Vertedero de Chiquita Canyon
Castaic, California

Evaluación de Emisiones de Aire de Superficies de Vertederos



Evento de Prueba 6

Informe

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Elaborada Por

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2. Hojas de Datos del Campo de Selección de Cuadrículas
3. Cálculos de Emisiones por Cada Compuesto

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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. 6) 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
5. 15-23 de julio de 2025

El Sexto Evento de Prueba que se describe en este informe se realizó el 10-25 de noviembre 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 esta evaluación de emisiones fue cuantificar por mediciones de campo las emisiones en el aire de 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.

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 (H_2S)/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 flujo 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 la superficie del vertedero tendría un flujo advectivo en algún lugar o en varios lugares, la evaluación de la cámara de flujo incluyó el uso de un rastreador (1-1-Difluoroetano (1,1-DFA), analizado según el Método TO-15 de USEPA) en el gas del aire barrido de la cámara, según

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



la Regla 1133.3 del SCAQMD, Adjunto A. Se utilizó la dilución de los vestigios tomado de las muestras de los depósitos evaluados para calcular el flujo total en la cámara de flujo y así evaluar las emisiones. Se debe tener en cuenta que 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)27 de Octubre 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 definida por personal de SCS Engineers (SCS) conforme a los procedimientos establecidos por el Comité de la Reacción, que no excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD 27 de octubre 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.

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



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 Excesos

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 27 de octubre 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.

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.

	Alcance		
Categoría del Origen	**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
	Exceso		4
Total de Ubicaciones de Muestreo			**60**
Aseguramiento de la Calidad/Control de calidad			10
Cantidad Total de Sets de Muestras			70

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 (pies^2) 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 toda las superficie de estas celdas.

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

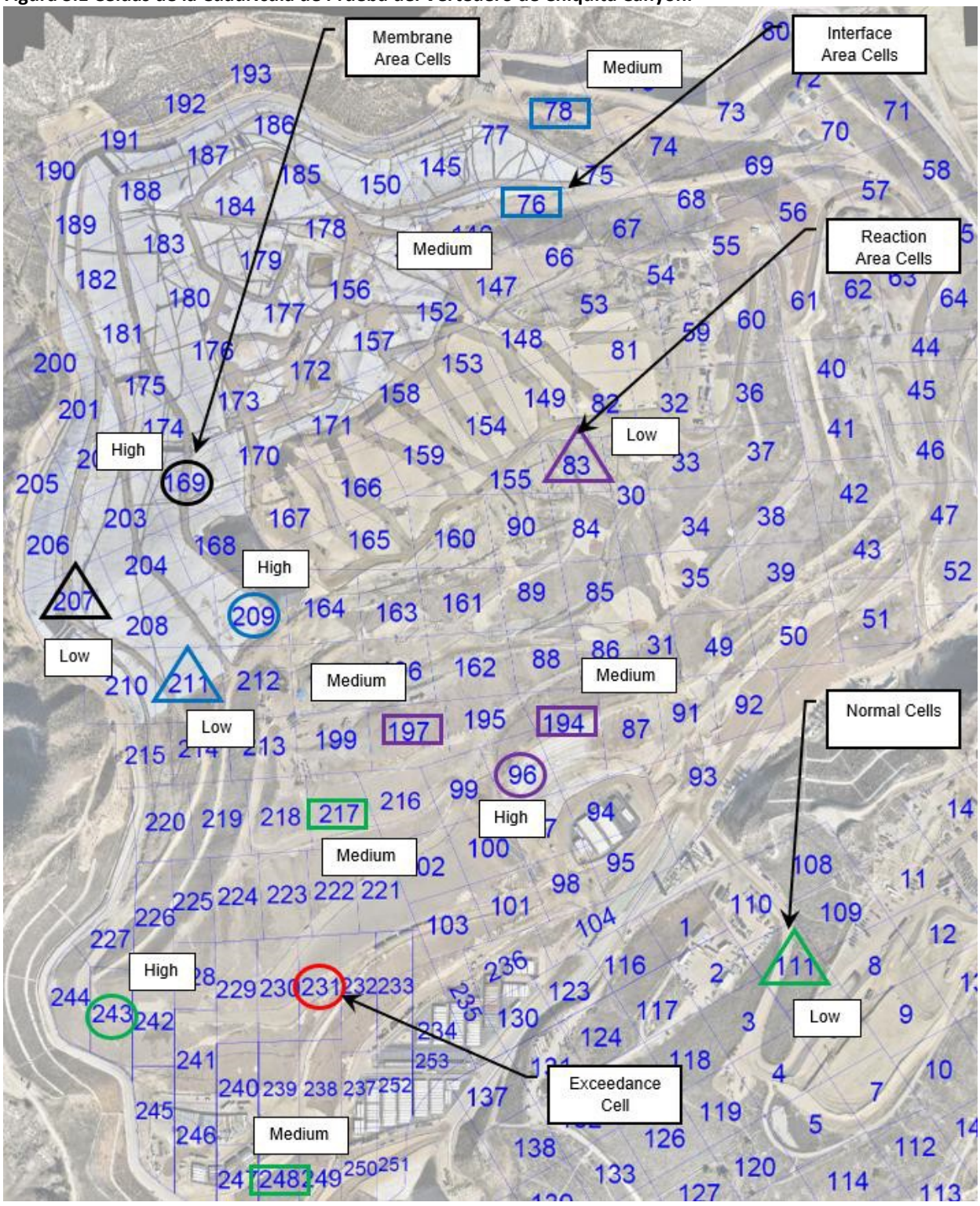
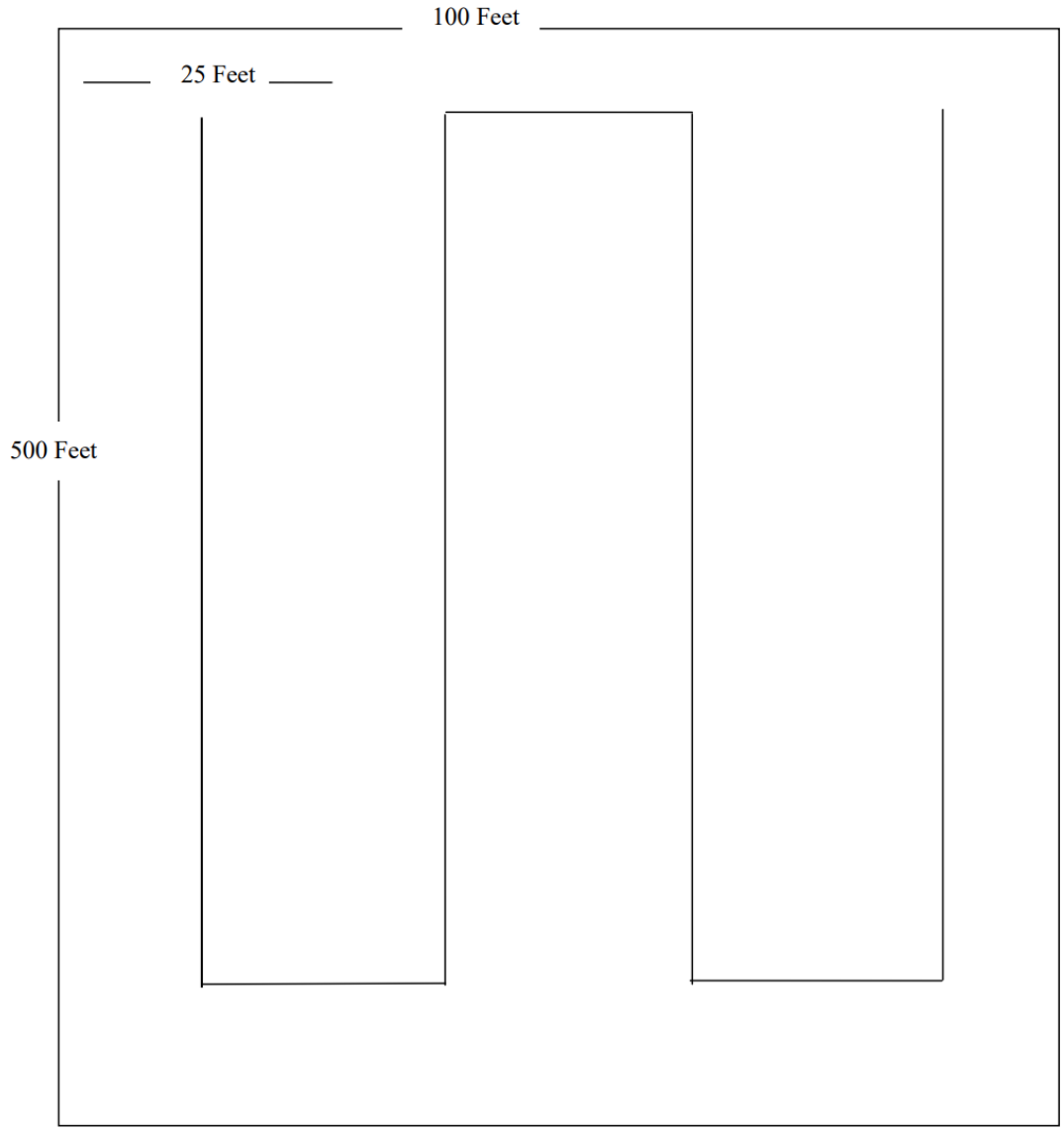


Figura 3.2 Patrón de Recorrido Típico en Serpentina en el Vertedero para una Cuadrícula de 50,000 Pies Cuadrados (de la Regla 1150.1).



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

El alcance de la toma de muestras para este evento de prueba y para el evento de prueba previo (Evento de Prueba No. 5) fue casi el doble (celdas de 15 cuadrículas probadas para este evento vs. cuadrículas de 9 celdas para eventos anteriores de marzo de 2025) que en los eventos anteriores. Para continuar evaluando 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 noviembre 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 noviembre 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 para compuestos tóxicos (TO-15), compuestos VOC totales y dióxido de carbono. Las emisiones de metano fueron diferentes, siendo más altas para los análisis de legado. 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 27 de octubre de 2025. La tabla 3.4 muestra los datos integrados del SEM clasificados para las celdas de las zonas reactivas durante el período del 27 de octubre de 2025. La tabla 3.5 muestra los datos integrados del SEM clasificados para las celdas de las zonas con membrana durante el período del 27 de octubre 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 del 27 de octubre de 2025. La tabla 3.7 muestra los datos integrados del SEM clasificados para las celdas de las zonas con excedencias durante el período del 27 de octubre 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 del 27 de octubre 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 esta 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.

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

Número 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
244	45,884	24.2	24.2	2%
241	49,029	23.61	48.4	4%
59	53,384	23.5	72.01	5%
253	50,000	23.14	95.51	7%
228	32,278	22.8	118.65	9%
68	47,853	21.5	141.45	10%
54	53,298	20	162.95	12%
232	49,006	19.01	182.95	13%
223	48,150	18.11	201.96	15%
243	45,926	17.08	220.07	16%
234	42,867	16.82	237.15	17%
31	55,775	16.8	253.97	19%
72	59,809	15.7	270.77	20%
49	55,750	15.6	286.47	21%
245	39,969	14.18	302.07	22%
242	45,188	13.81	316.25	23%
50	61,680	13.6	330.06	24%
35	56,295	13.5	343.66	25%
69	52,221	13.4	357.16	26%
246	49,934	13.11	370.56	27%
225	38,630	12.7	383.67	28%
71	43,736	12.6	396.37	29%
62	60,736	12.5	408.97	30%
86	43,299	12.2	421.47	31%
227	45,403	11.4	433.67	32%
66	45,494	10.93	445.07	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 243 de la Cuadrícula) se resalta en amarillo.

Las metas para las celdas de prueba 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 3.2 Resumen de Datos de la Cuadrícula Integrada Ordenada de las Celdas de la Zona No Reactiva (27 de octubre de 2025) (ppmv de metano del FID); Celdas de Emisiones Medias.

Número 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
70	55,632	10.6	456	33%
247	50,770	10.54	466.6	34%
87	58,663	10.5	477.14	35%
36	60,138	10.3	487.64	36%
39	62,100	10.3	497.94	37%
216	50,931	10.23	508.24	37%
224	47,895	10.22	518.47	38%
102	45,969	10.19	528.69	39%
220	49,909	10.14	538.88	40%
221	45,169	10.04	549.02	40%
61	58,640	10	559.06	41%
109	55,703	10	569.06	42%
237	30,995	9.93	579.06	42%
80	46,342	9.79	588.99	43%
104	42,522	9.6	598.78	44%
226	48,737	9.6	608.38	45%
251	36,070	9.6	617.98	45%
57	58,263	9.5	627.58	46%
73	55,815	9.4	637.08	47%
239	49,597	9.4	646.48	47%
218	52,805	9.2	655.88	48%
217	53,205	9.17	665.08	49%
94	57,008	9.1	674.25	49%
248	42,748	9.06	683.35	50%
7	50,364	9	692.41	51%
108	52,575	9	701.41	51%
123	37,280	9	710.41	52%
97	42,564	8.8	719.41	53%
92	47,660	8.6	728.21	53%
56	61,386	8.3	736.81	54%
91	47,895	8.3	745.11	55%
235	19,742	8.3	753.41	55%
19	57,192	8	761.71	56%
65	58,090	8	769.71	56%
110	55,586	8	777.71	57%
130	34,533	8	785.71	58%
142	46,169	8	793.71	58%
144	68,243	8	801.71	59%
249	52,520	7.9	809.71	59%
250	47,494	7.83	817.61	60%
55	58,851	7.3	825.44	61%
252	23,555	7.17	832.74	61%
222	47,335	7.12	839.91	62%
60	58,550	7.1	847.03	62%
100	44,490	7.01	854.13	63%
2	45,352	7	861.14	63%
3	50,019	7	868.14	64%
9	54,331	7	875.14	64%
10	66,970	7	882.14	65%
12	55,625	7	889.14	65%
13	54,190	7	896.14	66%
16	60,337	7	903.14	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 217 y 248 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 (27 de octubre de 2025) (ppmv de metano del FID); Celdas de Emisiones Bajas.

Número Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies^2)	Valor FID Integrado (ppmv)	Valor Integrado Acumulado	Fracción del Total
20	53,895	7	910.14	67%
28	39,741	7	917.14	67%
63	57,567	7	924.14	68%
112	46,549	7	931.14	68%
113	31,853	7	938.14	69%
117	42,797	7	945.14	69%
124	43,289	7	952.14	70%
129	46,067	7	959.14	70%
132	43,711	7	966.14	71%
138	46,590	7	973.14	71%
139	46,331	7	980.14	72%
34	55,632	6.7	987.14	72%
101	42,395	6.7	993.84	73%
103	44,432	6.6	1000.54	73%
93	88,479	6.4	1007.14	74%
58	46,507	6.2	1013.54	74%
84	48,990	6.2	1019.74	75%
95	49,782	6.2	1025.94	75%
67	47,130	6.1	1032.14	76%
1	42,205	6	1038.24	76%
5	56,526	6	1044.24	77%
6	55,760	6	1050.24	77%
8	57,675	6	1056.24	77%
11	55,395	6	1062.24	78%
18	42,901	6	1068.24	78%
22	58,442	6	1074.24	79%
23	56,405	6	1080.24	79%
27	59,711	6	1086.24	80%
29	43,858	6	1092.24	80%
41	58,579	6	1098.24	81%
42	57,899	6	1104.24	81%
45	58,267	6	1110.24	81%
47	56,104	6	1116.24	82%
48	55,467	6	1122.24	82%
106	50,785	6	1128.24	83%
111	54,270	6	1134.24	83%
118	45,475	6	1140.24	84%
119	46,712	6	1146.24	84%
128	48,480	6	1152.24	84%
131	41,070	6	1158.24	85%
134	43,452	6	1164.24	85%
135	43,154	6	1170.24	86%
137	45,071	6	1176.24	86%
140	42,878	6	1182.24	87%
143	48,041	6	1188.24	87%
38	60,634	5.9	1194.24	88%
98	41,663	5.9	1200.14	88%
236	41,876	5.5	1206.04	88%
219	49,910	5.45	1211.54	89%
85	45,482	5.4	1216.99	89%
37	57,548	5.3	1222.39	90%
74	50,957	5.3	1227.69	90%
4	53,410	5	1232.99	90%
14	57,525	5	1237.99	91%
15	55,063	5	1242.99	91%
21	72,168	5	1247.99	91%
26	54,472	5	1252.99	92%
40	56,878	5	1257.99	92%
43	55,491	5	1262.99	93%
46	57,683	5	1267.99	93%
105	47,304	5	1272.99	93%
107	22,162	5	1277.99	94%
114	58,149	5	1282.99	94%
115	52,538	5	1287.99	94%
116	39,267	5	1292.99	95%
121	46,453	5	1297.99	95%
122	45,247	5	1302.99	96%
125	46,593	5	1307.99	96%
126	48,416	5	1312.99	96%
133	44,845	5	1317.99	97%
141	41,413	5	1322.99	97%
17	54,072	4	1327.99	97%
25	58,414	4	1331.99	98%
44	35,715	4	1335.99	98%
51	62,750	4	1339.99	98%
52	55,676	4	1343.99	99%
64	51,169	4	1347.99	99%

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 111 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 (27 de octubre de 2025) (ppmv de metano del FID); Todas las Celdas.

Número 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
146	45166	18.31	18.31	9%
209	60969	17.11	36.62	18%
147	45961	16.51	53.73	26%
78	82334	16.4	70.24	34%
151	43622	14.8	86.64	41%
163	50009	14.15	101.44	49%
76	48758	13.62	115.59	55%
212	58054	11.8	129.21	62%
155	44022	10.4	141.01	67%
164	61548	9.7	151.41	72%
32	55304	8.6	161.11	77%
211	59725	8.35	169.71	81%
30	53460	8.3	178.06	85%
160	66546	8.3	186.36	89%
77	99941	7.75	194.66	93%
33	50273	6.5	202.41	97%
75	51225	6.3	208.91	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el métodos de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 209, 76, 78 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 (27 de octubre de 2025) (ppmv de metano del FID); Todas las Celdas.

Número 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
152	42032	19.43	19.43	4%
174	48344	19.34	38.86	8%
175	50430	19.21	58.2	12%
178	50014	18.55	77.41	16%
169	54459	18.16	95.96	20%
210	62428	17.92	114.12	24%
168	59314	17.21	132.04	28%
166	56594	16.8	149.25	32%
150	70989	13.22	166.05	35%
205	42679	12.6	179.27	38%
206	61365	12.46	191.87	41%
156	47581	12.35	204.33	43%
203	51487	11.41	216.68	46%
179	48176	11.37	228.09	48%
202	45736	11.22	239.46	51%
145	60197	11.1	250.68	53%
208	70031	10.37	261.78	55%
171	49687	10.3	272.15	58%
201	47960	10.28	282.45	60%
204	54296	10.21	292.73	62%
176	52356	9.9	302.94	64%
177	47454	9.7	312.84	66%
153	45864	9.6	322.54	68%
185	50993	9.14	332.14	70%
207	62754	9.09	341.28	72%
172	44946	8.4	350.37	74%
183	54617	8.27	358.77	76%
184	51245	8.1	367.04	78%
192	40754	8.1	375.14	80%
182	52362	8.09	383.24	81%
189	49163	7.89	391.33	83%
193	38070	7.7	399.22	85%
180	51775	7.52	406.92	86%
173	49960	7.5	414.44	88%
191	44606	7.4	421.94	89%
159	56972	7.35	429.34	91%
181	49379	7.32	436.69	93%
188	50699	7.27	444.01	94%
186	46611	6.9	451.28	96%
190	44958	6.9	458.18	97%
200	46964	6.6	465.08	99%
187	47666	2.06	471.68	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el métodos de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 169 y 207 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 (27 de octubre de 2025) (ppmv de metano del FID); Todas las Celdas.

Número Identificación de la Celda de la Cuadrícula Número	Área de Superficie de la Celda de la Cuadrícula (pies²)	Integrada Valor FID (ppmv)	Acumulativo Valor Integrado	Fracción del Total
96	45229	23.32	23.32	11%
196	52053	19.3	46.64	22%
162	60853	18.19	65.94	30%
88	47618	17.12	84.13	39%
194	71501	13.4	101.25	47%
197	56626	12.3	114.65	53%
198	58685	12.1	126.95	59%
89	47690	10.63	139.05	64%
195	44221	10.1	149.68	69%
90	53791	9.6	159.78	74%
199	52647	9.4	169.38	78%
83	38592	7.96	178.78	82%
99	46820	7.83	186.74	86%
213	46753	7.65	194.57	90%
79	87028	7.42	202.22	93%
161	60199	7.22	209.64	97%
214	40386	6.4	216.86	100%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el métodos de análisis de datos de Alta Resolución. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 96, 194, 197 y 83 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 (27 de octubre de 2025) (ppmv de metano del FID); Todas las Celdas.

Número 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
157	45578	86.91	86.91	10%
158	49522	69.77	173.82	21%
148	50546	64.67	243.59	29%
233	49820	61.72	308.26	37%
154	54536	47.2	369.98	44%
53	60197	46.3	417.18	50%
82	42779	42.87	463.48	55%
231	50572	42.11	506.35	60%
240	48923	40.03	548.46	65%
229	49011	37.1	588.49	70%
238	31614	36.7	625.59	75%
81	48343	31.98	662.29	79%
167	62172	31.4	694.27	83%
230	49427	29.6	725.67	87%
170	55737	28.3	755.27	90%
149	56413	27.9	783.57	94%
215	40916	26.51	811.47	97%
165	79844	26.3	837.98	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 231 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 (27 de octubre 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 (pies^2)	FID Integrado Value (ppmv)	Integrado Acumulado Valor	Fracción del Total
96	45229	23.32	23.32	3%
152	42032	19.43	46.64	5%
174	48344	19.34	66.07	8%
196	52053	19.3	85.41	10%
175	50430	19.21	104.71	12%
178	50014	18.55	123.92	14%
146	45166	18.31	142.47	16%
162	60853	18.19	160.78	18%
169	54459	18.16	178.97	21%
210	62428	17.92	197.13	23%
168	59314	17.21	215.05	25%
88	47618	17.12	232.26	27%
209	60969	17.11	249.38	29%
166	56594	16.8	266.49	31%
147	45961	16.51	283.29	32%
78	82334	16.4	299.8	34%
151	43622	14.8	316.2	36%
163	50009	14.15	331	38%
76	48758	13.62	345.15	40%
194	71501	13.4	358.77	41%
150	70989	13.22	372.17	43%
205	42679	12.6	385.39	44%
206	61365	12.46	397.99	46%
156	47581	12.35	410.45	47%
197	56626	12.3	422.8	48%
198	58685	12.1	435.1	50%
212	58054	11.8	447.2	51%
203	51487	11.41	459	53%
179	48176	11.37	470.41	54%
202	45736	11.22	481.78	55%
145	60197	11.1	493	57%
89	47690	10.63	504.1	58%
155	44022	10.4	514.73	59%
208	70031	10.37	525.13	60%
171	49687	10.3	535.5	61%
201	47960	10.28	545.8	63%
204	54296	10.21	556.08	64%
195	44221	10.1	566.29	65%
176	52356	9.9	576.39	66%
164	61548	9.7	586.29	67%
177	47454	9.7	595.99	68%
153	45864	9.6	605.69	69%
90	53791	9.6	615.29	71%
199	52647	9.4	624.89	72%
185	50993	9.14	634.29	73%
207	62754	9.09	643.43	74%
32	55304	8.6	652.52	75%
172	44946	8.4	661.12	76%
211	59725	8.35	669.52	77%
30	53460	8.3	677.87	78%
160	66546	8.3	686.17	79%
183	54617	8.27	694.47	80%
184	51245	8.1	702.74	81%
192	40754	8.1	710.84	81%
182	52362	8.09	718.94	82%
83	38592	7.96	727.03	83%
189	49163	7.89	734.99	84%
99	46820	7.83	742.88	85%
77	99941	7.75	750.71	86%
193	38070	7.7	758.46	87%
213	46753	7.65	766.16	88%
180	51775	7.52	773.81	89%
173	49960	7.5	781.33	90%
79	87028	7.42	788.83	90%
191	44606	7.4	796.25	91%
159	56972	7.35	803.65	92%
181	49379	7.32	811	93%
188	50699	7.27	818.32	94%
161	60199	7.22	825.59	95%
186	46611	6.9	832.81	95%
190	44958	6.9	839.71	96%
200	46964	6.6	846.61	97%
33	50273	6.5	853.21	98%
214	40386	6.4	859.71	99%

Nota: Estas celdas de las cuadrículas de prueba se utilizaron para el métodos de análisis de datos de Legado. Las filas de las celdas reales probadas en esta tabla (Números de Identificación de Celda 169, 194, 197 y 89 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 10 de noviembre 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

		Rep	Rep. del Área	
Categoría	**Sub conjunto**	**Celda**	**(pies²)**	**(m²)**
Zona de Excesos		231	925,950	86,024
Zona Reactiva	Alto	96	158,135	14,691
Zona Reactiva	Medio	197	282,120	26,210
Zona Reactiva	Medio	194		
Zona Reactiva	Bajo	83	470,437	43,705
Membrana	Alto	169	745,892	69,296
Membrana	Bajo	207	1,408,075	130,814
Resistencia de la interfaz	Alto	209	152,096	14,130
Resistencia de la interfaz	Medio	76	282,777	26,271
Resistencia de la interfaz	Medio	78		
Resistencia de la interfaz	Bajo	211	542,044	50,358
Zona No Reactiva	Alto	243	1,271,594	118,135
Zona No Reactiva	Medio	217	2,614,524	242,897
Zona No Reactiva	Medio	248		
Zona No Reactiva	Bajo	111	4,051,650	376,411
Área No SEM			0	0
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

		Rep	Rep. del Área	
Categoría	**Sub conjunto**	**Celda**	**(pies²)**	**(m²)**
Zona de Excesos		231	925,950	86,024
Zona Reactiva	Alto	169	781,464	72,600
Zona Reactiva	Medio	194	1,308,062	121,523
Zona Reactiva	Medio	197		
Zona Reactiva	Bajo	83	1,952,050	181,351
Zona No Reactiva	Alto	243	1,271,594	118,135
Zona No Reactiva	Medio	217	2,614,524	242,897
Zona No Reactiva	Medio	248		
Zona No Reactiva	Bajo	111	4,051,650	376,411
Área No SEM			0	0
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.

