclorometano
1,2-Diclorometano	Cloroformo	1,2-Dibromoetano
on 114	Acetato de etilo	Tetracloroetano
Cloruro de vinilo	Tetrahidrofurano	Clorobenceno
1,3-Butadieno	1,2-Dicloroetano	Etilbenceno
Bromometano	1,1,1-Tricloroetano	m,p-Xileno
Cloroetano	Benceno	Bromoformi
Acetona	Tetracloruro de carbono	Estireno
Freon 11	Ciclohexano	1,1-2,2-Tetracloroetano o-
Alcohol	1,20-Dicloropropano	Xileno
Isopropílico	Bromodiclorometano	Cloruro de
1,1-Dicloroetano	Tricloroetano	bencilo 4-Etil
Cloruro de metileno	1,4-Dioxano	tolueno
Disulfuro de carbono	n-Heptano	1,3,5-Trimetil benceno
Freon 113	cis-1,3-Dicloropropeno	1,2,4-Trimetil benceno
trans-1,2-Dicloroetano	4-Metil-2-pentanona	1,3-Diclorobenceno
1,1-Dicloroetano	trans-1,3-Dicloropropeno	1,4-Diclorobenceno
MTBE	1,1-2-Tricloroetanp	1,2-Diclorobenceno
Acetato de	Tolueno	1,2,4-Triclorobenceno
vinilo	2-Hexanona	Hexaclorobutadieno
2-Butanona		
cis-1,2-Dicloroetano		

7. Análisis de datos e Informes

Validación de Datos

Se revisarán y se desafiarán todos los datos del campo y de las muestras comparándolos con las especificaciones de control de calidad del método. Los datos que no cumplan con las especificaciones del método se marcarán como corresponda.

Análisis de Datos

Todas las celdas serán evaluadas cuantitativamente por FID para observar su concentración integrada. Las celdas se colocarán en tres grupos en base a los niveles de emisiones para este estudio. Las celdas serán evaluadas (nivel alto, nivel medio y nivel bajo) en detalle con otros estudios y mediciones de la cámara de flujo. Se utilizarán las emisiones de las celdas representativas para estimar las emisiones para la parte del vertedero que representan, ya sean superficies de la zona no reactiva o superficies de la zona reactiva.

Informe

Los datos serán presentados en un informe que proporcione una descripción de los esfuerzos de toma de muestras e índices de emisiones tabulares para cada proceso. Todas las notas de campo, los formularios de la cadena de custodia y los informes de laboratorio serán incluidos en el informe.

8. Implementación del Proyecto

Programa

El proyecto será ejecutado en base al programa indicado a continuación. El equipo del proyecto llegará la mañana de la evaluación a las 07:00. Se realizará un inventario de todos los equipos y suministro de campo de ese día. El primer orden de trabajo será revisar asuntos de salud y seguridad. Todo el progreso del campo se registrará en hojas de datos de campo y toda

la cadena de custodia se completará el día en que se toman las muestras. Se guardarán todos los registros de envíos como parte del conjunto de datos de campo y la persona que envía las muestras será la responsable de ponerse en contacto con el laboratorio antes de recibir las muestras.

Tabla 8.1 Programa del Proyecto

Protocolo Preliminar	31/12/2023
Toma de Muestras en el Campo	Dentro de las 4 a 5 semanas desde que se aprueba el protocolo
Informe	Dentro de las 3 a 4 semanas desde que se reciben los datos del laboratorio

Direcciones de Envío del Laboratorio

Laboratorio que Realizó la Olfatometría

Odor Science & Engineering, Inc.

105 Filley Street

Bloomfield, CT 06002

Contacto: Martha O'Brien o Gary Grumley, (860) 243-9380 interno 102

FedEx: Centro de Envíos de FedEx

21300 Vanowen St Canoga

Park, CA 91303

Última Bajada en la Costa Este: 5:00 PM

Análisis del Depósito

EAS

173 Cross Street

San Luis Obispo, CA 93401

Contacto: Steve Hoyt, (805) 781-3585

Análisis de Azufre (cualquier laboratorio)

AtmAA

23917 Craftsman Road

Calabasas, CA 91302

(818) 223-3277

AAC

2225 Sperry Avenue

Ventura, CA 93003

(805) 650-1642

Equipos del Proyecto

Todos los medios de muestreo (preparados según las especificaciones del método) los proporcionará el laboratorio contratado, incluso los depósitos evacuados limpios. El Dr. C.E. Schmidt proporcionará todos los demás equipos de toma de muestra y los suministros descartables. A continuación, se encuentran los equipos de campo necesarios y los suministros descartables para las pruebas de campo propuestas:

- Cámaras de flujo de USEPA según el diseño de USEPA, incluyendo los adaptadores Swage-lock de acero inoxidable
- Refrigerador de soporte con rotómetro montado (0 a 5 litros por minuto) por las paredes del refrigerador
- Regulador metálico de 2 etapas para adaptador de aire embotellado (CGA 590) para aire y adaptador Swage-lock (macho) de 1/4".
- Línea de Teflon® de 10 pies y ¼ de pulgada con adaptadores hembra
- Línea de soporte de entrada/salida de aire de Teflon® de 10 pies y ¼ de pulgada
- Refrigerador de plástico de soporte de tamaño grande
- Set de varias herramientas de mano que incluya una llave inglesa ajustable para el adaptador regulador CGA 580, llave inglesa ajustable pequeña para los adaptadores de ranura de 1/4 de pulgada y destornilladores pequeños
- Dos cables de termocupla Tipo K de 12 pulgadas y lector de temperatura
- Caja de envío/almacenamiento de pared rígida para la cámara de flujo montada sobre ruedas giratorias
- Suministros de descontaminación que incluyen jabón Alconox, toallas de papel y agua de lavado
- Cilindros de aire de ultra alta pureza con gas trazador de helio (4, tamaño 150)
- Bomba de purga para purgar la línea de muestreo
- Medio del depósito
- Contenedores de envío de muestras
- Herramientas de mano
- Cámara
- Casco
- Gafas de seguridad
- Tomadores de muestras de descompresión pulmonar
- TVA-100B con soporte y gases de calibración
- Analizador Jerome 631X

9. Salud y Seguridad

Todo el trabajo de campo será en cumplimiento con el Plan de Salud y Seguridad del Sitio de SCS (adjunto). Los requerimientos específicos incluyen:

- Casco,
- Calzado de seguridad,
- Protección de los ojos,
- Ropa reflectante y
- Monitoreo de gas personal.

10. Obras Involucradas

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

SCAQMD Regla 1133.3, Adjunto A.

Adjunto 1

Plan de Salud y Seguridad Específico del Sitio de SCS

Vertedero de Chiquita Canyon
Castaic, California

ANTEPROYECTO

ANEXO 23/06/2025

Evaluación Post Remediación de las Emisiones de Aire De Superficies del Vertedero



Protocolo para la Toma de Muestras Anexo

Revisión 0

Junio de 2025

Elaborada Por

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ANEXO No. 3

1. Introducción

Este Anexo (No. 3) se elaboró para documentar los cambios propuestos en el programa de evaluación de emisiones de aire que se encuentra en curso en el Vertedero de Chiquita Canyon (CCL), un vertedero de desechos sólidos municipales (MSW) ubicado en el norte del Condado de Los Ángeles. Estos cambios propuestos están relacionados con revisiones del modelo técnico para evaluar con mayor precisión las emisiones de las condiciones cambiantes de la superficie del vertedero. Este anexo está previsto para futuros eventos de pruebas de flujo a partir del siguiente evento programado para julio de 2025. Este documento sirve como Anexo al protocolo para pruebas de flujo con fecha 28 de diciembre de 2023, que fue aprobado por el Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD).

Conforme a la Condición 12.i de la Orden de Depuración Estipulada (SOFA) (Caso No.: 6177-4) entre el Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD) y Chiquita Canyon, LLC, CCL debe conducir estudios adicionales de la cámara de flujo como seguimiento de un estudio de la cámara de flujo completado previamente bajo la dirección del Departamento de Salud Pública del Condado de Los Ángeles, que se presentó al SCAQMD antes del 31 de octubre de 2023. Los procedimientos para este estudio, como se detalla en la SOFA revisada con fecha 13 de noviembre de 2024, se indican a continuación.

El demandado ha conducido un estudio inicial de la cámara de flujo en cumplimiento con la indicación del Departamento de Salud Pública del Condado de Los Ángeles. El demandado deberá realizar estudios del flujo de gases del vertedero por lo menos de metano, compuestos orgánicos sin metano ("NMOC"), hidrocarburos especiados (C2-C12), contaminantes tóxicos del aire (TAC) analizados por el Método TO-15 de EPA (incluyendo acroleína y además por lo menos los diez compuestos identificados tentativamente con las concentraciones más altas), azufre total reducido ("TRS") y compuestos de azufre especiado, para determinar el

flujo de la superficie en todo el vertedero a partir del Cuarto Trimestre de 2024 y una vez cada cuatro meses de ahí en adelante. Los estudios deben ser realizados utilizando cámaras de flujo dinámicas en varias ubicaciones en todo el sitio del vertedero, conforme a un protocolo aprobado por el AQMD de la Costa Sur. El demandado debe elaborar un protocolo propuesto para los estudios y deberá presentar el protocolo al AQMD de la Costa Sur [Baitong Chen, Ingeniero en Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior en Calidad del Aire, (ndickel@aqmd.gov) y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov)] para que sea revisado y aprobado por lo menos 75 días antes del

inicio del mes en el que está previsto el análisis, a menos que el AQMD de la Costa Sur apruebe otra cosa por escrito. Puede utilizarse un protocolo de estudio de flujo previo, revisado y aprobado por el AQMD de la Costa Sur si los análisis propuestos cumplen con todos los aspectos del protocolo aprobado previamente por el AQMD de la Costa Sur, excepto las ubicaciones de prueba/toma de muestras en el sitio. Los informes que detallan las