Para la mayoría de los eventos de prueba, hay celdas que no se analizaron debido a conflictos operativos y a condiciones de mucho peligro. Para estas celdas que no pasan por un evento SEM, su superficie se suma en la categoría "Área No SEM". Sin embargo, para este evento de prueba, se analizaron todas las celdas del vertedero en el evento SEM y por lo tanto la superficie de celdas no SEM es de cero.

4. Resultados de la Toma de Muestras

Todas las muestras del Sexto Evento de Prueba se realizaron el 10-12 y el 24-25 de noviembre 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.

Para este evento de toma de muestras hubo algo de contaminación de propileno en el aire de barrido. Los datos corregidos se muestran en la Tabla 4.1. Para observar una explicación completa de cómo se gestiona esto, por favor consulte el **Memorandum Técnico de Validación de Datos** adjunto a este informe.

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. Se debe tener en cuenta que se proporcionan valores de propileno tanto corregidos como no corregidos (datos crudos de laboratorio).

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	Categoría de la Cuadrícula	LOC.	TO-15	SRS	Propileno			Metano		Dióxido de carbono		Hidrógeno		TNMHC C1		1,1-DFA	1,1-DFA Pie	Flujo Total	Flujo de CO2		Flujo de Metano		TNMHC Flujo	
					Laboratorio	Sustrato de Referencia	Corregido																	
			Código	Código a,b	(ppbv)	(ppbv)	(ppbv)	(ppmv)		(ppmv)		(ppmv)		(ppmv)		(ppbv)	(ppbv)	(m3/min)	mg/m2,min		mg/m2,min		mg/m2,min	
Cuadrícula 231	Celda de Excesos	1	T-101	S-101	27.93	41.02	ND	0.9	J	880		ND	U	50	J	134.1	199	0.007	85		0.03	J	0.0017	J
Cuadrícula 231		2	T-102	S-102	37.81	41.02	ND	0.5	U	270		ND	U	77	J	179.5	199	0.006	20		0.01	U	0.0020	J
Cuadrícula 231		3	T-103	S-103	ND	33.09	ND	41.2		796		ND	U	67	J	68.7	208	0.015	156		2.93		0.0048	J
Cuadrícula 231		4	T-104	S-104	ND	33.09	ND	148.9		483		ND	U	53	J	63.9	208	0.016	102		11.39		0.0041	J
Cuadrícula 76	Celdas de la Zona de la Interfaz	1	T-105	S-105	36.83	41.02	ND	0.5	U	ND	U	ND	U	70	J	212.6	199	0.005	5	U	0.01	U	0.0017	J
Cuadrícula 76	Mediano	2	T-106	S-106	34.65	41.02	ND	0.5	U	299		ND	U	59	J	168.2	199	0.006	23		0.01	U	0.0017	J
Cuadrícula 76		3	T-107	S-107	ND	33.09	ND	1.8	J	585		ND	U	ND	U	75.2	208	0.014	106		0.12	J	0.0015	U
Cuadrícula 76		4	T-108	S-108	ND	33.09	ND	15.0		487		ND	U	ND	U	46.7	208	0.022	143		1.61		0.0024	U
Cuadrícula 78	Celdas de la Zona de la Interfaz	1	T-109	S-109	38.96	41;02	ND	0.5	U	223		ND	U	140		174.4	199	0.006	17		0.01	U	0.0038	
Cuadrícula 78	Mediano	2	T-110	S-110	45.97	41.02	4.95	2.4		689		ND	U	203		200.7	199	0.005	45		0.06		0.0049	
Cuadrícula 78		3	T-111	S-111	ND	33.09	ND	104.1		433		ND	U	81	J	47.1	208	0.022	125		10.96		0.0085	J
Cuadrícula 78		4	T-112	S-112	57.35	33.09	24.26	1476.0		2680		ND	U	1,835		87.1	208	0.012	419		83.84		0.1042	
Cuadrícula 78	Réplica	4	T-113	S-113	64.18	33.09	31.09	1337.6		2598		ND	U	1,367		96.8	208	0.011	365		68.32		0.0698	
NA	Medio en Blanco	NA	S-114	S-114	41.02	41.02	NA	0.5	U	ND	U	ND	U	198		223.5	208	0.005	5	U	0.01	U	0.0050	
Cuadrícula 211	Celdas de la Zona de la Interfaz	1	T-201	S-201	22.69	42.11	ND	1.1	J	395		ND	U	ND	U	126.2	199	0.008	42		0.04	J	0.0009	U
Cuadrícula 211	Bajo	2	T-202	S-202	16.31	42.11	ND	1.9	J	277		ND	U	69	J	101.3	199	0.010	37		0.09	J	0.0034	J
Cuadrícula 211		3	T-203	S-203	ND	33.09	ND	1.4	J	230		ND	U	ND	U	167.9	208	0.006	19		0.04	J	0.0007	U
Cuadrícula 211		4	T-204	S-204	ND	33.09	ND	4.0		371		ND	U	348		135.7	208	0.008	38		0.15		0.0131	
Cuadrícula 209	Celdas de la Zona de la Interfaz	1	T-205	S-205	44.76	42.11	2.65	0.8	J	ND	U	ND	U	188		198.3	199	0.005	5	U	0.02	J	0.0046	
Cuadrícula 209	Alto	2	T-206	S-206	39.44	42.11	ND	0.5	U	ND	U	ND	U	237		221.5	199	0.005	5	U	0.01	U	0.0057	
Cuadrícula 209		3	T-207	S-207	ND	33.09	ND	1.8	J	ND	U	ND	U	ND	U	216.8	208	0.005	5	U	0.04	J	0.0005	U
Cuadrícula 209		4	T-208	S-208	0.70	33.09	ND	1.3	J	ND	U	ND	U	ND	U	211.1	208	0.005	5	U	0.03	J	0.0005	U
Cuadrícula 83	Zona Reactiva	1	T-209	S-209	5.01	33.09	ND	436.3		645		ND	U	68	J	188.4	208	0.006	47		11.58		0.0018	J
Cuadrícula 83	Bajo	2	T-210	S-210	53.3	42.11	11.19	3,059		2,661		ND	U	799		212.2	199	0.005	177		73.92		0.0193	
Cuadrícula 83		3	T-211	S-211	6.04	33.09	ND	1,542		1,691		ND	U	187		216.6	208	0.005	112		37.05		0.0045	
Cuadrícula 83		4	T-212	S-212	107.1	42.11	64.99	9,439		6,504		ND	U	2,919		111.5	199	0.009	770		406.37		0.1257	
Cuadrícula 83	Réplica	4	T-213	S-213	122.2	41.56	80.59	10,644		7,249		ND	U	706		129.7	199	0.008	738		393.89		0.0261	
NA	Medio en Blanco	NA	T-214	S-214	42.11	42.11	NA	0.5	U	ND	U	ND	U	171		226.5	208	0.005	5	U	0.01	U	0.0044	
Cuadrícula 197	Zona Reactiva	1	T-301	S-301	35.93	41;02	ND	1.3	J	821		ND	U	74	J	175.3	199	0.006	65		0.04	J	0.0021	J
Cuadrícula 197	Mediano	2	T-302	S-302	20.12	41.02	ND	14.7		803		ND	U	159		105.2	199	0.009	107		0.71		0.0077	
Cuadrícula 197		3	T-303	S-303	8.08	33.09	ND	16.4		1,907		ND	U	195		175.6	208	0.006	157		0.49		0.0059	
Cuadrícula 197		4	T-304	S-304	63.04	33.09	29.95	439.9		2,514		ND	U	1,464		208.9	208	0.005	175		11.13		0.0370	
Cuadrícula 96	Zona Reactiva	1	T-305	S-305	59.81	41.02	18.79	0.7	J	462		ND	U	229		226.5	199	0.005	32		0.02	J	0.0058	
Cuadrícula 96	Alto	2	T-306	S-306	55.99	41.02	14.97	7.1		484		ND	U	243		228.7	199	0.005	34		0.18		0.0061	
Cuadrícula 96		3	T-307	S-307	ND	33.09	ND	1,613		1,653		ND	U	673		208.7	208	0.005	114		40.49		0.0169	
Cuadrícula 96		4	T-308	S-308	89.37	33.09	56.28	8,992		7,170		ND	U	2,996		192.8	208	0.005	535		243.99		0.0813	
Cuadrícula 194	Zona Reactiva	1	T-309	S-309	ND	33.09	ND	5.8		246		ND	U	ND	U	75.4	208	0.014	48		0.41		0.0016	U
Cuadrícula 194	Mediano	2	T-310	S-310	ND	33.09	ND	0.9	J	ND	U	ND	U	ND	U	146.3	208	0.007	6	U	0.03	J	0.0008	U
Cuadrícula 194		3	T-311	S-311	14.32	41;02	ND	175.6		594		ND	U	181		101.3	199	0.010	81		8.74		0.0090	
Cuadrícula 194		4	T-312	S-312	182.6	41.02	141.6	21,338		18,971		ND	U	4,692		152.7	199	0.007	1,707		697.97		0.1535	
Cuadrícula 194	Réplica	4	T-313	S-313	263	41.02	221.95	21,659		18,664		ND	U	1,253		178.8	199	0.006	1,434		605.31		0.0350	
NA	Medio en Blanco	NA	T-314	S-314	33.09	33.09	NA	5.6		ND	U	ND	U	76	J	202.6	199	0.005	5	U	0.14		0.0019	J
Cuadrícula 111	Celda Normal	1	T-401	S-401	0.60	ND	ND	0.9	J	ND	U	ND	U	ND	U	179.0	206	0.005	4	U	0.02	J	0.0007	U
Cuadrícula 111	Bajo	2	T-402	S-402	ND	ND	ND	0.8	J	ND	U	ND	U	ND	U	154.3	206	0.007	6	U	0.03	J	0.0009	U
Cuadrícula 111		3	T-403	S-403	11.24	28.38	ND	1.9		453		ND	U	74	J	82.6	200	0.012	79		0.12		0.0047	J
Cuadrícula 111		4	T-404	S-404	21.47	28.38	ND	1.3	J	522		ND	U	66	J	156.9	200	0.006	47		0.04	J	0.0022	J
Cuadrícula 248	Celda Normal	1	T-405	S-405	25.85	28.38	ND	1.6	J	614		ND	U	154		155.1	200	0.006	55		0.05	J	0.0050	
Cuadrícula 248	Mediano	2	T-406	S-406	0.70	ND	0.70	1.1	J	1,199		ND	U	ND	U	154.9	206	0.007	109		0.04	J	0.0009	U
Cuadrícula 248		3	T-407	S-407	1.09	ND	1.09	54.1		657		ND	U	59	J	99.0	206	0.010	92		2.75		0.0030	J
Cuadrícula 248		4	T-408	S-408	56.78	28.38	28.4	872.0		846		ND	U	881		246.8	200	0.005	59		21.93		0.0222	
Cuadrícula 243	Celda Normal	1	T-409	S-409	1.84	ND	1.84	2.8		1,035		ND	U	99	J	167.3	206	0.006	85		0.08		0.0030	J
Cuadrícula 243	Alto	2	T-410	S-410	4.66	ND	4.66	209.8		1,200		ND	U	159	J	136.6	206	0.008	123		7.83		0.0059	J
Cuadrícula 243		3	T-411	S-411	30.93	28.38	2.55	1,774		3,968		ND	U	666		101.3	200	0.010	520		84.54		0.0317	
Cuadrícula 243		4	T-412	S-412	217.9	28.38	189.51	15,546		11,573		ND	U	4,021		209.7	200	0.005	782		381.79		0.0987	
Cuadrícula 243	Réplica	4	T-413	S-413	243.4	28.38	215.02	18,731		15,550		ND	U	7,694		235.3	200	0.005	1,050		460.00		0.1890	
NA	Medio en Blanco	NA	T-414	S-414	28.38	28.38	NA	1.3	J	ND	U	ND	U	210		221.9	200	0.005	4	U	0.03	J	0.0053	
Cuadrícula 217	Celda Normal	1	T-501	S-501	4.34	28.38	ND	5.2		869		ND	U	ND	U	30.2	200	0.033	418		0.91		0.0047	U
Cuadrícula 217	Mediano	2	T-502	S-502	19.55	28.38	ND	43.1		10,794		ND	U	599		102.3	200	0.010	1,517		2.20		0.0306	
Cuadrícula 217		3	T-503	S-503	2.25	ND	2.25	25.1		3,948		ND	U	277		53.9	206	0.019	1,090		2.52		0.0278	
Cuadrícula 217		4	T-504	S-504	0.74	ND	0.74	16.6		465		ND	U	89	J	100.7	206	0.010	68		0.89		0.0048	J
Cuadrícula 207	Celda de Membrana	1	T-505	S-505	21.24	28.38	ND	2.6		ND	U	ND	U	182		143.5	200	0.007	6	U	0.09		0.0065	
Cuadrícula 207	Bajo	2	T-506	S-506	25.72	28.38	ND	2.5		ND	U	ND	U	153	J	159.5	200	0.006	5	U	0.08		0.0049	J
Cuadrícula 207		3	T-507	S-507	1.28	ND	1.28	0.7	J	ND	U	ND	U	129	J	210.0	206	0.005	4	U	0.02	J	0.0033	J
Cuadrícula 207		4	T-508	S-508	1.5	ND	1.5	2.6		502		ND	U	62	J	149.5	206	0.007	49		0.09		0.0022	J
Cuadrícula 169	Celda de Membrana	1	T-509	S-509	22.46	28.38	ND	1.4	J	ND	U	ND	U	268		203.6	200	0.005	4	U	0.03	J	0.0068	
Cuadrícula 169	Alto	2	T-510	S-510	13.27	ND	13.27	475.9		998		ND	U	2,440		171.4	206	0.006	84		14.50		0.0744	
Cuadrícula 169		3	T-511	S-511	0.50	ND	0.50	0.5	U	ND	U	ND	U	109	J	202.2	206	0.005	4	U	0.01	U	0.0028	J
Cuadrícula 169		4	T-512	S-512	6.86	28.38	ND	2.2		259		ND	U	101	J	63.7	200	0.016	56		0.17		0.0080	J
Cuadrícula 169	Réplica	4	T-513	S-513	10.17	28.38	ND	2.2		239		ND	U	ND	U	67.3	200	0.015	49		0.16		0.0020	U
NA	Medio en Blanco	NA	T-514	S-514	ND	ND	NA	0.5	U	ND	U	ND	U	ND	U	228.3	206	0.005	4	U	0.01	U	0.0007	U

Se debe tener en cuenta que se utilizaron los datos de las muestras para cada serie de datos (ej. 100, 200, etc.) para tomar como referencia de datos de compuestos de propileno correctos.

1,1-Difluoroetano o 1,1-DFA

Tabla 4.1 Notas: LOC = Ubicación, H2 = Hidrógeno, TNMHC = Hidrocarburos No Metanos Totales, 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, 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.

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

ID de la Muestra:	Compuesto	Propileno	Propileno (Corregido)	Metanol	Acetona	Tolueno	Ciclohexano	Tricloroeteno (TCE)	2-Butanona (MEK)	Tetrahidrofurano	n-Heptano	m,p-Xyleno	Benceno	o-Xileno	Hexano	Cloroformo	1,2-Dicloroetano	Etilbenceno	Octano
	CAS	115-07-1	115-07-1	67-56-1	67-64-1	108-88-3	110-82-7	79-01-6	78-93-3	109-99-9	142-82-5	1330-20-7	71-43-2	95-47-6	110-54-3	67-66-3	107-06-2	100-41-4	111-65-9
	MW	42.08	42.08	32	58.1	92.1	84.2	131.4	72.1	72.1	100.2	106.2	78.1	106.2	86.2	119.4	99	106.2	114.2
T-101		0.0026	<1.53E-05	0.0019	0.0014	<6.78E-05	<1.57E-05	<1.16E-05	<2.62E-05	<1.35E-05	<3.63E-05	<3.85E-05	<1.00E-04	<3.85E-05	<3.13E-05	<2.23E-05	<1.85E-05	<3.85E-05	<4.14E-05
T-102		0.0026	<1.15E-05	0.0018	0.0012	<5.09E-05	<1.18E-05	0.000	<1.96E-05	<1.01E-05	<2.73E-05	<2.89E-05	<7.54E-05	<2.89E-05	<2.35E-05	<1.68E-05	<1.39E-05	<2.89E-05	<3.11E-05
T-103		<3.08E-05	<3.08E-05	0.0054	0.0046	<1.37E-04	<3.18E-05	<2.33E-05	<5.28E-05	0.001	<7.34E-05	<7.78E-05	<2.03E-04	<7.78E-05	<6.32E-05	<4.51E-05	<3.74E-05	<7.78E-05	<8.37E-05
T-104		<3.32E-05	<3.32E-05	0.0047	0.0042	<1.48E-04	<3.42E-05	<2.51E-05	<5.69E-05	<2.93E-05	<7.91E-05	<8.38E-05	<2.18E-04	<8.38E-05	<6.80E-05	<4.85E-05	<4.02E-05	<8.38E-05	<9.01E-05
T-105		0.0023	<1.04E-05	<4.00E-05	0.0004	<4.62E-05	<1.07E-05	0.000	<1.78E-05	<9.17E-06	<2.47E-05	<2.62E-05	<6.84E-05	<2.62E-05	<2.13E-05	<1.52E-05	<1.26E-05	<2.62E-05	<2.82E-05
T-106		0.0026	<1.22E-05	<4.71E-05	<8.55E-05	<5.43E-05	<1.26E-05	0.000	<2.10E-05	<1.08E-05	<2.91E-05	<3.09E-05	<8.05E-05	<3.09E-05	<2.51E-05	<1.79E-05	<1.48E-05	<3.09E-05	<3.32E-05
T-107		<2.86E-05	<2.86E-05	0.0006	<2.00E-04	<1.27E-04	<2.95E-05	<2.16E-05	<4.90E-05	<2.52E-05	<6.81E-05	<7.22E-05	<1.88E-04	<7.22E-05	<5.86E-05	<4.18E-05	<3.47E-05	<7.22E-05	<7.76E-05
T-108		<4.64E-05	<4.64E-05	<1.79E-04	<3.24E-04	<2.06E-04	<4.79E-05	<3.51E-05	<7.96E-05	<4.10E-05	<1.11E-04	<1.17E-04	<3.06E-04	<1.17E-04	<9.51E-05	<6.79E-05	<5.63E-05	<1.17E-04	<1.26E-04
T-109		0.0028	<1.19E-05	<4.60E-05	0.0006	<5.31E-05	<1.23E-05	0.000	<2.05E-05	<1.05E-05	<2.84E-05	<3.01E-05	<7.86E-05	<3.01E-05	<2.45E-05	<1.75E-05	<1.45E-05	<3.01E-05	<3.24E-05
T-110		0.0029	0.00031	<3.99E-05	0.0003	<4.61E-05	<1.07E-05	0.000	<1.78E-05	<9.16E-06	<2.47E-05	<2.62E-05	<6.83E-05	<2.62E-05	<2.13E-05	0.000	<1.26E-05	<2.62E-05	<2.82E-05
T-111		<4.57E-05	<4.57E-05	<1.76E-04	<3.19E-04	<2.03E-04	<4.71E-05	<3.46E-05	<7.83E-05	<4.03E-05	<1.09E-04	<1.15E-04	<3.01E-04	<1.15E-04	<9.36E-05	0.002	<5.54E-05	<1.15E-04	<1.24E-04
T-112		0.0086	0.00362	0.0003	<1.72E-04	0.001	0.002	<1.87E-05	<4.22E-05	<2.18E-05	<5.87E-05	<6.22E-05	<1.62E-04	<6.22E-05	<5.05E-05	<3.60E-05	<2.99E-05	<6.22E-05	<6.69E-05
T-113		0.0086	0.00418	0.0004	<1.55E-04	0.000	0.001	<1.68E-05	<3.80E-05	<1.96E-05	<5.28E-05	<5.59E-05	<1.46E-04	0.000	<4.54E-05	<3.24E-05	<2.69E-05	0.000	<6.02E-05
T-114		0.0027	<2.75E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05
T-201		0.0023	<1.67E-05	0.0005	0.0008	<7.43E-05	<1.72E-05	0.000	0.001	<1.48E-05	<3.98E-05	<4.22E-05	<1.10E-04	<4.22E-05	<3.42E-05	<2.44E-05	<2.03E-05	<4.22E-05	<4.54E-05
T-202		0.0021	<2.12E-05	0.0002	0.0005	<9.41E-05	<2.18E-05	0.000	<3.63E-05	<1.87E-05	<5.04E-05	<5.34E-05	<1.39E-04	<5.34E-05	<4.34E-05	<3.09E-05	<2.57E-05	<5.34E-05	<5.75E-05
T-203		<1.32E-05	<1.32E-05	0.0002	0.0004	<5.89E-05	<1.37E-05	<1.00E-05	<2.27E-05	<1.17E-05	<3.15E-05	<3.34E-05	<8.72E-05	<3.34E-05	<2.71E-05	<1.94E-05	<1.61E-05	<3.34E-05	<3.60E-05
T-204		<1.64E-05	<1.64E-05	<6.30E-05	0.0005	<7.27E-05	<1.69E-05	<1.24E-05	<2.80E-05	<1.44E-05	<3.90E-05	<4.13E-05	<1.08E-04	<4.13E-05	<3.35E-05	<2.39E-05	<1.98E-05	<4.13E-05	<4.44E-05
T-205		0.0028	0.00017	<4.04E-05	0.0003	<4.66E-05	<1.08E-05	0.000	<1.80E-05	<9.26E-06	<2.50E-05	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05
T-206		0.0025	<1.05E-05	<4.04E-05	0.0003	<4.66E-05	<1.08E-05	0.000	<1.80E-05	<9.26E-06	<2.50E-05	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05
T-207		<1.04E-05	<1.04E-05	<4.02E-05	<7.30E-05	<4.64E-05	<1.08E-05	<7.91E-06	<1.79E-05	<9.22E-06	<2.49E-05	<2.64E-05	<6.88E-05	<2.64E-05	<2.14E-05	<1.53E-05	<1.27E-05	<2.64E-05	<2.84E-05
T-208		0.0000	<1.05E-05	<4.03E-05	<7.31E-05	<4.65E-05	<1.08E-05	<7.92E-06	<1.79E-05	<9.24E-06	<2.49E-05	<2.64E-05	<6.89E-05	<2.64E-05	<2.14E-05	<1.53E-05	<1.27E-05	<2.64E-05	<2.84E-05
T-209		0.0003	<1.15E-05	0.0001	0.0006	<5.12E-05	<1.19E-05	<8.72E-06	<1.97E-05	<1.02E-05	<2.74E-05	<2.91E-05	<7.58E-05	<2.91E-05	<2.36E-05	0.001	<1.40E-05	<2.91E-05	<3.12E-05
T-210		0.0034	0.00071	<4.04E-05	<7.33E-05	<4.66E-05	0.000	0.000	<1.80E-05	<9.26E-06	0.000	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05
T-211		0.0004	<1.04E-05	0.0001	<7.29E-05	0.000	<1.08E-05	<7.90E-06	<1.79E-05	<9.21E-06	<2.48E-05	<2.63E-05	<6.86E-05	<2.63E-05	<2.14E-05	0.000	<1.26E-05	<2.63E-05	<2.83E-05
T-212		0.0121	0.00736	<7.19E-05	<1.31E-04	<8.30E-05	0.001	<1.41E-05	<3.20E-05	<1.65E-05	<4.45E-05	<4.71E-05	<1.23E-04	<4.71E-05	<3.83E-05	<2.73E-05	<2.26E-05	<4.71E-05	<5.07E-05
T-213		0.0119	0.00784	<6.18E-05	<1.12E-04	<7.14E-05	0.001	<1.22E-05	<2.75E-05	<1.42E-05	<3.82E-05	<4.05E-05	<1.06E-04	<4.05E-05	<3.29E-05	<2.35E-05	<1.95E-05	<4.05E-05	<4.36E-05
T-214		0.0028	<2.82E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05
T-301		0.0027	<1.25E-05	0.0005	0.0010	<5.57E-05	<1.29E-05	0.000	0.000	<1.11E-05	<2.98E-05	<3.16E-05	<8.25E-05	<3.16E-05	<2.57E-05	<1.83E-05	<1.52E-05	<3.16E-05	<3.40E-05
T-302		0.0026	<2.10E-05	0.0004	0.0011	<9.31E-05	<2.16E-05	0.000	<3.59E-05	<1.85E-05	<4.99E-05	<5.29E-05	<1.38E-04	<5.29E-05	<4.29E-05	<3.06E-05	<2.54E-05	<5.29E-05	<5.69E-05
T-303		0.0006	<1.30E-05	0.0009	0.0011	0.000	<1.34E-05	<9.86E-06	<2.23E-05	<1.15E-05	<3.10E-05	<3.29E-05	<8.57E-05	<3.29E-05	<2.67E-05	<1.90E-05	<1.58E-05	<3.29E-05	<3.54E-05
T-304		0.0042	0.00199	0.0006	0.0011	0.002	0.002	<8.31E-06	<1.88E-05	0.001	<2.61E-05	0.002	0.001	0.001	0.003	<1.60E-05	0.001	0.001	<2.98E-05
T-305		0.0040	0.00125	0.0020	0.0012	<4.87E-05	<1.13E-05	0.000	0.000	<9.67E-06	<2.61E-05	<2.77E-05	<7.21E-05	<2.77E-05	<2.24E-05	<1.60E-05	<1.33E-05	<2.77E-05	<2.97E-05
T-306		0.0037	0.00099	0.0022	0.0009	<4.86E-05	<1.13E-05	0.000	<1.87E-05	<9.65E-06	<2.60E-05	<2.76E-05	<7.20E-05	<2.76E-05	<2.24E-05	<1.60E-05	<1.33E-05	<2.76E-05	<2.97E-05
T-307		<1.09E-05	<1.09E-05	0.0019	0.0007	0.000	<1.12E-05	<8.25E-06	<1.87E-05	<9.62E-06	<2.59E-05	<2.75E-05	<7.17E-05	<2.75E-05	<2.23E-05	<1.59E-05	<1.32E-05	<2.75E-05	<2.96E-05
T-308		0.0064	0.00402	0.0013	0.0006	0.000	0.000	<8.91E-06	<2.02E-05	<1.04E-05	<2.80E-05	0.001	<7.75E-05	0.001	<2.41E-05	<1.72E-05	<1.43E-05	<2.97E-05	<3.20E-05
T-309		<3.05E-05	<3.05E-05	0.0019	0.0016	<1.36E-04	<3.15E-05	<2.31E-05	<5.23E-05	<2.69E-05	<7.27E-05	<7.70E-05	<2.01E-04	<7.70E-05	<6.25E-05	<4.46E-05	<3.70E-05	<7.70E-05	<8.28E-05
T-310		<1.58E-05	<1.58E-05	0.0023	0.0009	<7.00E-05	<1.62E-05	<1.19E-05	<2.70E-05	<1.39E-05	<3.75E-05	<3.98E-05	<1.04E-04	<3.98E-05	<3.23E-05	<2.30E-05	<1.91E-05	<3.98E-05	<4.27E-05
T-311		0.0019	<2.16E-05	0.0020	0.0009	<9.60E-05	<2.23E-05	<1.64E-05	<3.70E-05	<1.91E-05	<5.14E-05	<5.45E-05	<1.42E-04	<5.45E-05	<4.43E-05	<3.16E-05	<2.62E-05	<5.45E-05	<5.86E-05
T-312		0.0157	0.01218	0.0010	<9.92E-05	0.004	0.001	0.000	<2.43E-05	0.001	0.001	0.005	0.001	0.004	<2.91E-05	0.005	<1.72E-05	0.001	0.001
T-313		0.0193	0.01631	0.0013	<8.47E-05	0.003	0.000	0.000	0.001	0.001	0.001	0.004	0.001	0.003	0.001	0.005	<1.47E-05	0.001	0.001
T-314		0.0022	<2.22E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05
T-401		0.0000	<1.36E-05	<5.11E-05	0.0003	<5.87E-05	<1.36E-05	0.003	<2.33E-05	<1.16E-05	<3.23E-05	<3.43E-05	<8.76E-05	<3.43E-05	<2.78E-05	<1.93E-05	<1.60E-05	<3.43E-05	<3.69E-05
T-402		<1.81E-05	<1.81E-05	<6.83E-05	0.0003	<7.84E-05	<1.82E-05	0.004	<3.11E-05	<1.55E-05	<4.32E-05	<4.58E-05	<1.17E-04	<4.58E-05	0.001	<2.57E-05	<2.13E-05	<4.58E-05	<4.92E-05
T-403		0.0019	<3.34E-05	<1.26E-04	0.0008	<1.44E-04	<3.34E-05	<2.61E-05	<5.72E-05	<2.86E-05	<7.95E-05	<8.43E-05	<2.15E-04	<8.43E-05	0.000	<4.74E-05	<3.93E-05	<8.43E-05	<9.07E-05
T-404		0.0019	<1.69E-05	<6.50E-05	0.0007	<7.50E-05	<1.74E-05	<1.35E-05	<2.90E-05	<1.49E-05	<4.03E-05	<4.27E-05	<1.11E-04	<4.27E-05	<3.46E-05	<2.46E-05	<2.04E-05	<4.27E-05	<4.59E-05
T-405		0.0022	<1.67E-05	0.0003	0.0015	<7.40E-05	<1.71E-05	<1.34E-05	0.001	0.001	<3.98E-05	<4.22E-05	<1.10E-04	<4.22E-05	<3.42E-05	<2.43E-05	<2.02E-05	<4.22E-05	<4.53E-05
T-406		0.0001	0.00006	0.0003	0.0006	<7.58E-05	<1.73E-05	0.004	0.000	<1.48E-05	<4.12E-05	<4.37E-05	<1.12E-04	<4.37E-05	<3.55E-05	<2.46E-05	<2.04E-05	<4.37E-05	<4.70E-05
T-407		0.0001	0.00015	0.0006	0.0019	<1.20E-04	<2.81E-05	0.004	0.001	0.000	<6.52E-05	<6.91E-05	<1.79E-04	<6.91E-05	<5.61E-05	<3.98E-05	<3.30E-05	<6.91E-05	<7.43E-05
T-408		0.0038	0.00188	<5.11E-05	0.0005	<5.86E-05	<1.32E-05	<1.03E-05	0.000	<1.13E-05	<3.23E-05	<3.42E-05	<8.72E-05	<3.42E-05	0.000	<1.88E-05	<1.56E-05	<3.42E-05	<3.68E-05
T-409		0.0001	0.00014	0.0008	0.0015	<7.16E-05	<1.66E-05	0.003	0.000	<1.42E-05	<3.85E-05	<4.08E-05	<1.06E-04	<4.08E-05	<3.31E-05	<2.35E-05	<1.95E-05	<4.08E-05	<4.38E-05
T-410		0.0005	0.00046	0.0003	0.0013	<8.80E-05	<2.06E-05	0.004	0.000	<1.77E-05	<4.79E-05	<5.08E-05	<1.31E-04	<5.08E-05	<4.12E-05	0.000	<2.42E-05	<5.08E-05	<5.46E-05
T-411		0.0039	0.00032	0.0007	0.0011	<1.12E-04	<2.63E-05	0.000	0.000	<2.25E-05	<6.12E-05	<6.48E-05	0.000	<6.48E-05	0.000	0.000	<3.10E-05	<6.48E-05	<6.97E-05
T-412		0.0141	0.01224	0.0001	0.0064	0.013	0.008	0.001	0.007	0.004	0.008	0.002	0.002	0.001	0.002	<1.83E-05	0.003	0.002	0.003
T-413		0.0157	0.01389	0.0001	0.0062	0.02	0.010	0.001	0.007	0.004	0.009	0.005	0.002	0.002	0.002	<2.02E-05	0.004	0.003	0.004
T-414		0.0019	<1.90E-03	<4.92E-05	<8.93E-05	<5.65E-05	<1.27E-05	<1.05E-05	<2.24E-05	<1.09E-05	<3.11E-05	<3.30E-05	<8.40E-05	<3.30E-05	<2.68E-05	<1.81E-05	<1.50E-05	<3.30E-05	<3.55E-05
T-501		0.0020	<9.20E-05	<3.46E-04	0.0024	0.001	<9.20E-05	<7.18E-05	0.001	<7.88E-05	<2.19E-04	<2.32E-04	<5.93E-04	<2.32E-04	<1.88E-04	<1.31E-04	<1.08E-04	<2.32E-04	<2.50E-04
T-502		0.0026	<2.62E-05	<1.01E-04	0.0006	<1.16E-04	0.000	0.000	0.000	<2.30E-05	<6.24E-05	<6.61E-05	<1.72E-04	<6.61E-05	<5.37E-05	0.001	<3.16E-05	<6.61E-05	<7.11E-05
T-503		0.0006	0.00059	<2.01E-04	0.0014	<2.31E-04	0.001	0.005	0.001	0.000	<1.26E-04	<1.33E-04	<3.43E-04	<1.33E-04	0.000	0.000	<6.21E-05	<1.33E-04	<1.43E-04
T-504		0.0001	0.00010	<1.08E-04	0.0006	<1.25E-04	<2.81E-05	0.005	<4.94E-05	<2.41E-05	<6.86E-05	<7.27E-05	0.000	<7.27E-05	<5.90E-05	<3.99E-05	<3.31E-05	<7.27E-05	<7.82E-05
T-505		0.0020	<1.91E-05	<7.35E-05	0.0004	<8.48E-05	<1.96E-05	<1.46E-05	<3.28E-05	<1.68E-05	<4.56E-05	<4.83E-05	0.000	<4.83E-05	<3.92E-05	<2.78E-05	<2.31E-05	<4.83E-05	<5.20E-05
T-506		0.0022	<1.68E-05	<6.40E-05	0.0003	<7.37E-05	<1.68E-05	<1.31E-05	<2.89E-05	<1.44E-05	<4.01E-05	<4.25E-05	0.000	<4.25E-05	<3.45E-05	<2.39E-05	<1.98E-05	<4.25E-05	<4.57E-05
T-507		0.0001	0.00009	<5.27E-05	0.0002	0.000	<1.42E-05	0.005	<2.38E-05	<1.22E-05	<3.30E-05	0.000	0.001	<3.50E-05	<2.84E-05	<2.02E-05	<1.67E-05	0.000	<3.76E-05
T-508		0.0001	0.00014	0.0002	0.0032	<8.13E-05	<1.86E-05	0.000	0.000	<1.59E-05	<4.42E-05	0.000	0.000	0.000	<3.81E-05	<2.64E-05	<2.19E-05	<4.69E-05	<5.04E-05
T-509		0.0015	<1.50E-05	<5.74E-05	0.0005	<6.62E-05	<1.53E-05	<1.14E-05	0.000	0.000	<3.56E-05	0.000	0.000	<3.78E-05	<3.07E-05	<2.17E-05	<1.80E-05	0.000	<4.06E-05
T-510		0.0011	0.00106	0.0012	0.0024	0.001	0.000	0.005	0.001	0.006	0.000	0.001	0.004	0.000	<3.20E-05	<2.16E-05	0.000	0.000	<4.24E-05
T-511		0.0000	0.00003	<5.39E-05	0.0004	<6.22E-05	<1.41E-05	0.004	0.000	<1.20E-05	<3.34E-05	0.000	0.000	<3.54E-05	<2.88E-05	<1.99E-05	<1.65E-05	<3.54E-05	<3.81E-05
T-512		0.0014	<4.24E-05	<1.60E-04	0.0012	<1.84E-04	<4.14E-05	<3.23E-05	0.000	<3.55E-05	<1.01E-04	<1.07E-04	0.001	<1.07E-04	<8.69E-05	<5.87E-05	<4.87E-05	<1.07E-04	<1.15E-04
T-513		0.0020	<3.82E-05	<1.45E-04	0.0011	<1.67E-04	<3.92E-05	<3.06E-05	0.000	<3.35E-05	<9.09E-05	0.000	0.002	<9.64E-05	<7.82E-05	<5.56E-05	<4.61E-05	<9.64E-05	<1.04E-04
T-514		<1.34E-05	<1.34E-05	<5.15E-05	<9.35E-05	<5.94E-05	<1.34E-05	<1.05E-05	<2.30E-05	<1.15E-05	<3.19E-05	<3.38E-05	<8.77E-05	<3.38E-05	<2.75E-05	<1.90E-05	<1.58E-05	<3.38E-05	<3.64E-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.).