condiciones operativas, la metodología, la cantidad y las ubicaciones de los análisis, la determinación de la ubicación para tomar las muestras,

los resultados de los muestreos, análisis de datos, resultados de emisiones, análisis de los resultados y comparativos de resultados de pruebas previas de las cámaras de flujo con los resultados actuales, deben ser presentados al AQMD dentro de los 45 días después de que termina el mes durante el cual se realizó un análisis y dentro de los 90 días después de que el AQMD de la Costa Sur aprueba el protocolo, lo que ocurra después, [Baitong Chen, Ingeniero de la Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior de la Calidad del Aire, (ndickel@aqmd.gov), y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov)], a menos que el AQMD de la Costa Sur apruebe otra cosa por escrito. El informe del estudio del flujo inicial, que abarca el estudio del flujo del cuarto trimestre del año 2024 debe ser presentado

antes del plazo indicado arriba, para el 15 de enero de 2025, al AQMD de la Costa Sur [Baitong Chen, Ingeniero de la Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior de la Calidad del Aire, (ndickel@aqmd.gov) y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov), a menos que el AQMD de la Costa Sur apruebe otra cosa por escrito. El demandado deberá proporcionar al AQMD de la Costa Sur un aviso sobre la fecha del análisis para cada prueba [Baitong Chen, Ingeniero de la Calidad del Aire, (bchen@aqmd.gov); Nathaniel Dickel, Ingeniero Sénior de la Calidad del Aire, (ndickel@aqmd.gov) y Christina Ojeda, Inspectora de la Calidad del Aire, (cojeda@aqmd.gov)] por lo menos 14 días antes del análisis programado.

Las tecnologías de la evaluación a ser utilizadas para el evento de prueba, al igual que en los eventos previos, incluirán la cámara de flujo de aislamiento de emisiones superficiales (la cámara de flujo) de la Agencia de Protección Ambiental de EE.UU. (USEPA). Esta tecnología de preferencia de USEPA, con su modificación y como se describe en la Regla 1133.3 de la SCAQMD en el Adjunto A, es un método de cámara dinámica para la medición directa de fuentes en el área advectiva.

Como lo requería la SOFA, este protocolo se está presentando más de 75 días antes del evento de prueba programado para mediados de noviembre de 2025, dentro de los cuatro meses de la prueba anterior, durante la semana del 14 de julio de 2025. Aunque este anexo al Protocolo no está siendo presentado 75 días antes del evento de julio de 2025, esperamos que el SCAQMD lo considere para este evento.

Cambios Propuestos en el Programa de Evaluación

Programa Actual

El modelo técnico histórico para las evaluaciones previas se muestra en la Tabla 1 a continuación.

Programa Propuesto

La evaluación de las emisiones de aire (Evento No. 5) prevista para las semanas del 14 de julio y del 21 de julio se ejecutará como se muestra en la Tabla 1. Actualmente, una parte importante de la "zona reactiva" se cubrió con una membrana de polímero que cambia el modelo que podría utilizarse para evaluar la condición actual del vertedero. Esto requerirá otros análisis para evaluar correctamente el área cubierta de la zona reactiva.

En base a los datos de eventos de prueba previos, es claro que la evaluación debe hacer que la zona reactiva cubierta con membrana sea una categoría de fuente separada. El programa propuesto prevé dos categorías de fuentes nuevas para la evaluación de emisiones de aire:

1. La Cubierta de Membrana de Polímero
2. La interfaz entre la Cubierta de Membrana de Polímero y la Cubierta de Suelo

Se prevé que este análisis adicional proporcionará una evaluación precisa de las emisiones de aire del vertedero, incluyendo la cubierta de membrana. Se debe tener en cuenta que el set de datos mejorado propuesto puede usarse para calcular las emisiones utilizando la distribución de categorías de origen antigua. Las emisiones de aire se calcularán tanto con la distribución de categorías históricas de la fuente como con la distribución de categorías nuevas de la fuente, para evaluar el valor del mayor alcance.

Tabla 1 - Alcance Histórico del Trabajo de la Cámara de Flujo para la Evaluación Programada en el Vertedero de Chiquita Canyon.

Categoría del Origen	Alcance Histórico		Alcance Propuesto		
	Origen Nivel	Cantidad de Sets de	Origen SubCategoría	Origen Nivel	Cantidad de Sets de
Zona No Reactiva	Alto	4		Alto	4
		4			4
	Medio	4		Medio	4
		4			4
Zona Reactiva	Alto	4	Suelo	Alto	4
					4
	Medio	4	Polímero Membrana	Medio	4
					4
	Medio	4	Interfaz de Membrana/Suelo	Alto	4
					4
	Bajo	4		Medio	4
					4
	Exceso	4	Exceso		4
Repetir		4			
Total de Ubicaciones de		36			60
Aseguramiento de la		6			10
Cantidad Total de Sets de		42			70