ID de la Muestra:	Compuesto	Nonano	Isopropiltolueno	Cloroetano	Acroleína	Clorometano	Disulfuro de carbono	Etanol	Tetracloroetileno (PCE)	1,3,5-Trimetilbenceno	Cloruro de metileno	Estireno	cis-1,2-Dicloroeteno	1,2,4-Trimetilbenceno	2,2,4-Trimetilpentano	Decano	4-Etiltolueno	2-propanol (alcohol isopropílico)	Yoduro de metilo	2-Hexanona
	CAS	111-84-2	99-87-6	75-00-3	107-02-8	74-87-3	75-15-0	64-17-5	127-18-4	108-67-8	75-09-2	100-42-5	156-59-2	95-63-6	540-84-1	124-18-5	622-96-8	67-63-0	4227-95-6	591-78-6	
	MW	128.3	134.2	64.5	56.1	50.5	76.1	46.1	165.8	120.2	84.9	104.2	96.9	120.2	114.2	142.3	120.2	60.1	142.9	100.2
T-101		<4.65E-05	<9.88E-05	<2.34E-05	<2.04E-05	<2.78E-05	<2.76E-05	<8.46E-05	<1.46E-05	<8.85E-05	<1.59E-05	<5.73E-05	<1.81E-05	<8.85E-05	<2.13E-05	<1.05E-04	<8.85E-05	<4.43E-05	<5.18E-05	<3.63E-05
T-102		<3.49E-05	<7.42E-05	<1.76E-05	<1.53E-05	<2.08E-05	<2.07E-05	<6.35E-05	<1.09E-05	<6.65E-05	<1.19E-05	<4.30E-05	<1.36E-05	<6.65E-05	<1.60E-05	<7.87E-05	<6.65E-05	<3.32E-05	<3.89E-05	<2.73E-05
T-103		<9.40E-05	<2.00E-04	<4.73E-05	<4.11E-05	<5.61E-05	<5.58E-05	<1.71E-04	<2.94E-05	<1.79E-04	<3.20E-05	<1.16E-04	<3.66E-05	<1.79E-04	<4.31E-05	<2.12E-04	<1.79E-04	<8.94E-05	<1.05E-04	<7.34E-05
T-104		<1.01E-04	<2.15E-04	<5.09E-05	<4.43E-05	<6.04E-05	<6.00E-05	<1.84E-04	<3.17E-05	<1.93E-04	<3.45E-05	<1.25E-04	<3.94E-05	<1.93E-04	<4.64E-05	<2.28E-04	<1.93E-04	<9.63E-05	<1.13E-04	<7.91E-05
T-105		<3.17E-05	<6.73E-05	<1.59E-05	<1.39E-05	<1.89E-05	<1.88E-05	<5.76E-05	<9.93E-06	<6.03E-05	<1.08E-05	<3.90E-05	<1.23E-05	<6.03E-05	<1.45E-05	<7.14E-05	<6.03E-05	<3.01E-05	<3.53E-05	<2.47E-05
T-106		<3.73E-05	<7.92E-05	<1.87E-05	<1.63E-05	<2.22E-05	<2.21E-05	<6.78E-05	<1.17E-05	<7.09E-05	<1.27E-05	<4.59E-05	<1.45E-05	<7.09E-05	<1.71E-05	<8.40E-05	<7.09E-05	<3.55E-05	<4.15E-05	<2.91E-05
T-107		<8.72E-05	<1.85E-04	<4.38E-05	<3.81E-05	<5.20E-05	<5.17E-05	<1.59E-04	<2.73E-05	<1.66E-04	<2.97E-05	<1.07E-04	<3.39E-05	<1.66E-04	<4.00E-05	<1.96E-04	<1.66E-04	<8.29E-05	<9.71E-05	<6.81E-05
T-108		<1.42E-04	<3.01E-04	<7.12E-05	<6.19E-05	<8.44E-05	<8.40E-05	<2.57E-04	<4.44E-05	<2.69E-04	<4.83E-05	<1.74E-04	<5.51E-05	<2.69E-04	<6.49E-05	<3.19E-04	<2.69E-04	<1.35E-04	<1.58E-04	<1.11E-04
T-109		<3.64E-05	<7.73E-05	<1.83E-05	<1.59E-05	0.000	<2.16E-05	0.000	<1.14E-05	<6.93E-05	<1.24E-05	<4.48E-05	<1.42E-05	<6.93E-05	<1.67E-05	<8.20E-05	<6.93E-05	<3.46E-05	<4.06E-05	<2.84E-05
T-110		<3.16E-05	<6.72E-05	<1.59E-05	<1.38E-05	<1.89E-05	<1.88E-05	<5.75E-05	<9.91E-06	<6.02E-05	<1.08E-05	<3.89E-05	<1.23E-05	<6.02E-05	<1.45E-05	<7.12E-05	<6.02E-05	<3.01E-05	<3.52E-05	<2.47E-05
T-111		<1.39E-04	<2.96E-04	<7.01E-05	<6.09E-05	<8.31E-05	<8.27E-05	<2.53E-04	<4.37E-05	<2.65E-04	<4.75E-05	<1.71E-04	<5.42E-05	<2.65E-04	<6.39E-05	<3.14E-04	<2.65E-04	<1.33E-04	<1.55E-04	<1.09E-04
T-112		<7.52E-05	<1.60E-04	<3.78E-05	<3.29E-05	<4.48E-05	<4.46E-05	<1.37E-04	<2.35E-05	<1.43E-04	<2.56E-05	<9.25E-05	<2.92E-05	<1.43E-04	<3.45E-05	<1.69E-04	<1.43E-04	<7.15E-05	<8.37E-05	<5.87E-05
T-113		<6.76E-05	<1.44E-04	<3.40E-05	<2.96E-05	<4.03E-05	<4.01E-05	<1.23E-04	<2.12E-05	<1.29E-04	<2.30E-05	<8.32E-05	<2.63E-05	<1.29E-04	<3.10E-05	<1.52E-04	<1.29E-04	<6.43E-05	<7.53E-05	<5.28E-05
T-114		<3.37E-05	<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05
T-201		<5.10E-05	<1.08E-04	<2.56E-05	<2.23E-05	<3.04E-05	<3.02E-05	0.000	<1.60E-05	<9.69E-05	<1.74E-05	<6.27E-05	<1.98E-05	<9.69E-05	<2.34E-05	<1.15E-04	<9.69E-05	<4.85E-05	<5.68E-05	<3.98E-05
T-202		<6.45E-05	<1.37E-04	<3.25E-05	<2.82E-05	<3.85E-05	<3.83E-05	0.001	<2.02E-05	<1.23E-04	<2.20E-05	<7.94E-05	<2.51E-05	<1.23E-04	<2.96E-05	<1.45E-04	<1.23E-04	<6.14E-05	<7.19E-05	<5.04E-05
T-203		<4.04E-05	<8.58E-05	<2.03E-05	<1.77E-05	<2.41E-05	<2.40E-05	0.000	<1.27E-05	<7.68E-05	<1.38E-05	<4.97E-05	<1.57E-05	<7.68E-05	<1.85E-05	<9.10E-05	<7.68E-05	<3.84E-05	<4.50E-05	<3.15E-05
T-204		<4.99E-05	<1.06E-04	<2.51E-05	<2.18E-05	<2.98E-05	<2.96E-05	<9.07E-05	<1.56E-05	<9.49E-05	<1.70E-05	<6.14E-05	<1.94E-05	<9.49E-05	<2.29E-05	<1.12E-04	<9.49E-05	<4.75E-05	<5.56E-05	<3.90E-05
T-205		<3.20E-05	<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	<1.00E-05	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05
T-206		<3.20E-05	<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	<1.00E-05	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05
T-207		<3.19E-05	<6.77E-05	<1.60E-05	<1.39E-05	<1.90E-05	<1.89E-05	<5.79E-05	<9.98E-06	<6.06E-05	<1.09E-05	<3.92E-05	<1.24E-05	<6.06E-05	<1.46E-05	<7.17E-05	<6.06E-05	<3.03E-05	<3.55E-05	<2.49E-05
T-208		<3.19E-05	<6.78E-05	<1.60E-05	<1.40E-05	<1.90E-05	<1.89E-05	<5.80E-05	<1.00E-05	<6.07E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.07E-05	<1.46E-05	<7.19E-05	<6.07E-05	<3.04E-05	<3.55E-05	<2.49E-05
T-209		<3.51E-05	<7.45E-05	<1.76E-05	0.000	<2.09E-05	<2.08E-05	<6.38E-05	<1.10E-05	<6.68E-05	<1.20E-05	<4.32E-05	<1.37E-05	<6.68E-05	<1.61E-05	<7.90E-05	<6.68E-05	<3.34E-05	<3.91E-05	<2.74E-05
T-210		<3.20E-05	<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	0.000	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05
T-211		<3.18E-05	<6.75E-05	<1.60E-05	<1.39E-05	<1.90E-05	<1.89E-05	<5.78E-05	<9.96E-06	<6.05E-05	<1.08E-05	<3.91E-05	<1.24E-05	<6.05E-05	<1.46E-05	<7.16E-05	<6.05E-05	<3.02E-05	<3.54E-05	<2.48E-05
T-212		<5.70E-05	<1.21E-04	<2.86E-05	<2.49E-05	<3.40E-05	0.000	<1.04E-04	<1.78E-05	<1.08E-04	<1.94E-05	<7.01E-05	<2.22E-05	<1.08E-04	<2.61E-05	<1.28E-04	<1.08E-04	<5.42E-05	<6.34E-05	<4.45E-05
T-213		<4.90E-05	<1.04E-04	<2.46E-05	<2.14E-05	<2.92E-05	0.000	<8.90E-05	<1.53E-05	<9.31E-05	<1.67E-05	<6.03E-05	<1.91E-05	<9.31E-05	<2.25E-05	<1.10E-04	<9.31E-05	<4.66E-05	<5.45E-05	<3.82E-05
T-214		<3.37E-05	<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05
T-301		<3.82E-05	<8.11E-05	<1.92E-05	<1.67E-05	<2.28E-05	<2.27E-05	<6.95E-05	<1.20E-05	<7.27E-05	<1.30E-05	<4.70E-05	<1.49E-05	<7.27E-05	<1.75E-05	<8.60E-05	<7.27E-05	<3.63E-05	<4.26E-05	<2.98E-05
T-302		<6.39E-05	<1.36E-04	<3.21E-05	<2.79E-05	<3.81E-05	<3.79E-05	<1.16E-04	<2.00E-05	<1.22E-04	<2.18E-05	<7.86E-05	<2.49E-05	<1.22E-04	<2.93E-05	<1.44E-04	<1.22E-04	<6.08E-05	<7.12E-05	<4.99E-05
T-303		<3.97E-05	<8.43E-05	<2.00E-05	0.000	0.000	<2.36E-05	<7.22E-05	<1.24E-05	<7.55E-05	<1.35E-05	<4.89E-05	<1.55E-05	<7.55E-05	<1.82E-05	<8.94E-05	<7.55E-05	<3.78E-05	<4.42E-05	<3.10E-05
T-304		<3.35E-05	<7.11E-05	<1.68E-05	<1.46E-05	0.001	0.000	<6.09E-05	<1.05E-05	<6.37E-05	0.000	<4.12E-05	<1.30E-05	<6.37E-05	<1.53E-05	<7.54E-05	<6.37E-05	<3.18E-05	<3.73E-05	<2.61E-05
T-305		<3.34E-05	<7.09E-05	<1.68E-05	0.000	<1.99E-05	<1.98E-05	<6.07E-05	<1.05E-05	<6.35E-05	<1.14E-05	<4.11E-05	<1.30E-05	<6.35E-05	<1.53E-05	<7.52E-05	<6.35E-05	<3.18E-05	<3.72E-05	<2.61E-05
T-306		<3.33E-05	<7.08E-05	<1.68E-05	0.000	<1.99E-05	<1.98E-05	<6.06E-05	<1.04E-05	<6.34E-05	<1.14E-05	<4.10E-05	<1.30E-05	<6.34E-05	<1.53E-05	<7.51E-05	<6.34E-05	<3.17E-05	<3.71E-05	<2.60E-05
T-307		<3.32E-05	<7.05E-05	<1.67E-05	0.000	<1.98E-05	<1.97E-05	<6.04E-05	<1.04E-05	<6.32E-05	<1.13E-05	<4.09E-05	<1.29E-05	<6.32E-05	<1.52E-05	<7.48E-05	<6.32E-05	<3.16E-05	<3.70E-05	<2.59E-05
T-308		<3.59E-05	0.000	<1.80E-05	<1.57E-05	<2.14E-05	<2.13E-05	<6.53E-05	<1.12E-05	0.000	<1.22E-05	<4.42E-05	<1.40E-05	<6.83E-05	<1.65E-05	<8.08E-05	<6.83E-05	<3.41E-05	<4.00E-05	<2.80E-05
T-309		<9.30E-05	<1.98E-04	<4.68E-05	<4.07E-05	<5.55E-05	<5.52E-05	<1.69E-04	<2.91E-05	<1.77E-04	<3.17E-05	<1.14E-04	<3.62E-05	<1.77E-04	<4.27E-05	<2.09E-04	<1.77E-04	<8.85E-05	<1.04E-04	<7.27E-05
T-310		<4.80E-05	<1.02E-04	<2.41E-05	<2.10E-05	<2.86E-05	<2.85E-05	<8.73E-05	<1.50E-05	<9.13E-05	<1.64E-05	<5.91E-05	<1.87E-05	<9.13E-05	<2.20E-05	<1.08E-04	<9.13E-05	<4.57E-05	<5.35E-05	<3.75E-05
T-311		<6.59E-05	<1.40E-04	<3.31E-05	<2.88E-05	<3.93E-05	<3.91E-05	<1.20E-04	<2.06E-05	<1.25E-04	<2.25E-05	<8.11E-05	<2.56E-05	<1.25E-04	<3.02E-05	<1.48E-04	<1.25E-04	<6.26E-05	<7.34E-05	<5.14E-05
T-312		0.003	0.003	<2.18E-05	<1.89E-05	<2.58E-05	<2.57E-05	<7.87E-05	0.000	0.001	<1.48E-05	<5.33E-05	<1.68E-05	<8.23E-05	<1.98E-05	<9.75E-05	<8.23E-05	<4.12E-05	<4.82E-05	<3.38E-05
T-313		0.002	0.002	<1.86E-05	<1.62E-05	<2.21E-05	<2.19E-05	<6.72E-05	0.000	0.001	<1.26E-05	<4.55E-05	<1.44E-05	0.001	<1.70E-05	<8.33E-05	<7.03E-05	<3.52E-05	<4.12E-05	<2.89E-05
T-314		<3.37E-05	<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05
T-401		<4.14E-05	<8.56E-05	<2.08E-05	<1.81E-05	0.000	<2.46E-05	<7.37E-05	<1.34E-05	<7.66E-05	<1.37E-05	<5.05E-05	<1.56E-05	<7.66E-05	<1.84E-05	<9.07E-05	<7.66E-05	<3.83E-05	<4.61E-05	<3.23E-05
T-402		<5.53E-05	<1.14E-04	<2.78E-05	<2.42E-05	<3.27E-05	<3.28E-05	<9.84E-05	<1.79E-05	<1.02E-04	<1.83E-05	<6.74E-05	<2.09E-05	<1.02E-04	<2.46E-05	<1.21E-04	<1.02E-04	<5.12E-05	<6.16E-05	<4.32E-05
T-403		<1.02E-04	<2.10E-04	<5.12E-05	<4.45E-05	<6.01E-05	<6.04E-05	<1.81E-04	<3.29E-05	<1.88E-04	<3.37E-05	<1.24E-04	<3.85E-05	<1.88E-04	0.002	<2.23E-04	<1.88E-04	<9.42E-05	<1.13E-04	<7.95E-05
T-404		<5.16E-05	<1.09E-04	<2.59E-05	<2.25E-05	<3.07E-05	<3.06E-05	<9.36E-05	<1.71E-05	<9.79E-05	<1.75E-05	<6.34E-05	<2.00E-05	<9.79E-05	<2.35E-05	<1.16E-04	<9.79E-05	<4.89E-05	<5.74E-05	<4.03E-05
T-405		<5.09E-05	<1.08E-04	<2.56E-05	0.000	0.000	<3.02E-05	<9.24E-05	<1.69E-05	<9.66E-05	<1.73E-05	<6.26E-05	<1.97E-05	<9.66E-05	<2.32E-05	<1.14E-04	<9.66E-05	<4.83E-05	<5.67E-05	0.000
T-406		<5.28E-05	<1.10E-04	<2.65E-05	0.000	<3.12E-05	<3.13E-05	<9.48E-05	<1.71E-05	<9.89E-05	<1.75E-05	<6.43E-05	<1.99E-05	<9.89E-05	<2.35E-05	<1.17E-04	<9.89E-05	<4.94E-05	<5.88E-05	<4.12E-05
T-407		<8.35E-05	0.000	<4.20E-05	0.000	0.000	<4.95E-05	<1.50E-04	<2.63E-05	<1.57E-04	<2.83E-05	<1.03E-04	<3.23E-05	<1.57E-04	<3.81E-05	<1.85E-04	<1.57E-04	<7.83E-05	<9.30E-05	<6.52E-05
T-408		<4.13E-05	<8.54E-05	<2.08E-05	0.000	0.000	0.000	<7.36E-05	<1.30E-05	<7.65E-05	<1.33E-05	<5.00E-05	<1.52E-05	<7.65E-05	0.000	<9.06E-05	<7.65E-05	<3.83E-05	<4.61E-05	<3.23E-05
T-409		<4.92E-05	<1.04E-04	<2.48E-05	0.000	0.000	<2.92E-05	<8.93E-05	<1.55E-05	<9.34E-05	<1.67E-05	<6.05E-05	<1.91E-05	<9.34E-05	<2.25E-05	<1.11E-04	<9.34E-05	<4.67E-05	<5.49E-05	<3.85E-05
T-410		<6.13E-05	<1.28E-04	<3.08E-05	0.000	0.000	0.001	<1.10E-04	<1.93E-05	<1.15E-04	<2.08E-05	<7.53E-05	<2.37E-05	<1.15E-04	<2.80E-05	<1.36E-04	<1.15E-04	<5.75E-05	<6.83E-05	<4.79E-05
T-411		<7.83E-05	<1.64E-04	<3.94E-05	<3.42E-05	<4.66E-05	<4.65E-05	<1.41E-04	0.001	<1.47E-04	<2.65E-05	<9.62E-05	<3.03E-05	<1.47E-04	<3.57E-05	<1.74E-04	<1.47E-04	<7.34E-05	<8.72E-05	<6.12E-05
T-412		0.001	0.000	0.002	<1.72E-05	0.000	0.000	<7.01E-05	0.001	<7.29E-05	0.000	0.000	0.000	<7.29E-05	<1.75E-05	<8.63E-05	0.000	<3.64E-05	0.000	<3.08E-05
T-413		0.003	0.001	0.002	<1.89E-05	0.000	0.001	<7.78E-05	0.001	<8.12E-05	0.000	0.001	0.001	0.000	<1.93E-05	0.001	0.001	<4.06E-05	0.000	<3.38E-05
T-414		<3.99E-05	<8.23E-05	<2.00E-05	<1.74E-05	<2.33E-05	<2.36E-05	<7.09E-05	<1.32E-05	<7.37E-05	<1.28E-05	<4.81E-05	<1.47E-05	<7.37E-05	<1.73E-05	<8.73E-05	<7.37E-05	<3.69E-05	<4.44E-05	<3.11E-05
T-501		<2.80E-04	<5.79E-04	<1.41E-04	0.000	<1.66E-04	<1.66E-04	<4.99E-04	<9.06E-05	<5.19E-04	<9.28E-05	<3.42E-04	<1.06E-04	<5.19E-04	<1.25E-04	<6.14E-04	<5.19E-04	<2.59E-04	<3.12E-04	<2.19E-04
T-502		<7.99E-05	<1.69E-04	<4.02E-05	<3.49E-05	<4.76E-05	<4.74E-05	<1.45E-04	0.001	<1.52E-04	<2.71E-05	<9.82E-05	<3.09E-05	<1.52E-04	<3.65E-05	<1.80E-04	<1.52E-04	0.001	<8.90E-05	<6.24E-05
T-503		<1.61E-04	<3.37E-04	<8.10E-05	<7.04E-05	<9.51E-05	<9.55E-05	<2.89E-04	0.000	<3.02E-04	<5.33E-05	<1.96E-04	<6.08E-05	<3.02E-04	<7.17E-05	<3.57E-04	<3.02E-04	<1.51E-04	<1.79E-04	<1.26E-04
T-504		<8.78E-05	<1.81E-04	<4.42E-05	<3.84E-05	<5.14E-05	<5.21E-05	<1.56E-04	<2.77E-05	<1.63E-04	<2.83E-05	<1.06E-04	<3.24E-05	<1.63E-04	<3.81E-05	<1.92E-04	<1.63E-04	<8.13E-05	<9.78E-05	<6.86E-05
T-505		<5.84E-05	<1.24E-04	<2.94E-05	<2.55E-05	<3.48E-05	<3.46E-05	<1.06E-04	<1.84E-05	<1.11E-04	<1.98E-05	<7.17E-05	<2.26E-05	<1.11E-04	<2.66E-05	<1.31E-04	<1.11E-04	<5.54E-05	<6.50E-05	<4.56E-05
T-506		<5.13E-05	<1.07E-04	<2.58E-05	<2.25E-05	<3.03E-05	<3.05E-05	<9.23E-05	<1.66E-05	<9.62E-05	<1.70E-05	<6.26E-05	<1.94E-05	<9.62E-05	<2.29E-05	<1.14E-04	<9.62E-05	<4.81E-05	<5.72E-05	<4.01E-05
T-507		<4.23E-05	0.000	<2.13E-05	<1.85E-05	<2.52E-05	<2.51E-05	<7.60E-05	<1.33E-05	<7.92E-05	<1.43E-05	<5.19E-05	<1.64E-05	<7.92E-05	<1.93E-05	<9.38E-05	<7.92E-05	<3.96E-05	<4.71E-05	<3.30E-05
T-508		0.000	<1.18E-04	<2.85E-05	0.000	0.000	<3.36E-05	<1.02E-04	<1.83E-05	<1.06E-04	<1.87E-05	<6.90E-05	<2.14E-05	<1.06E-04	<2.52E-05	<1.26E-04	<1.06E-04	<5.31E-05	<6.31E-05	<4.42E-05
T-509		<4.56E-05	0.000	<2.29E-05	0.000	<2.71E-05	<2.71E-05	<8.27E-05	<1.44E-05	<8.65E-05	<1.54E-05	<5.60E-05	<1.76E-05	<8.65E-05	<2.08E-05	<1.02E-04	<8.65E-05	<4.32E-05	<5.08E-05	<3.56E-05
T-510		0.000	0.002	<2.39E-05	<2.08E-05	0.000	<2.83E-05	<8.47E-05	0.000	<8.81E-05	<1.54E-05	<5.75E-05	<1.75E-05	<8.81E-05	<2.07E-05	<1.04E-04	<8.81E-05	<4.41E-05	<5.31E-05	<3.72E-05
T-511		<4.28E-05	<9.07E-05	<2.15E-05	<1.87E-05	<2.57E-05	<2.54E-05	<7.77E-05	<1.45E-05	<8.12E-05	<1.42E-05	<5.30E-05	<1.62E-05	<8.12E-05	<1.91E-05	<9.61E-05	<8.12E-05	<4.06E-05	<4.77E-05	<3.34E-05
T-512		<1.29E-04	0.001	<6.51E-05	<5.66E-05	<7.58E-05	<7.68E-05	<2.30E-04	<4.08E-05	<2.40E-04	<4.18E-05	<1.56E-04	<4.77E-05	<2.40E-04	<5.62E-05	<2.84E-04	<2.40E-04	<1.20E-04	<1.44E-04	<1.01E-04
T-513		<1.16E-04	0.001	<5.85E-05	<5.09E-05	0.000	<6.91E-05	<2.09E-04	<3.86E-05	<2.18E-04	<3.95E-05	<1.43E-04	<4.51E-05	<2.18E-04	<5.31E-05	<2.58E-04	<2.18E-04	<1.09E-04	<1.30E-04	<9.09E-05
T-514		<4.09E-05	<8.66E-05	<2.05E-05	<1.79E-05	<2.45E-05	<2.42E-05	<7.42E-05	<1.32E-05	<7.75E-05	<1.35E-05	<5.06E-05	<1.54E-05	<7.75E-05	<1.82E-05	<9.18E-05	<7.75E-05	<3.88E-05	<4.55E-05	<3.19E-05

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

ID de la Muestra:	Compuesto	Propano	Propeno	Etano	n-Butano	Acetileno	n-Pentano	Eteno	1,2,4-Trimetilbenceno	t-2-Buteno	Metilciclohexano	i-Pentano	2,2,4-Trimetilpentano	n-propilbenceno	Tolueno	Etilbenceno	3-Etiltolueno	4-Etiltolueno	n-Octano
	CAS	74-98-6	115-07-1	74-84-0	106-97-8	74-86-2	109-66-0	74-85-1	95-63-6	624-64-6	108-87-2	78-78-4	540-84-1	103-65-1	108-88-3	100-41-4	620-14-4	622-96-8	111-65-9
	MW	44.1	42.1	30.1	58.1	26	72.1	28.1	120.2	56.1	98.2	72.2	114.2	120.2	92.1	106.2	120.2	120.2	114.2
T-101		<6.46E-05	0.0003	0.0002	<6.39E-05	0.0001	<6.34E-05	<6.18E-05	0.0001	<6.17E-05	<6.17E-05	<6.35E-05	<6.28E-05	0.0003	<5.79E-05	<5.84E-05	<5.87E-05	<5.87E-05	<6.28E-05
T-102		<4.85E-05	0.0003	0.0001	<4.79E-05	0.0001	<4.76E-05	<4.64E-05	<4.41E-05	<4.63E-05	<4.63E-05	<4.77E-05	<4.71E-05	0.0003	<4.34E-05	<4.38E-05	<4.41E-05	<4.41E-05	<4.71E-05
T-103		<1.31E-04	0.0003	<1.34E-04	<1.29E-04	<1.15E-04	<1.28E-04	<1.25E-04	<1.19E-04	0.0011	<1.25E-04	<1.28E-04	<1.27E-04	<1.19E-04	<1.17E-04	<1.18E-04	<1.19E-04	0.0012	<1.27E-04
T-104		0.0016	<1.34E-04	<1.44E-04	<1.39E-04	<1.24E-04	<1.38E-04	<1.34E-04	<1.28E-04	<1.34E-04	<1.34E-04	<1.38E-04	<1.37E-04	<1.28E-04	<1.26E-04	<1.27E-04	<1.28E-04	<1.28E-04	<1.37E-04
T-105		<4.40E-05	0.0003	0.0001	<4.35E-05	0.0001	<4.32E-05	<4.21E-05	<4.00E-05	0.0001	<4.20E-05	<4.32E-05	<4.27E-05	<4.00E-05	<3.94E-05	<3.97E-05	<4.00E-05	<4.00E-05	<4.27E-05
T-106		<5.18E-05	0.0002	0.0002	<5.12E-05	<4.58E-05	<5.08E-05	<4.95E-05	<4.71E-05	0.0001	<4.94E-05	<5.09E-05	<5.03E-05	<4.71E-05	<4.64E-05	<4.68E-05	<4.71E-05	<4.71E-05	<5.03E-05
T-107		<1.21E-04	<1.16E-04	<1.24E-04	<1.20E-04	<1.07E-04	<1.19E-04	<1.16E-04	<1.10E-04	<1.16E-04	<1.16E-04	<1.19E-04	<1.18E-04	<1.10E-04	<1.08E-04	<1.09E-04	<1.10E-04	<1.10E-04	<1.18E-04
T-108		0.0004	<1.88E-04	0.0008	<1.94E-04	<1.74E-04	<1.93E-04	<1.88E-04	<1.79E-04	<1.88E-04	<1.88E-04	<1.93E-04	<1.91E-04	<1.79E-04	<1.76E-04	<1.78E-04	<1.79E-04	<1.79E-04	<1.91E-04
T-109		0.0002	<4.83E-05	0.0003	<5.00E-05	0.0001	<4.96E-05	<4.83E-05	<4.59E-05	<4.82E-05	<4.83E-05	0.0007	<4.91E-05	<4.59E-05	<4.53E-05	<4.57E-05	<4.59E-05	<4.59E-05	<4.91E-05
T-110		0.0004	0.0029	0.0002	0.0001	0.0002	<4.31E-05	<4.20E-05	<3.99E-05	<4.19E-05	<4.19E-05	<4.32E-05	0.0002	<3.99E-05	<3.93E-05	<3.97E-05	<3.99E-05	<3.99E-05	<4.27E-05
T-111		<1.94E-04	0.0016	0.0020	0.0006	0.0003	<1.90E-04	<1.85E-04	<1.76E-04	0.0005	<1.85E-04	<1.90E-04	0.0005	<1.76E-04	<1.73E-04	<1.75E-04	<1.76E-04	<1.76E-04	<1.88E-04
T-112		0.0117	0.0102	0.0091	0.0004	0.0021	0.0015	<9.98E-05	0.0023	0.0114	0.0036	0.0029	0.0152	0.0021	0.0011	0.0008	<9.48E-05	0.0016	<1.01E-04
T-113		<9.39E-05	0.0089	0.0093	<9.27E-05	0.0007	0.0012	<8.97E-05	0.0010	0.0094	0.0029	0.0023	0.0122	0.0014	0.0008	0.0005	<8.53E-05	0.0009	<9.11E-05
T-114		0.0004	0.0036	0.0003	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05	<4.25E-05	<4.25E-05	<4.55E-05
T-201		<7.08E-05	0.0004	0.0002	<6.99E-05	<6.26E-05	<6.94E-05	<6.77E-05	<6.43E-05	0.0002	<6.75E-05	<6.95E-05	0.0002	<6.43E-05	<6.34E-05	<6.39E-05	<6.43E-05	<6.43E-05	<6.87E-05
T-202		<8.96E-05	0.0023	0.0002	<8.86E-05	0.0002	<8.79E-05	<8.57E-05	<8.14E-05	<8.55E-05	<8.55E-05	<8.81E-05	<8.71E-05	<8.14E-05	<8.02E-05	<8.10E-05	<8.14E-05	<8.14E-05	<8.71E-05
T-203		0.0002	0.0002	0.0001	<5.54E-05	<4.96E-05	0.0001	<5.36E-05	<5.10E-05	<5.35E-05	<5.35E-05	<5.51E-05	<5.45E-05	<5.10E-05	<5.02E-05	<5.07E-05	<5.10E-05	<5.10E-05	<5.45E-05
T-204		0.0002	0.0002	<7.09E-05	0.0004	<6.13E-05	<6.80E-05	<6.62E-05	<6.30E-05	<6.61E-05	<6.61E-05	<6.81E-05	0.0002	0.0089	0.0002	<6.26E-05	<6.30E-05	0.0003	<6.73E-05
T-205		0.0004	0.0029	0.0001	<4.39E-05	0.0001	0.0001	<4.24E-05	<4.03E-05	<4.24E-05	<4.24E-05	<4.36E-05	<4.31E-05	<4.03E-05	<3.97E-05	<4.01E-05	<4.03E-05	<4.03E-05	<4.31E-05
T-206		0.0003	0.0031	0.0001	<4.39E-05	0.0002	<4.36E-05	<4.24E-05	0.0001	<4.24E-05	<4.24E-05	<4.36E-05	<4.31E-05	0.0001	<3.97E-05	<4.01E-05	<4.03E-05	0.0001	<4.31E-05
T-207		<4.42E-05	<4.22E-05	0.0001	<4.37E-05	<3.91E-05	<4.34E-05	<4.23E-05	<4.02E-05	<4.22E-05	<4.22E-05	<4.35E-05	<4.30E-05	<4.02E-05	<3.96E-05	<4.00E-05	<4.02E-05	<4.02E-05	<4.30E-05
T-208		0.0001	<4.23E-05	0.0001	<4.38E-05	<3.92E-05	<4.35E-05	<4.24E-05	<4.03E-05	<4.23E-05	<4.23E-05	<4.35E-05	<4.30E-05	<4.03E-05	<3.97E-05	<4.00E-05	<4.03E-05	<4.03E-05	<4.30E-05
T-209		0.0003	0.0004	0.0002	0.0001	<4.31E-05	0.0002	<4.66E-05	<4.43E-05	<4.65E-05	<4.65E-05	0.0003	<4.73E-05	<4.43E-05	<4.36E-05	<4.40E-05	<4.43E-05	<4.43E-05	<4.73E-05
T-210		0.0030	0.0031	0.0002	0.0023	0.0004	0.0005	<4.24E-05	<4.03E-05	<4.24E-05	0.0005	0.0013	0.0003	0.0006	0.0001	0.0002	0.0004	<4.03E-05	0.0002
T-211		<4.42E-05	0.0005	0.0002	0.0008	0.0001	0.0002	<4.22E-05	<4.01E-05	0.0001	0.0002	0.0004	<4.29E-05	0.0001	<3.95E-05	<3.99E-05	0.0001	<4.01E-05	<4.29E-05
T-212		<7.91E-05	0.0075	0.0018	0.0040	0.0022	0.0031	<7.56E-05	0.0056	0.0002	0.0015	0.0043	0.0008	0.0163	0.0068	0.0018	0.0004	0.0128	0.0032
T-213		<6.80E-05	0.0070	0.0017	0.0036	0.0022	0.0021	<6.50E-05	<6.18E-05	<6.49E-05	0.0003	0.0037	<6.60E-05	<6.18E-05	<6.09E-05	<6.14E-05	<6.18E-05	<6.18E-05	<6.60E-05
T-214		0.0003	0.0030	0.0003	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05	<4.25E-05	<4.25E-05	<4.55E-05
T-301		0.0004	<5.07E-05	0.0001	<5.24E-05	<4.69E-05	<5.20E-05	<5.07E-05	<4.82E-05	<5.06E-05	<5.06E-05	0.0001	<5.15E-05	<4.82E-05	<4.75E-05	<4.79E-05	<4.82E-05	<4.82E-05	<5.15E-05
T-302		0.0010	0.0025	0.0006	0.0002	0.0002	0.0004	<8.48E-05	<8.06E-05	0.0002	<8.47E-05	0.0006	<8.62E-05	<8.06E-05	<7.94E-05	<8.01E-05	<8.06E-05	<8.06E-05	<8.62E-05
T-303		0.0007	0.0005	0.0004	0.0003	0.0003	0.0003	<5.27E-05	<5.01E-05	<5.26E-05	<5.26E-05	0.0005	<5.36E-05	<5.01E-05	0.0001	<4.98E-05	<5.01E-05	0.0002	<5.36E-05
T-304		0.0033	0.0023	0.0005	0.0026	0.0012	0.0028	<4.44E-05	<4.22E-05	0.0001	0.0003	0.0084	0.0003	<4.22E-05	0.0011	0.0007	<4.22E-05	0.0006	<4.51E-05
T-305		0.0008	0.0035	0.0002	<4.58E-05	0.0002	<4.55E-05	<4.43E-05	<4.21E-05	<4.43E-05	<4.43E-05	<4.56E-05	<4.51E-05	<4.21E-05	<4.15E-05	<4.19E-05	<4.21E-05	<4.21E-05	<4.51E-05
T-306		0.0005	0.0030	0.0002	0.0001	0.0002	<4.54E-05	<4.43E-05	<4.21E-05	0.0009	<4.42E-05	<4.55E-05	0.0002	<4.21E-05	<4.14E-05	<4.18E-05	<4.21E-05	<4.21E-05	<4.50E-05
T-307		0.0029	0.0003	0.0019	0.0015	0.0001	0.0002	0.0005	0.0004	<4.40E-05	0.0004	0.0004	0.0002	0.0004	0.0001	0.0004	0.0004	0.0001	0.0002
T-308		0.0176	0.0050	0.0041	0.0043	0.0004	0.0006	0.0002	0.0022	0.0020	0.0014	0.0008	0.0017	<4.53E-05	0.0003	0.0011	0.0049	0.0005	0.0010
T-309		<1.29E-04	0.0007	<1.32E-04	<1.28E-04	<1.14E-04	<1.27E-04	<1.23E-04	<1.17E-04	<1.23E-04	<1.23E-04	<1.27E-04	<1.25E-04	<1.17E-04	<1.16E-04	<1.17E-04	<1.17E-04	<1.17E-04	<1.25E-04
T-310		0.0002	<6.37E-05	0.0002	0.0002	<5.90E-05	<6.54E-05	<6.37E-05	<6.06E-05	<6.36E-05	<6.37E-05	<6.55E-05	<6.48E-05	<6.06E-05	<5.97E-05	<6.02E-05	<6.06E-05	<6.06E-05	<6.48E-05
T-311		0.0027	0.0036	0.0005	<9.04E-05	<8.09E-05	<8.97E-05	<8.74E-05	<8.31E-05	0.0003	<8.73E-05	<8.99E-05	<8.88E-05	<8.31E-05	<8.19E-05	<8.26E-05	<8.31E-05	<8.31E-05	<8.88E-05
T-312		<6.01E-05	<5.74E-05	0.0052	0.0016	0.0032	0.0010	0.0037	0.0099	<5.73E-05	<5.74E-05	0.0014	0.0002	0.0023	0.0007	0.0106	0.0050	0.0060	0.0008
T-313		<5.14E-05	<4.90E-05	0.0038	0.0003	0.0070	0.0006	0.0082	<4.67E-05	<4.90E-05	<4.90E-05	<5.04E-05	<4.99E-05	<4.67E-05	<4.60E-05	0.0005	0.0008	<4.67E-05	0.0006
T-314		0.0002	0.0012	0.0002	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05	<4.25E-05	<4.25E-05	<4.55E-05
T-401		0.0002	<5.38E-05	0.0001	<5.57E-05	<4.98E-05	<5.53E-05	<5.39E-05	<5.12E-05	<5.38E-05	<5.38E-05	<5.54E-05	<5.47E-05	<5.12E-05	<5.04E-05	<5.09E-05	<5.12E-05	<5.12E-05	<5.47E-05
T-402		0.0002	<7.22E-05	0.0002	<7.47E-05	<6.69E-05	<7.42E-05	<7.23E-05	<6.87E-05	<7.21E-05	<7.22E-05	<7.43E-05	<7.34E-05	<6.87E-05	<6.77E-05	<6.83E-05	<6.87E-05	<6.87E-05	<7.34E-05
T-403		0.0007	0.0017	0.0008	<1.37E-04	<1.23E-04	<1.36E-04	<1.33E-04	<1.26E-04	<1.32E-04	<1.32E-04	<1.36E-04	<1.35E-04	<1.26E-04	<1.24E-04	<1.25E-04	<1.26E-04	<1.26E-04	<1.35E-04
T-404		0.0002	0.0007	0.0006	<7.06E-05	<6.32E-05	<7.01E-05	0.0002	<6.50E-05	<6.82E-05	<6.82E-05	<7.02E-05	<6.94E-05	<6.50E-05	<6.40E-05	<6.46E-05	<6.50E-05	<6.50E-05	<6.94E-05
T-405		0.0006	0.0023	0.0006	<7.36E-05	<6.59E-05	<7.31E-05	0.0002	<6.77E-05	<7.11E-05	<7.11E-05	<7.32E-05	<7.23E-05	<6.77E-05	<6.67E-05	<6.73E-05	<6.77E-05	<6.77E-05	<7.23E-05
T-406		0.0002	<6.96E-05	0.0002	<7.20E-05	<6.44E-05	<7.15E-05	<6.96E-05	<6.62E-05	<6.95E-05	<6.95E-05	<7.16E-05	<7.08E-05	<6.62E-05	<6.52E-05	<6.58E-05	<6.62E-05	<6.62E-05	<7.08E-05
T-407		0.0010	0.0003	0.0003	0.0003	<6.63E-05	<1.10E-04	<1.08E-04	<1.02E-04	<8.59E-05	<1.07E-04	<1.11E-04	<1.25E-04	<1.02E-04	<8.81E-05	<1.02E-04	<1.02E-04	<1.02E-04	<1.09E-04
T-408		0.0076	0.0034	0.0010	0.0032	<4.99E-05	0.0002	0.0004	<5.12E-05	0.0002	<5.38E-05	0.0015	0.0003	<5.12E-05	0.0001	<5.09E-05	<5.12E-05	<5.12E-05	<5.47E-05
T-409		0.0002	0.0002	0.0002	<6.75E-05	<4.03E-05	0.0002	<6.53E-05	0.0002	0.0002	<6.52E-05	<6.71E-05	0.0010	0.0002	<5.35E-05	<6.17E-05	<6.20E-05	<6.20E-05	<6.63E-05
T-410		0.0018	0.0003	0.0002	0.0004	<7.47E-05	0.0002	0.0002	0.0002	0.0003	<8.07E-05	<8.30E-05	0.0012	<7.68E-05	<7.56E-05	<7.63E-05	<7.68E-05	<7.68E-05	<8.21E-05
T-411		0.0181	0.0008	<1.11E-04	<1.07E-04	<9.55E-05	<1.06E-04	<1.03E-04	<9.81E-05	<1.03E-04	<1.03E-04	<1.06E-04	<1.05E-04	<9.81E-05	<9.66E-05	<9.75E-05	<9.81E-05	<9.81E-05	0.0059
T-412		<5.35E-05	0.0026	0.0002	0.0199	<4.73E-05	0.0129	<5.12E-05	0.0003	<5.11E-05	0.0003	<5.26E-05	0.0008	<4.86E-05	0.0014	0.0025	0.0020	0.0003	0.0001
T-413		0.0299	0.0030	<6.08E-05	0.0029	<5.25E-05	0.0115	<5.68E-05	0.0300	0.0029	0.0272	<5.84E-05	0.0009	<5.40E-05	0.0084	0.0020	0.0062	0.0010	0.0028
T-414		0.0004	0.0032	0.0009	<5.37E-05	<4.81E-05	<5.33E-05	0.0002	<4.94E-05	<5.19E-05	<5.19E-05	<5.34E-05	<5.28E-05	<4.94E-05	<4.87E-05	<4.91E-05	<4.94E-05	<4.94E-05	<5.28E-05
T-501		<3.82E-04	<3.64E-04	<3.91E-04	<3.77E-04	<3.38E-04	<3.74E-04	<3.65E-04	<3.47E-04	<3.64E-04	<3.64E-04	<3.75E-04	<3.71E-04	<3.47E-04	<3.42E-04	<3.45E-04	<3.47E-04	<3.47E-04	<3.71E-04
T-502		0.0123	0.0008	<1.13E-04	<1.09E-04	<9.76E-05	<1.08E-04	<1.05E-04	<1.00E-04	<1.05E-04	0.0002	<1.08E-04	<1.07E-04	<1.00E-04	<9.88E-05	<9.97E-05	<1.00E-04	<1.00E-04	0.0116
T-503		0.0086	<2.11E-04	0.0007	0.0065	<1.95E-04	0.0007	<2.11E-04	0.0007	<2.11E-04	<2.11E-04	0.0029	<2.15E-04	<2.01E-04	<1.98E-04	<1.99E-04	<2.01E-04	<2.01E-04	<2.15E-04
T-504		0.0007	<1.14E-04	0.0003	<1.18E-04	<1.05E-04	<1.17E-04	<1.14E-04	0.0008	<1.14E-04	<1.14E-04	<1.17E-04	0.0015	<1.08E-04	<1.07E-04	<1.08E-04	<1.08E-04	<1.08E-04	<1.16E-04
T-505		0.0005	0.0035	0.0010	<7.99E-05	<7.15E-05	<7.93E-05	0.0002	<7.35E-05	<7.72E-05	<7.72E-05	<7.94E-05	<7.85E-05	<7.35E-05	<7.24E-05	<7.30E-05	<7.35E-05	<7.35E-05	<7.85E-05
T-506		0.0005	0.0024	0.0009	<6.99E-05	<6.26E-05	<6.94E-05	0.0002	<6.43E-05	<6.75E-05	<6.75E-05	<6.95E-05	<6.87E-05	<6.43E-05	<6.34E-05	<6.39E-05	<6.43E-05	<6.43E-05	<6.87E-05
T-507		0.0001	0.0002	0.0001	<5.75E-05	<5.15E-05	<5.71E-05	<5.56E-05	<5.29E-05	<5.55E-05	<5.56E-05	<5.72E-05	0.0014	<5.29E-05	<5.21E-05	<5.26E-05	<5.29E-05	<5.29E-05	<5.65E-05
T-508		0.0003	0.0002	0.0003	<7.69E-05	<6.88E-05	<7.63E-05	<7.44E-05	<7.07E-05	<7.42E-05	<7.43E-05	<7.64E-05	<7.56E-05	<7.07E-05	<6.96E-05	<7.03E-05	<7.07E-05	<7.07E-05	<7.56E-05
T-509		0.0005	0.0031	0.0009	<5.78E-05	<5.17E-05	<5.74E-05	0.0002	<5.32E-05	<5.58E-05	<5.58E-05	<5.75E-05	<5.68E-05	<5.32E-05	<5.24E-05	<5.28E-05	<5.32E-05	<5.32E-05	0.0002
T-510		0.0026	0.0019	0.0015	0.0018	<5.76E-05	0.0005	0.0004	0.0043	0.0037	0.0007	0.0006	0.0036	0.0060	0.0001	0.0011	0.0003	0.0024	0.0014
T-511		<5.92E-05	<5.65E-05	0.0001	<5.85E-05	<5.24E-05	<5.81E-05	<5.66E-05	<5.38E-05	<5.65E-05	<5.65E-05	<5.82E-05	0.0015	<5.38E-05	<5.30E-05	<5.35E-05	<5.38E-05	<5.38E-05	<5.75E-05
T-512		0.0006	0.0024	0.0010	<1.74E-04	<1.56E-04	<1.73E-04	<1.69E-04	0.0015	<1.68E-04	<1.69E-04	<1.73E-04	<1.71E-04	<1.60E-04	<1.58E-04	<1.59E-04	<1.60E-04	<1.60E-04	<1.71E-04
T-513		<1.60E-04	0.0004	0.0009	<1.58E-04	<1.42E-04	<1.57E-04	<1.53E-04	<1.45E-04	<1.53E-04	<1.53E-04	<1.57E-04	<1.56E-04	<1.45E-04	<1.43E-04	<1.45E-04	<1.45E-04	<1.45E-04	<1.56E-04
T-514		<5.67E-05	<5.41E-05	0.0001	<5.60E-05	<5.02E-05	<5.56E-05	<5.42E-05	<5.15E-05	<5.41E-05	<5.41E-05	<5.57E-05	<5.51E-05	<5.15E-05	<5.08E-05	<5.12E-05	<5.15E-05	<5.15E-05	<5.51E-05

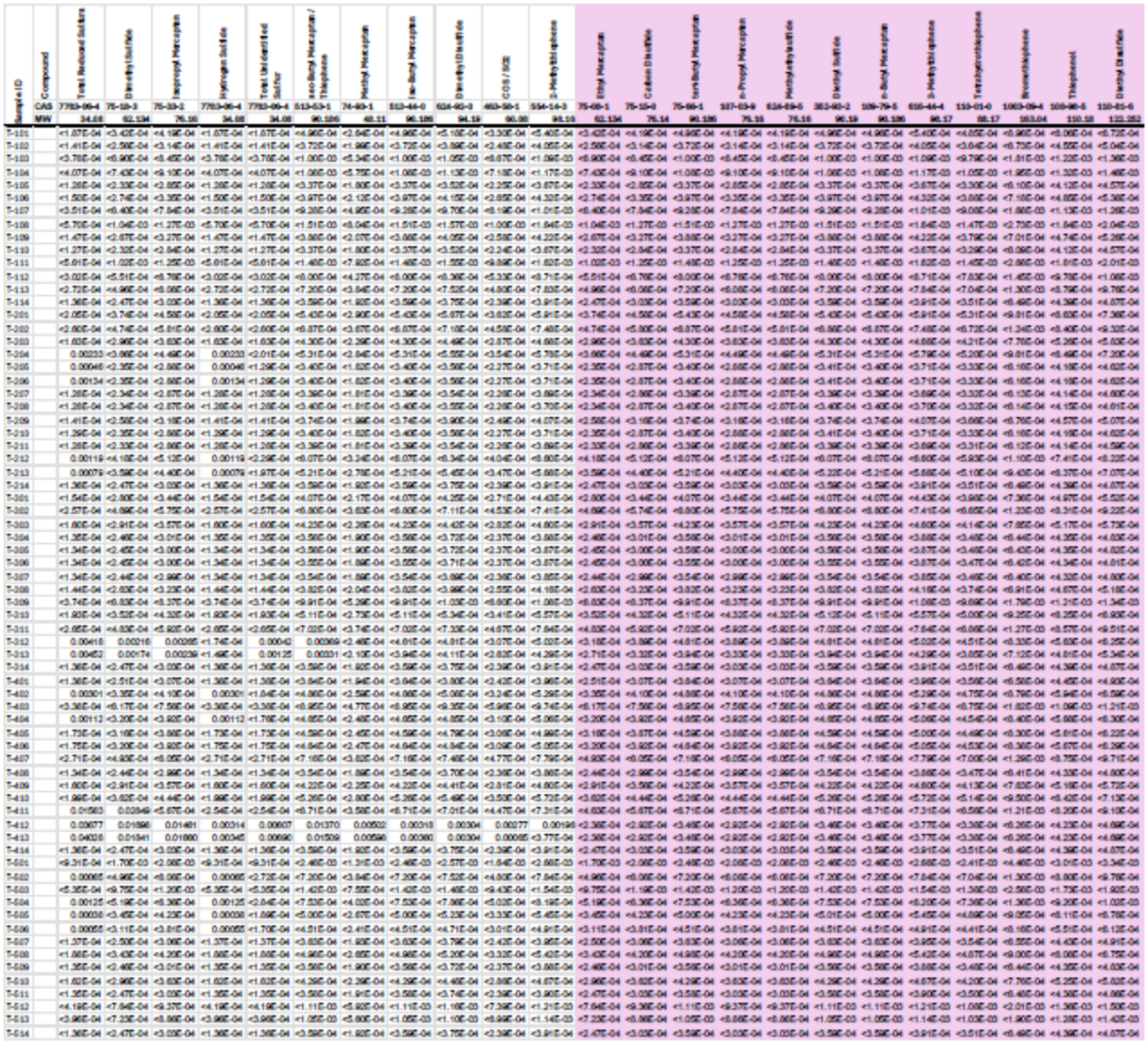
Tabla 4.3b Compuestos TO-14 (Flujo en mg/m2-min solo para compuestos que tuvieron por lo menos una detección).

ID de la Muestra:	Compuesto	3-Metilhexano	2,3,4-Trimetilpentano	Estireno	1,3-Dietilbenceno	m,p-xyleno	n-Heptano	2-Metilhexano	1,2,3-Trimetilbenceno	o-xileno	n-Decano	1-Penteno	Benceno	c-2-Buteno	2-Etiltolueno	Ciclohexano	3-Metilpentano	i-Propilbenceno	i-Butano
	CAS	589-34-4	565-75-3	100-42-5	141-93-5	108-38-3	142-82-5	591-76-4	526-73-8	95-47-6	124-18-5	109-67-1	71-43-2	590-18-1	611-14-3	110-82-7	96-14-0	98-82-8	75-28-5
	MW	100.2	114.2	104.2	134.2	106.2	100.2	100.2	120.2	106.2	142.3	70.1	78.1	56.1	120.2	84.2	86.2	120.2	58.1
T-101		<6.29E-05	<6.28E-05	<5.73E-05	<5.90E-05	<5.84E-05	<6.29E-05	<6.29E-05	<5.87E-05	<5.84E-05	<6.26E-05	<6.16E-05	<5.72E-05	<6.17E-05	<5.87E-05	<6.17E-05	<6.32E-05	<5.87E-05	<6.39E-05
T-102		<4.72E-05	<4.71E-05	<4.30E-05	0.0001	<4.38E-05	<4.72E-05	<4.72E-05	<4.41E-05	<4.38E-05	<4.70E-05	<4.63E-05	0.0001	<4.63E-05	<4.41E-05	<4.63E-05	<4.74E-05	<4.41E-05	<4.79E-05
T-103		<1.27E-04	<1.27E-04	<1.16E-04	<1.19E-04	<1.18E-04	<1.27E-04	<1.27E-04	<1.19E-04	<1.18E-04	<1.26E-04	<1.25E-04	<1.16E-04	<1.25E-04	<1.19E-04	<1.25E-04	<1.28E-04	<1.19E-04	<1.29E-04
T-104		<1.37E-04	<1.37E-04	<1.25E-04	<1.28E-04	<1.27E-04	<1.37E-04	<1.37E-04	<1.28E-04	<1.27E-04	<1.36E-04	<1.34E-04	<1.24E-04	<1.34E-04	<1.28E-04	<1.34E-04	<1.37E-04	<1.28E-04	0.0017
T-105		<4.29E-05	<4.27E-05	<3.90E-05	0.0007	<3.97E-05	<4.29E-05	<4.29E-05	<4.00E-05	<3.97E-05	<4.26E-05	<4.20E-05	<3.90E-05	<4.20E-05	<4.00E-05	<4.20E-05	<4.30E-05	<4.00E-05	<4.35E-05
T-106		<5.04E-05	<5.03E-05	<4.59E-05	0.0007	<4.68E-05	<5.04E-05	<5.04E-05	<4.71E-05	<4.68E-05	<5.01E-05	0.0001	<4.59E-05	<4.94E-05	<4.71E-05	<4.94E-05	<5.06E-05	<4.71E-05	<5.12E-05
T-107		<1.18E-04	<1.18E-04	<1.07E-04	<1.11E-04	<1.09E-04	<1.18E-04	<1.18E-04	<1.10E-04	<1.09E-04	<1.17E-04	0.0004	<1.07E-04	<1.16E-04	<1.10E-04	<1.16E-04	<1.18E-04	<1.10E-04	<1.20E-04
T-108		<1.91E-04	<1.91E-04	<1.74E-04	<1.79E-04	<1.78E-04	<1.91E-04	<1.91E-04	<1.79E-04	<1.78E-04	<1.90E-04	<1.88E-04	<1.74E-04	<1.88E-04	<1.79E-04	<1.88E-04	<1.92E-04	<1.79E-04	<1.94E-04
T-109		<4.92E-05	<4.91E-05	<4.48E-05	0.0002	<4.57E-05	<4.92E-05	<4.92E-05	<4.59E-05	<4.57E-05	<4.89E-05	<4.82E-05	0.0001	<4.82E-05	<4.59E-05	<4.83E-05	0.0002	<4.59E-05	<5.00E-05
T-110		<4.28E-05	<4.27E-05	<3.89E-05	<4.01E-05	<3.97E-05	<4.28E-05	<4.28E-05	<3.99E-05	<3.97E-05	<4.25E-05	0.0001	<3.89E-05	<4.19E-05	<3.99E-05	<4.19E-05	<4.29E-05	<3.99E-05	<4.34E-05
T-111		<1.88E-04	<1.88E-04	<1.71E-04	<1.77E-04	<1.75E-04	<1.88E-04	<1.88E-04	<1.76E-04	<1.75E-04	<1.87E-04	<1.85E-04	<1.71E-04	<1.85E-04	<1.76E-04	<1.85E-04	<1.89E-04	<1.76E-04	<1.91E-04
T-112		0.0006	0.0002	0.0005	0.0003	0.0004	0.0003	<1.02E-04	<9.48E-05	<9.43E-05	0.0006	0.0012	0.0004	<9.96E-05	0.0008	0.0020	0.0010	<9.48E-05	<1.03E-04
T-113		0.0004	<9.11E-05	0.0004	<8.57E-05	<8.48E-05	<9.14E-05	<9.14E-05	<8.53E-05	<8.48E-05	<9.09E-05	0.0008	0.0002	<8.96E-05	0.0004	0.0016	0.0007	<8.53E-05	<9.27E-05
T-114		<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05	<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05
T-201		<6.89E-05	<6.87E-05	<6.27E-05	<6.46E-05	<6.39E-05	<6.89E-05	<6.89E-05	<6.43E-05	<6.39E-05	<6.85E-05	<6.75E-05	<6.27E-05	<6.75E-05	<6.43E-05	<6.76E-05	0.0003	<6.43E-05	<6.99E-05
T-202		<8.73E-05	<8.71E-05	<7.94E-05	<8.18E-05	<8.10E-05	<8.73E-05	<8.73E-05	<8.14E-05	<8.10E-05	<8.68E-05	<8.55E-05	<7.94E-05	<8.55E-05	<8.14E-05	<8.56E-05	<8.76E-05	<8.14E-05	<8.86E-05
T-203		<5.46E-05	<5.45E-05	<4.97E-05	<5.12E-05	<5.07E-05	<5.46E-05	<5.46E-05	<5.10E-05	<5.07E-05	<5.43E-05	<5.35E-05	<4.97E-05	<5.35E-05	<5.10E-05	<5.36E-05	<5.48E-05	<5.10E-05	<5.54E-05
T-204		<6.75E-05	<6.73E-05	<6.14E-05	<6.33E-05	<6.26E-05	<6.75E-05	<6.75E-05	<6.30E-05	<6.26E-05	<6.71E-05	<6.61E-05	<6.14E-05	<6.61E-05	<6.30E-05	<6.62E-05	<6.77E-05	<6.30E-05	<6.85E-05
T-205		<4.32E-05	<4.31E-05	<3.93E-05	<4.05E-05	<4.01E-05	<4.32E-05	<4.32E-05	<4.03E-05	<4.01E-05	<4.30E-05	0.0002	<3.93E-05	<4.24E-05	<4.03E-05	<4.24E-05	<4.34E-05	<4.03E-05	<4.39E-05
T-206		<4.32E-05	<4.31E-05	<3.93E-05	0.0001	0.0002	<4.32E-05	<4.32E-05	<4.03E-05	0.0001	0.0002	<4.23E-05	<3.93E-05	<4.24E-05	<4.03E-05	<4.24E-05	<4.34E-05	<4.03E-05	<4.39E-05
T-207		<4.31E-05	<4.30E-05	<3.92E-05	<4.04E-05	<4.00E-05	<4.31E-05	<4.31E-05	<4.02E-05	<4.00E-05	<4.28E-05	<4.22E-05	<3.92E-05	<4.22E-05	<4.02E-05	<4.22E-05	<4.32E-05	<4.02E-05	<4.37E-05
T-208		<4.32E-05	<4.30E-05	<3.93E-05	<4.05E-05	<4.00E-05	<4.32E-05	<4.32E-05	<4.03E-05	<4.00E-05	<4.29E-05	<4.23E-05	<3.92E-05	<4.23E-05	<4.03E-05	<4.23E-05	<4.33E-05	<4.03E-05	<4.38E-05
T-209		<4.75E-05	<4.73E-05	<4.32E-05	<4.45E-05	<4.40E-05	<4.75E-05	<4.75E-05	<4.43E-05	<4.40E-05	<4.72E-05	<4.65E-05	<4.32E-05	<4.65E-05	<4.43E-05	<4.65E-05	<4.76E-05	<4.43E-05	<4.82E-05
T-210		0.0004	0.0003	0.0002	<4.05E-05	<4.01E-05	0.0003	0.0002	<4.03E-05	0.0001	0.0001	0.0002	<3.93E-05	<4.24E-05	<4.03E-05	0.0004	0.0002	<4.03E-05	<4.39E-05
T-211		<4.30E-05	0.0001	<3.91E-05	<4.03E-05	<3.99E-05	<4.30E-05	<4.30E-05	<4.01E-05	<3.99E-05	<4.27E-05	0.0002	<3.91E-05	<4.21E-05	<4.01E-05	0.0003	<4.32E-05	<4.01E-05	<4.36E-05
T-212		0.0015	0.0008	0.0002	0.0020	0.0057	0.0028	0.0009	<7.19E-05	0.0028	0.0018	0.0012	0.0004	<7.55E-05	0.0015	0.0015	0.0004	0.0006	<7.82E-05
T-213		0.0002	<6.60E-05	<6.03E-05	<6.21E-05	<6.14E-05	<6.62E-05	<6.62E-05	<6.18E-05	<6.14E-05	<6.58E-05	<6.49E-05	<6.02E-05	<6.49E-05	<6.18E-05	0.0008	0.0001	<6.18E-05	<6.72E-05
T-214		<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05	<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05
T-301		<5.17E-05	<5.15E-05	<4.70E-05	<4.84E-05	<4.79E-05	<5.17E-05	<5.17E-05	<4.82E-05	<4.79E-05	<5.14E-05	<5.06E-05	<4.70E-05	<5.06E-05	<4.82E-05	<5.07E-05	0.0003	<4.82E-05	<5.24E-05
T-302		<8.64E-05	<8.62E-05	<7.86E-05	<8.10E-05	<8.01E-05	<8.64E-05	<8.64E-05	<8.06E-05	<8.01E-05	<8.59E-05	0.0003	<7.86E-05	<8.46E-05	<8.06E-05	<8.47E-05	<8.67E-05	<8.06E-05	<8.77E-05
T-303		<5.37E-05	<5.36E-05	<4.89E-05	<5.04E-05	<4.98E-05	<5.37E-05	<5.37E-05	<5.01E-05	<4.98E-05	<5.34E-05	<5.26E-05	<4.88E-05	<5.26E-05	<5.01E-05	<5.27E-05	<5.39E-05	<5.01E-05	<5.45E-05
T-304		0.0007	0.0002	<4.12E-05	0.0001	0.0010	<4.53E-05	0.0004	<4.22E-05	<4.20E-05	0.0004	0.0003	0.0002	<4.43E-05	0.0001	0.0007	0.0006	0.0001	<4.59E-05
T-305		<4.52E-05	<4.51E-05	<4.11E-05	<4.24E-05	<4.19E-05	<4.52E-05	<4.52E-05	<4.21E-05	<4.19E-05	<4.49E-05	<4.42E-05	<4.11E-05	<4.43E-05	<4.21E-05	<4.43E-05	<4.53E-05	<4.21E-05	<4.58E-05
T-306		<4.51E-05	<4.50E-05	<4.10E-05	<4.23E-05	<4.18E-05	<4.51E-05	<4.51E-05	<4.21E-05	<4.18E-05	<4.48E-05	<4.42E-05	0.0001	<4.42E-05	<4.21E-05	<4.42E-05	<4.53E-05	<4.21E-05	<4.58E-05
T-307		0.0001	<4.48E-05	0.0003	0.0002	<4.17E-05	<4.49E-05	<4.49E-05	0.0001	0.0005	0.0009	0.0001	<4.09E-05	<4.40E-05	<4.19E-05	0.0001	0.0001	<4.19E-05	<4.56E-05
T-308		0.0006	0.0002	0.0009	0.0017	0.0019	0.0008	0.0003	0.0028	0.0012	0.0025	0.0006	<4.41E-05	<4.76E-05	<4.53E-05	0.0005	0.0005	0.0006	<4.93E-05
T-309		<1.26E-04	<1.25E-04	<1.14E-04	<1.18E-04	<1.17E-04	<1.26E-04	<1.26E-04	<1.17E-04	<1.17E-04	<1.25E-04	<1.23E-04	<1.14E-04	<1.23E-04	<1.17E-04	<1.23E-04	<1.26E-04	<1.17E-04	<1.28E-04
T-310		<6.49E-05	<6.48E-05	<5.91E-05	<6.09E-05	<6.02E-05	<6.49E-05	<6.49E-05	<6.06E-05	<6.02E-05	<6.46E-05	<6.36E-05	<5.91E-05	<6.36E-05	<6.06E-05	<6.37E-05	<6.52E-05	<6.06E-05	<6.59E-05
T-311		<8.91E-05	<8.88E-05	<8.11E-05	<8.35E-05	<8.26E-05	<8.91E-05	<8.91E-05	<8.31E-05	<8.26E-05	<8.86E-05	<8.72E-05	<8.10E-05	<8.73E-05	<8.31E-05	<8.73E-05	<8.94E-05	<8.31E-05	<9.04E-05
T-312		<5.85E-05	0.0078	0.0094	0.0075	0.0023	0.0002	0.0003	0.0104	0.0065	0.0065	0.0013	<5.32E-05	<5.73E-05	0.0049	0.0003	0.0005	0.0060	0.0005
T-313		<5.00E-05	0.0013	0.0002	<4.69E-05	0.0007	<5.00E-05	0.0002	<4.67E-05	0.0003	0.0001	0.0009	0.0002	<4.90E-05	<4.67E-05	<4.90E-05	0.0001	0.0004	0.0015
T-314		<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05	<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05
T-401		<5.49E-05	<5.47E-05	<4.99E-05	<5.15E-05	<5.09E-05	<5.49E-05	<5.49E-05	<5.12E-05	<5.09E-05	<5.46E-05	<5.38E-05	<4.99E-05	<5.38E-05	<5.12E-05	<5.38E-05	<5.51E-05	<5.12E-05	<5.57E-05
T-402		<7.36E-05	<7.34E-05	<6.70E-05	<6.90E-05	<6.83E-05	<7.36E-05	<7.36E-05	<6.87E-05	<6.83E-05	<7.32E-05	<7.21E-05	<6.70E-05	<7.21E-05	<6.87E-05	<7.22E-05	<7.39E-05	<6.87E-05	<7.47E-05
T-403		<1.35E-04	<1.35E-04	<1.23E-04	<1.27E-04	<1.25E-04	<1.35E-04	<1.35E-04	<1.26E-04	<1.25E-04	<1.34E-04	<1.32E-04	<1.23E-04	<1.32E-04	<1.26E-04	<1.33E-04	<1.36E-04	<1.26E-04	<1.37E-04
T-404		<6.96E-05	<6.94E-05	<6.33E-05	<6.53E-05	<6.46E-05	<6.96E-05	<6.96E-05	<6.50E-05	<6.46E-05	<6.92E-05	0.0001	<6.33E-05	<6.82E-05	<6.50E-05	<6.83E-05	<6.99E-05	<6.50E-05	<7.06E-05
T-405		<7.25E-05	<7.23E-05	<6.60E-05	<6.80E-05	<6.73E-05	<7.25E-05	<7.25E-05	<6.77E-05	<6.73E-05	<7.21E-05	0.0001	<6.59E-05	<7.11E-05	<6.77E-05	<7.11E-05	<7.28E-05	<6.77E-05	<7.36E-05
T-406		<7.09E-05	<7.08E-05	<6.46E-05	<6.65E-05	<6.58E-05	<7.09E-05	<7.09E-05	<6.62E-05	<6.58E-05	<7.05E-05	<6.95E-05	<6.45E-05	<6.95E-05	<6.62E-05	<6.96E-05	<7.12E-05	<6.62E-05	<7.20E-05
T-407		<1.10E-04	<1.09E-04	<8.86E-05	<9.34E-05	<1.02E-04	<9.59E-05	<1.10E-04	<9.20E-05	<9.03E-05	<1.09E-04	<1.07E-04	<8.54E-05	<8.59E-05	<9.20E-05	<9.21E-05	<1.10E-04	<1.02E-04	<1.11E-04
T-408		0.0001	<5.47E-05	<5.00E-05	<5.15E-05	<5.09E-05	<5.49E-05	<5.49E-05	<5.12E-05	<5.09E-05	0.0001	0.0001	<4.99E-05	<5.38E-05	<5.12E-05	0.0002	0.0002	<5.12E-05	<5.57E-05
T-409		<6.65E-05	<6.63E-05	<5.38E-05	<5.67E-05	<6.17E-05	<5.82E-05	<6.65E-05	<5.58E-05	<5.48E-05	<6.61E-05	<6.51E-05	<5.18E-05	<5.21E-05	<5.58E-05	<5.59E-05	<6.67E-05	<6.20E-05	<6.75E-05
T-410		<8.23E-05	<8.21E-05	<7.49E-05	<7.72E-05	<7.63E-05	<8.23E-05	<8.23E-05	<7.68E-05	<7.63E-05	<8.18E-05	<8.06E-05	<7.48E-05	<8.06E-05	<7.68E-05	<8.07E-05	<8.26E-05	<7.68E-05	<8.35E-05
T-411		<1.05E-04	<1.05E-04	<9.57E-05	0.0003	<9.75E-05	<1.05E-04	<1.05E-04	<9.81E-05	<9.75E-05	<1.05E-04	<1.03E-04	<9.56E-05	<1.03E-04	<9.81E-05	<1.03E-04	<1.06E-04	0.0019	<1.07E-04
T-412		0.0096	0.0036	0.0020	<4.89E-05	0.0010	0.0034	0.0073	0.0007	0.0004	0.0007	0.0001	0.0001	0.0012	0.0002	0.0009	0.0024	0.0008	0.0009
T-413		<5.79E-05	0.0015	0.0022	0.0013	0.0017	0.0039	0.0005	<5.40E-05	0.0005	0.0019	0.0003	0.0003	0.0027	0.0033	<5.67E-05	0.0003	0.0012	0.0010
T-414		<5.30E-05	<5.28E-05	<4.82E-05	<4.96E-05	<4.91E-05	<5.30E-05	<5.30E-05	<4.94E-05	<4.91E-05	<5.26E-05	<5.19E-05	<4.82E-05	<5.19E-05	<4.94E-05	<5.19E-05	<5.31E-05	<4.94E-05	<5.37E-05
T-501		<3.72E-04	<3.71E-04	<3.38E-04	<3.48E-04	<3.45E-04	<3.72E-04	<3.72E-04	0.0017	<3.45E-04	<3.69E-04	<3.64E-04	<3.38E-04	<3.64E-04	<3.47E-04	<3.64E-04	<3.73E-04	<3.47E-04	<3.77E-04
T-502		0.0004	0.0002	<9.78E-05	<1.01E-04	<9.97E-05	<1.07E-04	<1.07E-04	<1.00E-04	<9.97E-05	<1.07E-04	<1.05E-04	<9.77E-05	<1.05E-04	0.0007	<1.05E-04	<1.08E-04	<1.00E-04	<1.09E-04
T-503		<2.15E-04	<2.15E-04	<1.96E-04	<2.02E-04	<1.99E-04	<2.15E-04	<2.15E-04	<2.01E-04	<1.99E-04	0.0007	<2.11E-04	<1.96E-04	<2.11E-04	<2.01E-04	0.0005	<2.16E-04	<2.01E-04	<2.18E-04
T-504		<1.16E-04	<1.16E-04	<1.06E-04	<1.09E-04	<1.08E-04	<1.16E-04	<1.16E-04	<1.08E-04	<1.08E-04	<1.15E-04	<1.14E-04	<1.06E-04	<1.14E-04	<1.08E-04	<1.14E-04	<1.17E-04	<1.08E-04	<1.18E-04
T-505		<7.87E-05	<7.85E-05	<7.17E-05	<7.38E-05	<7.30E-05	<7.87E-05	<7.87E-05	<7.35E-05	<7.30E-05	<7.83E-05	<7.71E-05	0.0002	<7.72E-05	<7.35E-05	<7.72E-05	<7.90E-05	<7.35E-05	<7.99E-05
T-506		<6.89E-05	<6.87E-05	<6.27E-05	<6.46E-05	<6.39E-05	<6.89E-05	<6.89E-05	<6.43E-05	<6.39E-05	<6.85E-05	<6.75E-05	<6.27E-05	<6.75E-05	<6.43E-05	<6.76E-05	<6.92E-05	<6.43E-05	<6.99E-05
T-507		<5.67E-05	<5.65E-05	<5.16E-05	<5.32E-05	<5.26E-05	<5.67E-05	<5.67E-05	<5.29E-05	<5.26E-05	<5.64E-05	<5.55E-05	0.0008	<5.55E-05	<5.29E-05	<5.56E-05	<5.69E-05	<5.29E-05	<5.75E-05
T-508		<7.58E-05	<7.56E-05	<6.89E-05	<7.10E-05	0.0004	<7.58E-05	<7.58E-05	<7.07E-05	<7.03E-05	<7.53E-05	<7.42E-05	<6.89E-05	<7.42E-05	<7.07E-05	<7.43E-05	<7.61E-05	<7.07E-05	<7.69E-05
T-509		<5.70E-05	<5.68E-05	<5.18E-05	0.0003	<5.28E-05	<5.70E-05	<5.70E-05	<5.32E-05	<5.28E-05	<5.66E-05	0.0001	0.0002	<5.58E-05	<5.32E-05	<5.59E-05	<5.72E-05	<5.32E-05	<5.78E-05
T-510		0.0009	0.0021	<5.77E-05	0.0053	0.0017	0.0024	0.0003	0.0005	0.0013	0.0009	0.0005	0.0053	0.0011	0.0009	0.0003	0.0006	0.0004	0.0003
T-511		<5.77E-05	<5.75E-05	<5.25E-05	<5.41E-05	<5.35E-05	<5.77E-05	<5.77E-05	<5.38E-05	<5.35E-05	<5.73E-05	<5.65E-05	0.0002	<5.65E-05	<5.38E-05	<5.65E-05	<5.79E-05	<5.38E-05	<5.85E-05
T-512		<1.72E-04	<1.71E-04	<1.56E-04	0.0004	<1.59E-04	<1.72E-04	<1.72E-04	<1.60E-04	<1.59E-04	<1.71E-04	<1.68E-04	<1.56E-04	<1.68E-04	<1.60E-04	<1.69E-04	<1.73E-04	<1.60E-04	<1.74E-04
T-513		<1.56E-04	<1.56E-04	<1.42E-04	<1.46E-04	<1.45E-04	<1.56E-04	<1.56E-04	<1.45E-04	<1.45E-04	<1.55E-04	<1.53E-04	<1.42E-04	<1.53E-04	<1.45E-04	<1.53E-04	<1.56E-04	<1.45E-04	<1.58E-04
T-514		<5.52E-05	<5.51E-05	<5.02E-05	<5.18E-05	<5.12E-05	<5.52E-05	<5.52E-05	<5.15E-05	<5.12E-05	<5.49E-05	<5.41E-05	<5.02E-05	<5.41E-05	<5.15E-05	<5.41E-05	<5.54E-05	<5.15E-05	<5.60E-05

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

ID de la Muestra:	Compuesto	1-Buteno	2,4-Dimetilpentano	2-Metilheptano	1,3,5-Trimetilbenceno	n-Hexano	t-2-Penteno	c-2-Penteno	n-Nonano	2-Metilpentano	3-Metilheptano	Metilciclopentano	Ciclopentano	1,4-Dietilbenceno	2,3-Dimetilpentano	2,2-Dimetilbutano	2,3-Dimetilbutano	Undecano
	CAS	106-98-9	108-08-7	592-27-8	108-67-8	110-54-3	646-04-8	627-20-3	111-84-2	107-83-5	589-81-1	96-37-7	287-92-3	105-05-5	565-59-3	75-83-2	79-29-8	1120-21-4
	MW	56.1	100.2	114.2	120.2	86.2	70.1	70.1	128.3	86.2	114.2	84.2	70.1	134.2	100.2	86.2	86.2	156.3
T-101		<6.17E-05	<6.29E-05	<6.28E-05	<5.87E-05	<6.32E-05	<6.16E-05	<6.16E-05	<6.27E-05	<6.32E-05	<6.28E-05	<6.17E-05	<6.16E-05	<5.90E-05	<6.29E-05	<6.32E-05	<6.32E-05	<6.25E-05
T-102		0.0001	<4.72E-05	<4.71E-05	<4.41E-05	<4.74E-05	<4.63E-05	<4.63E-05	<4.71E-05	<4.74E-05	<4.71E-05	<4.63E-05	<4.63E-05	<4.43E-05	<4.72E-05	<4.74E-05	<4.74E-05	<4.69E-05
T-103		<1.25E-04	<1.27E-04	<1.27E-04	<1.19E-04	<1.28E-04	0.0006	<1.25E-04	<1.27E-04	<1.28E-04	<1.27E-04	<1.25E-04	<1.25E-04	<1.19E-04	0.0005	<1.28E-04	<1.28E-04	<1.26E-04
T-104		<1.34E-04	<1.37E-04	<1.37E-04	<1.28E-04	<1.37E-04	<1.34E-04	<1.34E-04	<1.36E-04	<1.37E-04	<1.37E-04	<1.34E-04	<1.34E-04	<1.28E-04	<1.37E-04	<1.37E-04	<1.37E-04	<1.36E-04
T-105		<4.20E-05	<4.29E-05	<4.27E-05	<4.00E-05	<4.30E-05	<4.20E-05	<4.20E-05	<4.27E-05	<4.30E-05	<4.27E-05	<4.20E-05	<4.20E-05	<4.02E-05	<4.29E-05	<4.30E-05	<4.30E-05	<4.25E-05
T-106		<4.94E-05	<5.04E-05	<5.03E-05	<4.71E-05	<5.06E-05	<4.94E-05	<4.94E-05	<5.02E-05	<5.06E-05	<5.03E-05	<4.94E-05	<4.94E-05	<4.73E-05	<5.04E-05	<5.06E-05	<5.06E-05	<5.01E-05
T-107		0.0004	<1.18E-04	<1.18E-04	<1.10E-04	<1.18E-04	<1.15E-04	<1.15E-04	<1.17E-04	<1.18E-04	<1.18E-04	<1.16E-04	<1.15E-04	<1.11E-04	<1.18E-04	<1.18E-04	<1.18E-04	<1.17E-04
T-108		0.0007	<1.91E-04	<1.91E-04	<1.79E-04	<1.92E-04	<1.88E-04	<1.88E-04	<1.91E-04	<1.92E-04	<1.91E-04	<1.88E-04	<1.88E-04	<1.79E-04	<1.91E-04	<1.92E-04	<1.92E-04	<1.90E-04
T-109		0.0001	0.0002	<4.91E-05	<4.59E-05	0.0008	<4.82E-05	<4.82E-05	<4.90E-05	0.0001	<4.91E-05	<4.83E-05	<4.82E-05	<4.62E-05	<4.92E-05	<4.94E-05	<4.94E-05	<4.89E-05
T-110		<4.19E-05	<4.28E-05	<4.27E-05	<3.99E-05	<4.29E-05	<4.19E-05	<4.19E-05	<4.26E-05	<4.29E-05	<4.27E-05	<4.19E-05	<4.19E-05	<4.01E-05	<4.28E-05	<4.29E-05	<4.29E-05	<4.25E-05
T-111		<1.85E-04	<1.88E-04	<1.88E-04	<1.76E-04	<1.89E-04	<1.85E-04	<1.85E-04	<1.88E-04	<1.89E-04	<1.88E-04	<1.85E-04	<1.85E-04	<1.77E-04	<1.88E-04	<1.89E-04	<1.89E-04	<1.87E-04
T-112		<9.96E-05	0.0019	0.0004	<9.48E-05	0.0006	0.0008	0.0002	0.0003	0.0011	<1.01E-04	<9.96E-05	0.0003	<9.53E-05	0.0008	0.0005	<1.02E-04	<1.01E-04
T-113		<8.96E-05	0.0015	0.0004	<8.53E-05	0.0005	0.0006	0.0002	<9.10E-05	0.0009	<9.11E-05	<8.96E-05	0.0002	<8.57E-05	0.0007	0.0004	<9.17E-05	<9.07E-05
T-114		<4.47E-05	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05	<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05
T-201		<6.75E-05	<6.89E-05	<6.87E-05	<6.43E-05	<6.92E-05	<6.75E-05	<6.75E-05	<6.86E-05	<6.92E-05	<6.87E-05	<6.76E-05	<6.75E-05	<6.46E-05	<6.89E-05	<6.92E-05	<6.92E-05	<6.84E-05
T-202		<8.55E-05	<8.73E-05	<8.71E-05	<8.14E-05	<8.76E-05	<8.55E-05	<8.55E-05	<8.69E-05	<8.76E-05	<8.71E-05	<8.56E-05	<8.55E-05	<8.18E-05	<8.73E-05	<8.76E-05	<8.76E-05	<8.67E-05
T-203		<5.35E-05	<5.46E-05	<5.45E-05	<5.10E-05	<5.48E-05	<5.35E-05	<5.35E-05	<5.44E-05	<5.48E-05	<5.45E-05	<5.36E-05	<5.35E-05	<5.12E-05	<5.46E-05	<5.48E-05	<5.48E-05	<5.42E-05
T-204		<6.61E-05	<6.75E-05	<6.73E-05	<6.30E-05	<6.77E-05	<6.61E-05	<6.61E-05	<6.72E-05	<6.77E-05	<6.73E-05	<6.62E-05	<6.61E-05	<6.33E-05	<6.75E-05	<6.77E-05	<6.77E-05	<6.70E-05
T-205		<4.24E-05	<4.32E-05	<4.31E-05	<4.03E-05	<4.34E-05	<4.23E-05	<4.23E-05	<4.31E-05	<4.34E-05	<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.34E-05	<4.34E-05	<4.29E-05
T-206		<4.24E-05	<4.32E-05	<4.31E-05	0.0001	<4.34E-05	<4.23E-05	<4.23E-05	<4.31E-05	<4.34E-05	<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.34E-05	<4.34E-05	<4.29E-05
T-207		<4.22E-05	<4.31E-05	<4.30E-05	<4.02E-05	<4.32E-05	<4.22E-05	<4.22E-05	<4.29E-05	<4.32E-05	<4.30E-05	<4.22E-05	<4.22E-05	<4.04E-05	<4.31E-05	<4.32E-05	<4.32E-05	<4.28E-05
T-208		<4.23E-05	<4.32E-05	<4.30E-05	<4.03E-05	<4.33E-05	<4.23E-05	<4.23E-05	<4.30E-05	<4.33E-05	<4.30E-05	<4.23E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.33E-05	<4.33E-05	<4.28E-05
T-209		0.0001	<4.75E-05	<4.73E-05	<4.43E-05	<4.76E-05	<4.65E-05	<4.65E-05	<4.73E-05	<4.76E-05	<4.73E-05	<4.65E-05	<4.65E-05	<4.45E-05	<4.75E-05	<4.76E-05	<4.76E-05	<4.71E-05
T-210		0.0001	0.0001	0.0002	0.0001	0.0002	<4.23E-05	<4.23E-05	<4.31E-05	0.0002	<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	0.0002	<4.34E-05	<4.34E-05	<4.29E-05
T-211		0.0001	<4.30E-05	<4.29E-05	<4.01E-05	<4.32E-05	<4.21E-05	<4.21E-05	<4.28E-05	<4.32E-05	<4.29E-05	<4.22E-05	<4.21E-05	<4.03E-05	<4.30E-05	<4.32E-05	<4.32E-05	<4.27E-05
T-212		0.0002	0.0004	0.0017	0.0018	0.0007	0.0003	<7.54E-05	0.0032	0.0004	0.0011	<7.55E-05	0.0002	0.0006	0.0006	<7.73E-05	<7.73E-05	<7.65E-05
T-213		<6.49E-05	0.0002	<6.60E-05	<6.18E-05	0.0001	<6.49E-05	<6.49E-05	<6.59E-05	0.0003	<6.60E-05	<6.49E-05	<6.49E-05	<6.21E-05	0.0002	<6.65E-05	<6.65E-05	<6.57E-05
T-214		<4.47E-05	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05	<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05
T-301		0.0001	<5.17E-05	<5.15E-05	<4.82E-05	<5.19E-05	<5.06E-05	0.0001	<5.15E-05	<5.19E-05	<5.15E-05	<5.07E-05	0.0001	<4.84E-05	<5.17E-05	<5.19E-05	<5.19E-05	<5.13E-05
T-302		0.0002	<8.64E-05	<8.62E-05	<8.06E-05	<8.67E-05	<8.46E-05	<8.46E-05	<8.60E-05	<8.67E-05	<8.62E-05	<8.47E-05	0.0002	<8.10E-05	<8.64E-05	<8.67E-05	<8.67E-05	<8.58E-05
T-303		0.0001	<5.37E-05	<5.36E-05	<5.01E-05	0.0001	<5.26E-05	<5.26E-05	<5.35E-05	0.0002	<5.36E-05	<5.27E-05	0.0003	<5.04E-05	<5.37E-05	<5.39E-05	<5.39E-05	<5.33E-05
T-304		0.0001	0.0006	<4.51E-05	0.0002	0.0008	0.0001	<4.43E-05	<4.51E-05	0.0006	<4.51E-05	<4.44E-05	0.0003	<4.24E-05	0.0003	0.0005	<4.54E-05	<4.49E-05
T-305		<4.43E-05	<4.52E-05	<4.51E-05	<4.21E-05	0.0001	<4.42E-05	<4.42E-05	<4.50E-05	<4.53E-05	<4.51E-05	<4.43E-05	<4.42E-05	<4.24E-05	<4.52E-05	<4.53E-05	<4.53E-05	<4.48E-05
T-306		<4.42E-05	<4.51E-05	<4.50E-05	<4.21E-05	<4.53E-05	<4.42E-05	<4.42E-05	<4.49E-05	<4.53E-05	<4.50E-05	<4.42E-05	<4.42E-05	<4.23E-05	<4.51E-05	<4.53E-05	<4.53E-05	<4.48E-05
T-307		<4.40E-05	0.0001	<4.48E-05	0.0008	<4.51E-05	<4.40E-05	<4.40E-05	0.0001	0.0002	<4.48E-05	<4.40E-05	<4.40E-05	0.0004	<4.49E-05	<4.51E-05	<4.51E-05	<4.46E-05
T-308		<4.76E-05	0.0004	<4.84E-05	0.0022	0.0005	0.0003	0.0002	0.0012	0.0004	0.0004	<4.76E-05	0.0002	0.0017	0.0003	0.0002	<4.87E-05	<4.82E-05
T-309		<1.23E-04	<1.26E-04	<1.25E-04	<1.17E-04	<1.26E-04	<1.23E-04	<1.23E-04	<1.25E-04	<1.26E-04	<1.25E-04	<1.23E-04	<1.23E-04	<1.18E-04	<1.26E-04	<1.26E-04	<1.26E-04	<1.25E-04
T-310		<6.36E-05	<6.49E-05	<6.48E-05	<6.06E-05	<6.52E-05	<6.36E-05	<6.36E-05	<6.47E-05	<6.52E-05	<6.48E-05	<6.37E-05	<6.36E-05	<6.09E-05	<6.49E-05	<6.52E-05	<6.52E-05	<6.45E-05
T-311		<8.73E-05	<8.91E-05	<8.88E-05	<8.31E-05	<8.94E-05	<8.72E-05	<8.72E-05	<8.87E-05	<8.94E-05	<8.88E-05	<8.73E-05	<8.72E-05	<8.35E-05	<8.91E-05	<8.94E-05	<8.94E-05	<8.84E-05
T-312		<5.73E-05	<5.85E-05	0.0008	0.0041	0.0009	<5.73E-05	0.0017	0.0010	<5.87E-05	0.0021	0.0004	<5.73E-05	0.0023	<5.85E-05	<5.87E-05	0.0007	<5.81E-05
T-313		<4.90E-05	<5.00E-05	<4.99E-05	0.0002	0.0002	<4.90E-05	0.0010	<4.98E-05	<5.02E-05	0.0006	0.0002	<4.90E-05	<4.69E-05	<5.00E-05	<5.02E-05	0.0004	<4.96E-05
T-314		0.0001	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05	<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05
T-401		<5.38E-05	<5.49E-05	<5.47E-05	<5.12E-05	<5.51E-05	<5.38E-05	<5.38E-05	<5.47E-05	<5.51E-05	<5.47E-05	<5.38E-05	<5.38E-05	<5.15E-05	<5.49E-05	<5.51E-05	<5.51E-05	<5.45E-05
T-402		<7.21E-05	<7.36E-05	<7.34E-05	<6.87E-05	<7.39E-05	<7.21E-05	<7.21E-05	<7.33E-05	<7.39E-05	<7.34E-05	<7.22E-05	<7.21E-05	<6.90E-05	<7.36E-05	<7.39E-05	<7.39E-05	<7.31E-05
T-403		<1.32E-04	<1.35E-04	<1.35E-04	<1.26E-04	<1.36E-04	<1.32E-04	<1.32E-04	<1.35E-04	<1.36E-04	<1.35E-04	<1.33E-04	<1.32E-04	<1.27E-04	<1.35E-04	<1.36E-04	<1.36E-04	<1.34E-04
T-404		<6.82E-05	<6.96E-05	<6.94E-05	<6.50E-05	<6.99E-05	<6.82E-05	<6.82E-05	<6.93E-05	<6.99E-05	<6.94E-05	<6.83E-05	<6.82E-05	<6.53E-05	<6.96E-05	<6.99E-05	<6.99E-05	<6.91E-05
T-405		<7.11E-05	<7.25E-05	<7.23E-05	<6.77E-05	<7.28E-05	<7.10E-05	<7.10E-05	<7.22E-05	<7.28E-05	<7.23E-05	<7.11E-05	<7.10E-05	<6.80E-05	<7.25E-05	<7.28E-05	<7.28E-05	<7.20E-05
T-406		<6.95E-05	<7.09E-05	<7.08E-05	<6.62E-05	<7.12E-05	<6.95E-05	<6.95E-05	<7.07E-05	<7.12E-05	<7.08E-05	<6.96E-05	<6.95E-05	<6.65E-05	<7.09E-05	<7.12E-05	<7.12E-05	<7.04E-05
T-407		<1.07E-04	<1.28E-04	<1.09E-04	<1.02E-04	<9.42E-05	<8.94E-05	<1.07E-04	<1.09E-04	<1.10E-04	<1.09E-04	<1.07E-04	<8.94E-05	<8.56E-05	<9.59E-05	<1.10E-04	<1.10E-04	<2.24E-03
T-408		<5.38E-05	0.0002	<5.47E-05	<5.12E-05	0.0001	<5.38E-05	<5.38E-05	<5.47E-05	0.0003	<5.47E-05	<5.38E-05	0.0001	<5.15E-05	0.0001	0.0002	<5.51E-05	<5.45E-05
T-409		<6.51E-05	<7.76E-05	<6.63E-05	<6.20E-05	<5.72E-05	<5.43E-05	<6.51E-05	<6.62E-05	<6.67E-05	<6.63E-05	<6.52E-05	<5.43E-05	<5.19E-05	<5.82E-05	<6.67E-05	<6.67E-05	<1.36E-03
T-410		<8.06E-05	<8.23E-05	<8.21E-05	<7.68E-05	<8.26E-05	<8.06E-05	<8.06E-05	<8.20E-05	<8.26E-05	<8.21E-05	<8.07E-05	0.0002	<7.72E-05	<8.23E-05	<8.26E-05	<8.26E-05	<8.17E-05
T-411		0.0005	<1.05E-04	<1.05E-04	<9.81E-05	<1.06E-04	<1.03E-04	<1.03E-04	<1.05E-04	<1.06E-04	<1.05E-04	<1.03E-04	0.0002	<9.86E-05	<1.05E-04	<1.06E-04	<1.06E-04	<1.04E-04
T-412		<5.11E-05	0.0017	0.0020	<4.86E-05	<5.23E-05	0.0016	0.0012	0.0002	<5.23E-05	0.0006	0.0004	0.0003	0.0002	<5.21E-05	0.0003	<5.23E-05	<5.17E-05
T-413		0.0023	0.0019	0.0033	<5.40E-05	0.0012	0.0001	<5.67E-05	0.0016	0.0004	<5.77E-05	0.0017	<5.67E-05	<5.42E-05	0.0010	<5.81E-05	<5.81E-05	<5.74E-05
T-414		<5.19E-05	<5.30E-05	<5.28E-05	<4.94E-05	<5.31E-05	<5.19E-05	<5.19E-05	<5.27E-05	<5.31E-05	<5.28E-05	<5.19E-05	<5.19E-05	<4.96E-05	<5.30E-05	<5.31E-05	<5.31E-05	<5.26E-05
T-501		<3.64E-04	<3.72E-04	<3.71E-04	<3.47E-04	<3.73E-04	<3.64E-04	<3.64E-04	<3.70E-04	<3.73E-04	<3.71E-04	<3.64E-04	<3.64E-04	<3.48E-04	<3.72E-04	<3.73E-04	<3.73E-04	0.0016
T-502		<1.05E-04	<1.07E-04	<1.07E-04	<1.00E-04	<1.08E-04	<1.05E-04	<1.05E-04	<1.07E-04	<1.08E-04	0.0008	<1.05E-04	<1.05E-04	<1.01E-04	<1.07E-04	<1.08E-04	<1.08E-04	<1.07E-04
T-503		<2.11E-04	<2.15E-04	<2.15E-04	<2.01E-04	<2.16E-04	<2.11E-04	<2.11E-04	<2.14E-04	0.0005	<2.15E-04	<2.11E-04	0.0004	<2.02E-04	<2.15E-04	<2.16E-04	<2.16E-04	<2.14E-04
T-504		<1.14E-04	<1.16E-04	<1.16E-04	<1.08E-04	<1.17E-04	<1.14E-04	<1.14E-04	<1.16E-04	<1.17E-04	<1.16E-04	<1.14E-04	<1.14E-04	<1.09E-04	<1.16E-04	<1.17E-04	<1.17E-04	<1.15E-04
T-505		<7.72E-05	<7.87E-05	<7.85E-05	<7.35E-05	<7.90E-05	<7.71E-05	<7.71E-05	<7.84E-05	<7.90E-05	<7.85E-05	<7.72E-05	<7.71E-05	<7.38E-05	<7.87E-05	<7.90E-05	<7.90E-05	<7.82E-05
T-506		<6.75E-05	<6.89E-05	<6.87E-05	<6.43E-05	<6.92E-05	<6.75E-05	<6.75E-05	<6.86E-05	<6.92E-05	<6.87E-05	<6.76E-05	<6.75E-05	<6.46E-05	<6.89E-05	<6.92E-05	<6.92E-05	<6.84E-05
T-507		<5.55E-05	<5.67E-05	<5.65E-05	<5.29E-05	<5.69E-05	<5.55E-05	<5.55E-05	<5.65E-05	<5.69E-05	<5.65E-05	<5.56E-05	<5.55E-05	<5.32E-05	<5.67E-05	<5.69E-05	<5.69E-05	<5.63E-05
T-508		<7.42E-05	<7.58E-05	<7.56E-05	<7.07E-05	<7.61E-05	<7.42E-05	<7.42E-05	<7.55E-05	<7.61E-05	<7.56E-05	<7.43E-05	<7.42E-05	<7.10E-05	<7.58E-05	<7.61E-05	<7.61E-05	<7.52E-05
T-509		<5.58E-05	<5.70E-05	<5.68E-05	<5.32E-05	<5.72E-05	<5.58E-05	<5.58E-05	<5.67E-05	<5.72E-05	<5.68E-05	<5.59E-05	<5.58E-05	<5.34E-05	<5.70E-05	<5.72E-05	<5.72E-05	<5.66E-05
T-510		<6.21E-05	0.0002	0.0003	0.0008	0.0002	0.0012	0.0002	0.0007	0.0002	0.0004	0.0006	0.0004	0.0004	0.0002	0.0002	<6.36E-05	0.0005
T-511		0.0001	<5.77E-05	<5.75E-05	<5.38E-05	<5.79E-05	<5.65E-05	<5.65E-05	<5.74E-05	<5.79E-05	<5.75E-05	<5.65E-05	<5.65E-05	<5.41E-05	<5.77E-05	<5.79E-05	<5.79E-05	<5.72E-05
T-512		<1.68E-04	<1.72E-04	<1.71E-04	<1.60E-04	<1.73E-04	<1.68E-04	<1.68E-04	<1.71E-04	<1.73E-04	<1.71E-04	<1.69E-04	<1.68E-04	<1.61E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.71E-04
T-513		<1.53E-04	<1.56E-04	<1.56E-04	<1.45E-04	<1.56E-04	<1.53E-04	<1.53E-04	<1.55E-04	<1.56E-04	<1.56E-04	<1.53E-04	<1.53E-04	<1.46E-04	<1.56E-04	<1.56E-04	<1.56E-04	<1.55E-04
T-514		<5.41E-05	<5.52E-05	<5.51E-05	<5.15E-05	<5.54E-05	<5.41E-05	<5.41E-05	<5.50E-05	<5.54E-05	<5.51E-05	<5.41E-05	<5.41E-05	<5.18E-05	<5.52E-05	<5.54E-05	<5.54E-05	<5.48E-05

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



Sample ID	Compound	Tert-Butyl Sulfide	Dimethyl Sulfide	Isopropyl Mercaptan	Hydrogen Sulfide	Tert-Butylmercaptan / Thiophene	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Disulfide	COS / CS2	2-Methylthiophene	Ethyl Mercaptan	Carbon Disulfide	Isobutyl Mercaptan	n-Propyl Mercaptan	Methylethyldisulfide	Diethyl Sulfide	n-Butyl Mercaptan	2-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide
	CAS	7783-06-4	75-18-3	75-33-2	7783-06-4	7783-06-4	513-53-1	74-93-1	624-92-0	463-58-1	554-14-3	75-08-1	75-15-0	75-66-1	107-03-9	624-89-5	353-93-2	109-79-5	616-44-4	110-01-0	1003-09-4	108-98-5	110-02-1	110-81-6
	MW	34.08	62.134	76.16	34.08	34.08	90.186	48.11	94.19	60.08	98.19	62.134	76.14	90.186	76.16	76.16	90.19	90.186	98.17	88.17	163.04	110.18	122.252
T-101		<1.67E-04	<3.42E-04	<4.19E-04	<1.67E-04	<1.67E-04	<4.98E-04	<2.64E-04	<4.96E-04	<5.10E-04	<5.30E-04	<5.40E-04	<3.42E-04	<4.19E-04	<4.98E-04	<4.19E-04	<4.19E-04	<4.98E-04	<4.98E-04	<5.40E-04	<4.05E-04	<3.98E-04	<5.06E-04	<6.72E-04
T-102		<1.41E-04	<2.56E-04	<3.14E-04	<1.41E-04	<1.41E-04	<3.72E-04	<1.99E-04	<3.72E-04	<3.86E-04	<2.48E-04	<4.05E-04	<2.56E-04	<3.14E-04	<3.72E-04	<3.14E-04	<3.14E-04	<3.72E-04	<3.72E-04	<4.05E-04	<3.64E-04	<6.73E-04	<4.55E-04	<5.04E-04
T-103		<3.76E-04	<6.90E-04	<8.45E-04	<3.76E-04	<3.76E-04	<1.00E-03	<5.34E-04	<1.00E-03	<1.05E-03	<6.67E-04	<1.09E-03	<6.90E-04	<8.45E-04	<1.00E-03	<8.45E-04	<8.45E-04	<1.00E-03	<1.00E-03	<1.09E-03	<9.79E-04	<1.81E-03	<1.22E-03	<1.36E-03
T-104		<4.07E-04	<7.43E-04	<9.10E-04	<4.07E-04	<4.07E-04	<1.08E-03	<5.75E-04	<1.08E-03	<1.13E-03	<7.18E-04	<1.17E-03	<7.43E-04	<9.10E-04	<1.08E-03	<9.10E-04	<9.10E-04	<1.08E-03	<1.08E-03	<1.17E-03	<1.05E-03	<1.95E-03	<1.32E-03	<1.46E-03
T-105		<1.26E-04	<2.33E-04	<2.85E-04	<1.26E-04	<1.26E-04	<3.37E-04	<1.80E-04	<3.37E-04	<3.52E-04	<2.25E-04	<3.67E-04	<2.33E-04	<2.85E-04	<3.37E-04	<2.85E-04	<2.85E-04	<3.37E-04	<3.37E-04	<3.67E-04	<3.30E-04	<6.10E-04	<4.12E-04	<4.57E-04
T-106		<1.50E-04	<2.74E-04	<3.35E-04	<1.50E-04	<1.50E-04	<3.97E-04	<2.12E-04	<3.97E-04	<4.15E-04	<2.65E-04	<4.32E-04	<2.74E-04	<3.35E-04	<3.97E-04	<3.35E-04	<3.35E-04	<3.97E-04	<3.97E-04	<4.32E-04	<3.88E-04	<7.18E-04	<4.85E-04	<5.36E-04
T-107		<3.51E-04	<6.40E-04	<7.84E-04	<3.51E-04	<3.51E-04	<9.26E-04	<4.95E-04	<9.26E-04	<9.70E-04	<6.19E-04	<1.01E-03	<6.40E-04	<7.84E-04	<9.26E-04	<7.84E-04	<7.84E-04	<9.26E-04	<9.26E-04	<1.01E-03	<9.09E-04	<1.68E-03	<1.13E-03	<1.26E-03
T-108		<5.70E-04	<1.04E-03	<1.27E-03	<5.70E-04	<5.70E-04	<1.51E-03	<8.04E-04	<1.51E-03	<1.57E-03	<1.00E-03	<1.64E-03	<1.04E-03	<1.27E-03	<1.51E-03	<1.27E-03	<1.27E-03	<1.51E-03	<1.51E-03	<1.64E-03	<1.47E-03	<2.73E-03	<1.84E-03	<2.04E-03
T-109		<1.47E-04	<2.67E-04	<3.27E-04	<1.47E-04	<1.47E-04	<3.86E-04	<2.07E-04	<3.86E-04	<4.05E-04	<2.59E-04	<4.22E-04	<2.67E-04	<3.27E-04	<3.86E-04	<3.27E-04	<3.27E-04	<3.86E-04	<3.86E-04	<4.22E-04	<3.79E-04	<7.01E-04	<4.74E-04	<5.26E-04
T-110		<1.27E-04	<2.32E-04	<2.84E-04	<1.27E-04	<1.27E-04	<3.37E-04	<1.80E-04	<3.37E-04	<3.52E-04	<2.24E-04	<3.67E-04	<2.32E-04	<2.84E-04	<3.37E-04	<2.84E-04	<2.84E-04	<3.37E-04	<3.37E-04	<3.67E-04	<3.29E-04	<6.09E-04	<4.12E-04	<4.57E-04
T-111		<5.61E-04	<1.02E-03	<1.25E-03	<5.61E-04	<5.61E-04	<1.48E-03	<7.92E-04	<1.48E-03	<1.55E-03	<9.89E-04	<1.62E-03	<1.02E-03	<1.25E-03	<1.48E-03	<1.25E-03	<1.25E-03	<1.48E-03	<1.48E-03	<1.62E-03	<1.45E-03	<2.69E-03	<1.81E-03	<2.01E-03
T-112		<3.02E-04	<5.51E-04	<6.76E-04	<3.02E-04	<3.02E-04	<8.00E-04	<4.27E-04	<8.00E-04	<8.36E-04	<5.33E-04	<8.71E-04	<5.51E-04	<6.76E-04	<8.00E-04	<6.76E-04	<6.76E-04	<8.00E-04	<8.00E-04	<8.71E-04	<7.83E-04	<1.45E-03	<9.78E-04	<1.08E-03
T-113		<2.72E-04	<4.96E-04	<6.09E-04	<2.72E-04	<2.72E-04	<7.20E-04	<3.84E-04	<7.20E-04	<7.52E-04	<4.80E-04	<7.83E-04	<4.96E-04	<6.09E-04	<7.20E-04	<6.09E-04	<6.09E-04	<7.20E-04	<7.20E-04	<7.84E-04	<7.04E-04	<1.30E-03	<8.79E-04	<9.76E-04
T-114		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.58E-04	<1.92E-04	<3.58E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04
T-201		<2.05E-04	<3.74E-04	<4.58E-04	<2.05E-04	<2.05E-04	<5.43E-04	<2.90E-04	<5.43E-04	<5.67E-04	<3.62E-04	<5.91E-04	<3.74E-04	<4.58E-04	<5.43E-04	<4.58E-04	<4.58E-04	<5.43E-04	<5.43E-04	<5.91E-04	<5.31E-04	<9.81E-04	<6.63E-04	<7.36E-04
T-202		<2.60E-04	<4.74E-04	<5.81E-04	<2.60E-04	<2.60E-04	<6.87E-04	<3.67E-04	<6.87E-04	<7.18E-04	<4.58E-04	<7.48E-04	<4.74E-04	<5.80E-04	<6.87E-04	<5.81E-04	<5.81E-04	<6.86E-04	<6.87E-04	<7.48E-04	<6.73E-04	<1.24E-03	<8.40E-04	<9.32E-04
T-203		<1.63E-04	<2.96E-04	<3.63E-04	<1.63E-04	<1.63E-04	<4.30E-04	<2.29E-04	<4.30E-04	<4.49E-04	<2.87E-04	<4.68E-04	<2.96E-04	<3.63E-04	<4.30E-04	<3.63E-04	<3.63E-04	<4.30E-04	<4.30E-04	<4.68E-04	<4.21E-04	<7.78E-04	<5.25E-04	<5.83E-04
T-204		0.00233	<3.96E-04	<4.49E-04	0.00233	<2.01E-04	<5.31E-04	<2.84E-04	<5.31E-04	<5.55E-04	<3.54E-04	<5.78E-04	<3.96E-04	<4.49E-04	<5.31E-04	<4.49E-04	<4.49E-04	<5.31E-04	<5.31E-04	<5.79E-04	<5.20E-04	<9.61E-04	<6.49E-04	<7.20E-04
T-205		0.00046	<2.35E-04	<2.86E-04	0.00046	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.86E-04	<2.86E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04
T-206		0.00134	<2.35E-04	<2.86E-04	0.00134	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.86E-04	<2.86E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04
T-207		<1.28E-04	<2.34E-04	<2.87E-04	<1.28E-04	<1.28E-04	<3.39E-04	<1.81E-04	<3.39E-04	<3.54E-04	<2.26E-04	<3.69E-04	<2.34E-04	<2.90E-04	<3.39E-04	<2.87E-04	<2.87E-04	<3.39E-04	<3.39E-04	<3.69E-04	<3.32E-04	<6.13E-04	<4.14E-04	<4.60E-04
T-208		<1.28E-04	<2.34E-04	<2.87E-04	<1.28E-04	<1.28E-04	<3.40E-04	<1.81E-04	<3.40E-04	<3.55E-04	<2.26E-04	<3.70E-04	<2.34E-04	<2.87E-04	<3.40E-04	<2.87E-04	<2.87E-04	<3.40E-04	<3.40E-04	<3.70E-04	<3.32E-04	<6.14E-04	<4.15E-04	<4.61E-04
T-209		<1.41E-04	<2.58E-04	<3.16E-04	<1.41E-04	<1.41E-04	<3.74E-04	<1.99E-04	<3.74E-04	<3.90E-04	<2.49E-04	<4.07E-04	<2.58E-04	<3.16E-04	<3.74E-04	<3.16E-04	<3.16E-04	<3.74E-04	<3.74E-04	<4.07E-04	<3.66E-04	<6.76E-04	<4.57E-04	<5.07E-04
T-210		<1.29E-04	<2.35E-04	<2.88E-04	<1.29E-04	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.88E-04	<2.88E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04
T-211		<1.28E-04	<2.33E-04	<2.86E-04	<1.28E-04	<1.28E-04	<3.39E-04	<1.81E-04	<3.39E-04	<3.54E-04	<2.26E-04	<3.69E-04	<2.33E-04	<2.86E-04	<3.39E-04	<2.86E-04	<2.86E-04	<3.39E-04	<3.39E-04	<3.69E-04	<3.31E-04	<6.12E-04	<4.14E-04	<4.59E-04
T-212		0.00119	<4.16E-04	<5.12E-04	0.00119	<2.29E-04	<6.07E-04	<3.24E-04	<6.07E-04	<6.34E-04	<4.04E-04	<6.60E-04	<4.18E-04	<5.12E-04	<6.07E-04	<5.12E-04	<5.12E-04	<6.07E-04	<6.07E-04	<6.60E-04	<5.93E-04	<1.10E-03	<7.41E-04	<8.22E-04
T-213		0.00079	<3.59E-04	<4.40E-04	0.00079	<1.97E-04	<5.21E-04	<2.78E-04	<5.21E-04	<5.45E-04	<3.47E-04	<5.66E-04	<3.59E-04	<4.40E-04	<5.21E-04	<4.40E-04	<4.40E-04	<5.22E-04	<5.21E-04	<5.66E-04	<5.10E-04	<9.43E-04	<6.37E-04	<7.07E-04
T-214		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.58E-04	<1.92E-04	<3.58E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04
T-301		<1.54E-04	<2.80E-04	<3.44E-04	<1.54E-04	<1.54E-04	<4.07E-04	<2.17E-04	<4.07E-04	<4.25E-04	<2.71E-04	<4.43E-04	<2.80E-04	<3.44E-04	<4.07E-04	<3.44E-04	<3.44E-04	<4.07E-04	<4.07E-04	<4.43E-04	<3.98E-04	<7.36E-04	<4.97E-04	<5.52E-04
T-302		<2.57E-04	<4.69E-04	<5.75E-04	<2.57E-04	<2.57E-04	<6.80E-04	<3.63E-04	<6.80E-04	<7.11E-04	<4.53E-04	<7.41E-04	<4.69E-04	<5.74E-04	<6.80E-04	<5.75E-04	<5.75E-04	<6.80E-04	<6.80E-04	<7.41E-04	<6.65E-04	<1.23E-03	<8.31E-04	<9.22E-04
T-303		<1.60E-04	<2.91E-04	<3.57E-04	<1.60E-04	<1.60E-04	<4.23E-04	<2.26E-04	<4.23E-04	<4.42E-04	<2.82E-04	<4.60E-04	<2.91E-04	<3.57E-04	<4.23E-04	<3.57E-04	<3.57E-04	<4.23E-04	<4.23E-04	<4.60E-04	<4.14E-04	<7.65E-04	<5.17E-04	<5.73E-04
T-304		<1.35E-04	<2.46E-04	<3.01E-04	<1.35E-04	<1.35E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.88E-04	<2.46E-04	<3.01E-04	<3.56E-04	<3.01E-04	<3.01E-04	<3.56E-04	<3.56E-04	<3.88E-04	<3.48E-04	<6.44E-04	<4.35E-04	<4.83E-04
T-305		<1.34E-04	<2.45E-04	<3.00E-04	<1.34E-04	<1.34E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.87E-04	<2.45E-04	<3.00E-04	<3.56E-04	<3.00E-04	<3.00E-04	<3.56E-04	<3.56E-04	<3.87E-04	<3.46E-04	<6.42E-04	<4.33E-04	<4.82E-04
T-306		<1.34E-04	<2.45E-04	<3.00E-04	<1.34E-04	<1.34E-04	<3.55E-04	<1.89E-04	<3.55E-04	<3.71E-04	<2.37E-04	<3.87E-04	<2.45E-04	<3.00E-04	<3.55E-04	<3.00E-04	<3.00E-04	<3.55E-04	<3.55E-04	<3.87E-04	<3.47E-04	<6.42E-04	<4.34E-04	<4.81E-04
T-307		<1.34E-04	<2.44E-04	<2.99E-04	<1.34E-04	<1.34E-04	<3.54E-04	<1.89E-04	<3.54E-04	<3.69E-04	<2.36E-04	<3.85E-04	<2.44E-04	<2.99E-04	<3.54E-04	<2.99E-04	<2.99E-04	<3.54E-04	<3.54E-04	<3.85E-04	<3.46E-04	<6.40E-04	<4.32E-04	<4.80E-04
T-308		<1.44E-04	<2.63E-04	<3.23E-04	<1.44E-04	<1.44E-04	<3.82E-04	<2.04E-04	<3.82E-04	<3.99E-04	<2.55E-04	<4.16E-04	<2.63E-04	<3.23E-04	<3.82E-04	<3.23E-04	<3.23E-04	<3.82E-04	<3.82E-04	<4.16E-04	<3.74E-04	<6.91E-04	<4.67E-04	<5.18E-04
T-309		<3.74E-04	<6.83E-04	<8.37E-04	<3.74E-04	<3.74E-04	<9.91E-04	<5.29E-04	<9.91E-04	<1.03E-03	<6.60E-04	<1.08E-03	<6.83E-04	<8.37E-04	<9.91E-04	<8.37E-04	<8.37E-04	<9.91E-04	<9.91E-04	<1.08E-03	<9.69E-04	<1.79E-03	<1.21E-03	<1.34E-03
T-310		<1.93E-04	<3.52E-04	<4.32E-04	<1.93E-04	<1.93E-04	<5.11E-04	<2.73E-04	<5.11E-04	<5.34E-04	<3.41E-04	<5.57E-04	<3.52E-04	<4.32E-04	<5.11E-04	<4.32E-04	<4.32E-04	<5.12E-04	<5.11E-04	<5.57E-04	<5.00E-04	<9.25E-04	<6.25E-04	<6.93E-04
T-311		<2.65E-04	<4.83E-04	<5.93E-04	<2.65E-04	<2.65E-04	<7.02E-04	<3.74E-04	<7.02E-04	<7.33E-04	<4.67E-04	<7.64E-04	<4.83E-04	<5.92E-04	<7.02E-04	<5.93E-04	<5.93E-04	<7.02E-04	<7.02E-04	<7.64E-04	<6.86E-04	<1.27E-03	<8.57E-04	<9.51E-04
T-312		0.00418	0.00216	0.00295	<1.74E-04	0.00043	0.00069	<2.46E-04	<4.61E-04	<4.81E-04	<3.07E-04	<5.03E-04	<3.18E-04	<3.89E-04	<4.61E-04	<3.89E-04	<3.89E-04	<4.61E-04	<4.61E-04	<5.03E-04	<4.51E-04	<8.33E-04	<5.63E-04	<6.25E-04
T-313		0.00452	0.00174	0.00239	<1.49E-04	0.00125	0.00031	<2.10E-04	<3.94E-04	<4.11E-04	<2.62E-04	<4.29E-04	<2.71E-04	<3.32E-04	<3.94E-04	<3.33E-04	<3.33E-04	<3.94E-04	<3.94E-04	<4.29E-04	<3.85E-04	<7.12E-04	<4.81E-04	<5.34E-04
T-314		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.58E-04	<1.92E-04	<3.58E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04
T-401		<1.36E-04	<2.51E-04	<3.07E-04	<1.36E-04	<1.36E-04	<3.64E-04	<1.94E-04	<3.64E-04	<3.80E-04	<2.42E-04	<3.96E-04	<2.51E-04	<3.07E-04	<3.64E-04	<3.07E-04	<3.07E-04	<3.64E-04	<3.64E-04	<3.96E-04	<3.56E-04	<6.59E-04	<4.45E-04	<4.93E-04
T-402		0.00301	<3.95E-04	<4.10E-04	0.00301	<1.84E-04	<4.86E-04	<2.59E-04	<5.06E-04	<3.24E-04	<5.29E-04	<3.35E-04	<4.10E-04	<4.86E-04	<4.10E-04	<4.10E-04	<4.86E-04	<4.86E-04	<5.29E-04	<4.75E-04	<8.79E-04	<5.94E-04	<6.59E-04
T-403		<3.36E-04	<6.17E-04	<7.56E-04	<3.36E-04	<3.36E-04	<8.95E-04	<4.77E-04	<8.95E-04	<9.35E-04	<5.96E-04	<9.74E-04	<6.17E-04	<7.56E-04	<8.95E-04	<7.56E-04	<7.56E-04	<8.95E-04	<8.95E-04	<9.74E-04	<8.75E-04	<1.62E-03	<1.09E-03	<1.21E-03
T-404		0.00112	<3.20E-04	<3.93E-04	0.00112	<1.79E-04	<4.65E-04	<2.48E-04	<4.65E-04	<4.85E-04	<3.10E-04	<5.06E-04	<3.20E-04	<3.93E-04	<4.65E-04	<3.93E-04	<3.93E-04	<4.65E-04	<4.65E-04	<5.06E-04	<4.54E-04	<8.40E-04	<5.68E-04	<6.30E-04
T-405		<1.73E-04	<3.19E-04	<3.89E-04	<1.73E-04	<1.73E-04	<4.59E-04	<2.45E-04	<4.59E-04	<4.79E-04	<3.06E-04	<4.99E-04	<3.19E-04	<3.87E-04	<4.59E-04	<3.89E-04	<3.89E-04	<4.59E-04	<4.59E-04	<5.00E-04	<4.49E-04	<8.30E-04	<5.61E-04	<6.22E-04
T-406		<1.75E-04	<3.20E-04	<3.92E-04	<1.75E-04	<1.75E-04	<4.64E-04	<2.47E-04	<4.64E-04	<4.84E-04	<3.09E-04	<5.05E-04	<3.20E-04	<3.92E-04	<4.64E-04	<3.92E-04	<3.92E-04	<4.64E-04	<4.64E-04	<5.05E-04	<4.53E-04	<8.36E-04	<5.67E-04	<6.29E-04
T-407		<2.71E-04	<4.92E-04	<6.05E-04	<2.71E-04	<2.71E-04	<7.16E-04	<3.82E-04	<7.16E-04	<7.48E-04	<4.77E-04	<7.79E-04	<4.92E-04	<6.05E-04	<7.16E-04	<6.05E-04	<6.05E-04	<7.16E-04	<7.16E-04	<7.79E-04	<7.00E-04	<1.29E-03	<8.75E-04	<9.71E-04
T-408		<1.34E-04	<2.44E-04	<2.99E-04	<1.34E-04	<1.34E-04	<3.54E-04	<1.89E-04	<3.54E-04	<3.70E-04	<2.36E-04	<3.86E-04	<2.44E-04	<2.99E-04	<3.54E-04	<2.99E-04	<2.99E-04	<3.54E-04	<3.54E-04	<3.86E-04	<3.47E-04	<6.41E-04	<4.33E-04	<4.80E-04
T-409		<1.60E-04	<2.91E-04	<3.57E-04	<1.60E-04	<1.60E-04	<4.22E-04	<2.25E-04	<4.22E-04	<4.41E-04	<2.81E-04	<4.60E-04	<2.91E-04	<3.56E-04	<4.22E-04	<3.57E-04	<3.57E-04	<4.22E-04	<4.22E-04	<4.60E-04	<4.13E-04	<7.63E-04	<5.16E-04	<5.72E-04
T-410		<1.66E-04	<3.02E-04	<4.44E-04	<1.66E-04	<1.66E-04	<5.26E-04	<2.80E-04	<5.26E-04	<5.49E-04	<3.50E-04	<5.72E-04	<3.02E-04	<4.44E-04	<5.26E-04	<4.44E-04	<4.44E-04	<5.26E-04	<5.26E-04	<5.72E-04	<5.14E-04	<9.50E-04	<6.42E-04	<7.13E-04
T-411		0.01583	0.02846	<5.67E-04	<2.54E-04	<2.54E-04	<6.71E-04	<3.58E-04	<6.71E-04	<7.01E-04	<4.47E-04	<7.31E-04	<4.63E-04	<5.67E-04	<6.71E-04	<5.67E-04	<5.67E-04	<6.71E-04	<6.71E-04	<7.31E-04	<6.56E-04	<1.21E-03	<8.20E-04	<9.10E-04
T-412		0.00677	0.01696	0.01481	0.00314	0.00607	0.01370	0.00502	0.00318	0.00304	0.00277	0.00196	<2.36E-04	<2.92E-04	<3.46E-04	<2.92E-04	<2.92E-04	<3.46E-04	<3.46E-04	<3.77E-04	<3.39E-04	<6.26E-04	<4.23E-04	<4.69E-04
T-413		0.04008	0.01841	0.01680	0.00345	0.00690	0.01509	0.00590	0.00360	0.00304	0.00095	<3.77E-04	<2.36E-04	<2.92E-04	<3.46E-04	<2.92E-04	<2.92E-04	<3.46E-04	<3.46E-04	<3.77E-04	<3.39E-04	<6.26E-04	<4.23E-04	<4.69E-04
T-414		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.58E-04	<1.92E-04	<3.58E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04
T-501		<9.31E-04	<1.70E-03	<2.06E-03	<9.31E-04	<9.31E-04	<2.46E-03	<1.31E-03	<2.46E-03	<2.57E-03	<1.64E-03	<2.68E-03	<1.70E-03	<2.06E-03	<2.46E-03	<2.06E-03	<2.06E-03	<2.46E-03	<2.46E-03	<2.68E-03	<2.41E-03	<4.46E-03	<3.01E-03	<3.34E-03
T-502		0.00065	<4.96E-04	<6.08E-04	0.00065	<2.72E-04	<7.20E-04	<3.84E-04	<7.20E-04	<7.52E-04	<4.80E-04	<7.84E-04	<4.96E-04	<6.08E-04	<7.20E-04	<6.08E-04	<6.08E-04	<7.20E-04	<7.20E-04	<7.84E-04	<7.04E-04	<1.30E-03	<8.80E-04	<9.76E-04
T-503		<5.35E-04	<9.75E-04	<1.20E-03	<5.35E-04	<5.35E-04	<1.42E-03	<7.55E-04	<1.42E-03	<1.48E-03	<9.43E-04	<1.54E-03	<9.75E-04	<1.19E-03	<1.42E-03	<1.20E-03	<1.20E-03	<1.42E-03	<1.42E-03	<1.54E-03	<1.36E-03	<2.56E-03	<1.73E-03	<1.92E-03
T-504		0.00125	<5.19E-04	<6.36E-04	0.00125	<2.84E-04	<7.53E-04	<4.02E-04	<7.53E-04	<7.86E-04	<5.02E-04	<8.19E-04	<5.19E-04	<6.36E-04	<7.53E-04	<6.36E-04	<6.36E-04	<7.53E-04	<7.53E-04	<8.20E-04	<7.36E-04	<1.36E-03	<9.20E-04	<1.02E-03
T-505		0.00058	<3.45E-04	<4.23E-04	0.00058	<1.89E-04	<5.00E-04	<2.67E-04	<5.00E-04	<5.23E-04	<3.33E-04	<5.45E-04	<3.45E-04	<4.23E-04	<5.00E-04	<4.23E-04	<4.23E-04	<5.01E-04	<5.00E-04	<5.45E-04	<4.89E-04	<9.05E-04	<6.11E-04	<6.78E-04
T-506		0.00055	<3.11E-04	<3.81E-04	0.00055	<1.70E-04	<4.51E-04	<2.41E-04	<4.51E-04	<4.71E-04	<3.01E-04	<4.91E-04	<3.11E-04	<3.81E-04	<4.51E-04	<3.81E-04	<3.81E-04	<4.51E-04	<4.51E-04	<4.91E-04	<4.41E-04	<8.16E-04	<5.51E-04	<6.12E-04
T-507		<1.37E-04	<2.50E-04	<3.06E-04	<1.37E-04	<1.37E-04	<3.63E-04	<1.93E-04	<3.63E-04	<3.79E-04	<2.42E-04	<3.95E-04	<2.50E-04	<3.06E-04	<3.63E-04	<3.06E-04	<3.06E-04	<3.63E-04	<3.63E-04	<3.95E-04	<3.54E-04	<6.55E-04	<4.43E-04	<4.91E-04
T-508		<1.66E-04	<3.43E-04	<4.20E-04	<1.66E-04	<1.66E-04	<4.96E-04	<2.65E-04	<4.96E-04	<5.20E-04	<3.32E-04	<5.42E-04	<3.43E-04	<4.20E-04	<4.96E-04	<4.20E-04	<4.20E-04	<4.96E-04	<4.96E-04	<5.42E-04	<4.87E-04	<9.00E-04	<6.08E-04	<6.75E-04
T-509		<1.35E-04	<2.46E-04	<3.01E-04	<1.35E-04	<1.35E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.88E-04	<2.46E-04	<3.01E-04	<3.56E-04	<3.01E-04	<3.01E-04	<3.56E-04	<3.56E-04	<3.88E-04	<3.48E-04	<6.44E-04	<4.35E-04	<4.83E-04
T-510		<1.62E-04	<2.96E-04	<3.63E-04	<1.62E-04	<1.62E-04	<4.29E-04	<2.29E-04	<4.29E-04	<4.49E-04	<2.86E-04	<4.67E-04	<2.96E-04	<3.62E-04	<4.29E-04	<3.63E-04	<3.63E-04	<4.29E-04	<4.29E-04	<4.67E-04	<4.20E-04	<7.76E-04	<5.25E-04	<5.82E-04
T-511		<1.35E-04	<2.47E-04	<3.03E-04	<1.35E-04	<1.35E-04	<3.58E-04	<1.91E-04	<3.58E-04	<3.74E-04	<2.39E-04	<3.90E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.90E-04	<3.50E-04	<6.48E-04	<4.38E-04	<4.86E-04
T-512		<4.19E-04	<7.84E-04	<9.57E-04	<4.19E-04	<4.19E-04	<1.11E-03	<5.93E-04	<1.11E-03	<1.16E-03	<7.39E-04	<1.21E-03	<7.84E-04	<9.36E-04	<1.11E-03	<9.57E-04	<9.57E-04	<1.11E-03	<1.11E-03	<1.21E-03	<1.08E-03	<2.01E-03	<1.36E-03	<1.50E-03
T-513		<3.96E-04	<7.23E-04	<8.86E-04	<3.96E-04	<3.96E-04	<1.05E-03	<5.60E-04	<1.05E-03	<1.10E-03	<6.99E-04	<1.14E-03	<7.23E-04	<8.86E-04	<1.05E-03	<8.86E-04	<8.86E-04	<1.05E-03	<1.05E-03	<1.14E-03	<1.03E-03	<1.90E-03	<1.28E-03	<1.42E-03
T-514		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.58E-04	<1.92E-04	<3.58E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04	<3.03E-04	<3.58E-04	<3.58E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04

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 m^2. 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.

		Rep	Distribución de las Celdas			
Categoría	**Sub conjunto**	**Celda**	**Bajo**	**Medio**	**Alto**	**Máx.**
Zona de Excesos		231	29%	34%	37%	0.003%
Zona Reactiva	Alto	96	82%	15%	3%	0.003%
Zona Reactiva	Medio	197	76%	12%	12%	0.003%
Zona Reactiva	Medio	194	29%	36%	32%	0.003%
Zona Reactiva	Bajo	83	56%	16%	28%	0.003%
Membrana	Alto	169	28%	28%	28%	16.667%
Membrana	Bajo	207	21%	29%	50%	0.003%
Resistencia de la interfaz	Alto	209	61%	25%	14%	0.003%
Resistencia de la interfaz	Medio	76	62%	27%	12%	0.003%
Resistencia de la interfaz	Medio	78	75%	14%	11%	0.003%
Resistencia de la interfaz	Bajo	211	65%	23%	13%	0.003%
Zona No Reactiva	Alto	243	52%	21%	27%	0.003%
Zona No Reactiva	Medio	217	65%	26%	10%	0.003%
Zona No Reactiva	Medio	248	42%	19%	31%	7.692%
Zona No Reactiva	Bajo	111	28%	28%	28%	17%

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 m^2, 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.

Metano													
74-82-8													
Modelo de Cálculo de Alta Resolución													
		Rep		**Flujo (mg/m²- min)**					**Rep. del Área**		**Emisiones**		
Categoría	**Sub conjunto**	**Celda**	**M?**	**Bajo**	**Medio**	**Alto**	**Máx.**	**Promedio Ponderado**	**(pies²)**	**(m²)**	**(mg/min.)**	**(lb./yardas)**	**(TPY)**
Zona de Excesos		87		0.03236	<8.98E-03	2.93001	11.39461	<1.09E+00	925,950	86,024	<9.40E+04	<1.09E+05	<5.44E+01
Zona Reactiva	Alto	213		0.01641	0.17917	40.49248	243.99430	1.23875	158,135	14,691	18198.7	21,087	10.544
Zona Reactiva	Medio	197		0.03869	0.70734	0.49079	11.12661	0.17490	282,120	26,210	41093.2	47,616	24
Zona Reactiva	Medio	195		0.40572	0.03303	8.74351	697.96535	2.96081					
Zona Reactiva	Bajo	149		11.57503	73.91649	37.04961	406.36507	28.69575	470,437	43,705	1254148.5	1,453,220	726.610
Membrana	Alto	204	M	0.03491	14.49822	<8.01E-03	0.17397	<4.07E+00	745,892	69,296	<2.82E+05	<3.27E+05	<1.63E+02
Membrana	Bajo	183	M	0.09057	0.08004	0.01904	0.09005	0.05174	1,408,075	130,814	6768.0	7,842	3.921
Resistencia de la interfaz	Alto	75		0.01885	<8.82E-03	0.04237	0.03039	<1.97E-02	152,096	14,130	<2.78E+02	<3.23E+02	<1.61E-01
Resistencia de la interfaz	Medio	158		<9.82E-03	<9.30E-03	0.11860	1.60713	<2.23E-02	282,777	26,271	<1.60E+04	<1.85E+04	<9.24E+00
Resistencia de la interfaz	Medio	211	P	<8.94E-03	0.05785	10.96470	83.83779	<1.19E+00					
Resistencia de la interfaz	Bajo	76	P	0.04045	0.09318	0.04152	0.14897	0.05245	542,044	50,358	2641.3	3,061	1.530
Zona No Reactiva	Alto	232		0.08419	7.82547	84.53641	381.79006	24.77111	1,271,594	118,135	2926333.9	3,390,831	1,695.416
Zona No Reactiva	Medio	131		0.90940	2.20156	2.51797	0.88794	1.39856	2,614,524	242,897	481069.2	557,429	278.715
Zona No Reactiva	Medio	86		0.05308	0.03752	2.74851	21.93314	2.56253					
Zona No Reactiva	Bajo	133		0.02221	0.02690	0.11749	0.04386	0.05352	4,051,650	376,411	20146.0	23,344	11.672
Área No SEM								<4.29E+00	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<5.14E+06**	**<5.96E+06**	**<2.98E+03**
													(TPY)
										Zona de Excesos			<5.44E+01
										Zona Reactiva			761
										Membrana			<1.67E+02
										Resistencia de la interfaz			<1.09E+01
										Zona No Reactiva			1,986
										Flujo Promedio (mg/m2-min)			<4.29E+00
										Flujo en la Zona Reactiva (mg/m2-m)			4
										Flujo en la Zona No Reactiva (mg/m2-m)			5
										Flujo en la Membrana (mg/m2- min)			<1.44E+00
										Flujo en la Interfaz (mg/m2-min)			<2.08E-01
Modelo de Cálculo de Legado													
		Rep		**Flujo (mg/m²- min)**					**Rep. del Área**		**Emisiones**		
Categoría	**Sub conjunto**	**Celda**	**M?**	**Bajo**	**Medio**	**Alto**	**Máx.**	**Promedio Ponderado**	**(pies²)**	**(m²)**	**(mg/min.)**	**(lb./yardas)**	**(TPY)**
Zona de Excesos		87		0.0324	<8.98E-03	2.9300	11.3946	<1.09E+00	925,950	86,024	<9.40E+04	<1.09E+05	<5.44E+01
Zona Reactiva	Alto	75		0.0349	14.4982	<8.01E-03	0.1740	<4.07E+00	781,464	72,600	<2.95E+05	<3.42E+05	<1.71E+02
Zona Reactiva	Medio	204		0.4057	0.0330	8.7435	697.9653	2.9608	1,308,062	121,523	190,531	220,774	110.39
Zona Reactiva	Medio	158		0.0387	0.7073	0.4908	11.1266	0.1749					
Zona Reactiva	Bajo	76		11.5750	73.9165	37.0496	406.3651	28.6957	1,952,050	181,351	5204014	6,030,048	3,015.02
Zona No Reactiva	Alto	232		0.0842	7.8255	84.5364	381.7901	24.7711	1,271,594	118,135	2926334	3,390,831	1,695.42
Zona No Reactiva	Medio	131		0.9094	2.2016	2.5180	0.8879	1.3986	2,614,524	242,897	481069	557,429	278.71
Zona No Reactiva	Medio	86		0.0531	0.0375	2.7485	21.9331	2.5625					
Zona No Reactiva	Bajo	133		0.0222	0.0269	0.1175	0.0439	0.0535	4,051,650	376,411	20146	23,344	11.67
Área No SEM								<7.68E+00	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.21E+06**	**<1.07E+07**	**<5.34E+03**
										Zona de Excesos			<5.44E+01
										Zona Reactiva			3,297
										Zona No Reactiva			1,986
										Flujo Promedio (mg/m2-min)			<7.68E+00
										Flujo en la Membrana (mg/m2- min)			NA

(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 solician, 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.

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 (TNMHC-C1)		Benceno	n-propilbenceno	1,2,4-Trimetilbenceno	Etilbenceno	3-Etiltolueno		Azufre Total Reducido	Disulfuro de Dimetilo	Ácido Sulfhídrico	Metilmercaptano
Zona de Excesos		Toneladas Por Año	4,418	<5.44E+01	0.15		<4.82E-03	<1.05E-02	<4.95E-03	<3.75E-03	<3.78E-03		<1.20E-02	<2.20E-02	<1.20E-02	<1.70E-02
Zona Reactiva	Alto	Toneladas Por Año	296	11	0.05		<4.06E-04	<4.44E-04	<4.46E-04	<4.35E-04	<4.61E-04		<1.14E-03	<2.09E-03	<1.14E-03	<1.61E-03
Zona Reactiva	Medio	Toneladas Por Año	<9.37E+02	24	<5.25E-02		<9.94E-04	<1.02E-03	<1.02E-03	<1.02E-03	<1.02E-03		<3.25E-03	<5.93E-03	<3.25E-03	<4.59E-03
Zona Reactiva	Bajo	Toneladas Por Año	2,177	727	0.14		<1.05E-03	<4.09E-03	<1.08E-03	<1.87E-03	<2.99E-03		<3.43E-03	<6.26E-03	<3.43E-03	<4.85E-03
Membrana	Alto	Toneladas Por Año	<1.41E+03	<1.63E+02	0.99		<6.43E-02	<6.95E-02	<5.91E-02	<1.40E-02	<5.23E-03		<7.63E-03	<1.39E-02	<7.63E-03	<1.08E-02
Membrana	Bajo	Toneladas Por Año	<3.77E+02	3.9	0.34		<3.62E-02	<4.59E-03	<4.59E-03	<4.56E-03	<4.59E-03		<2.32E-02	<2.18E-02	<2.32E-02	<1.69E-02
Resistencia de la interfaz	Alto	Toneladas Por Año	<3.90E+01	<1.61E-01	<3.50E-02		<3.22E-04	<5.00E-04	<4.85E-04	<3.28E-04	<3.30E-04		<5.19E-03	<1.92E-03	<5.19E-03	<1.49E-03
Resistencia de la interfaz	Medio	Toneladas Por Año	<4.14E+02	<9.24E+00	<4.68E-02		<1.15E-03	<8.30E-04	<8.30E-04	<8.24E-04	<8.29E-04		<2.65E-03	<4.82E-03	<2.65E-03	<3.73E-03
Resistencia de la interfaz	Bajo	Toneladas Por Año	1,108	1.5	<4.10E-02		<1.89E-03	<1.95E-03	<1.94E-03	<1.93E-03	<1.94E-03		<6.19E-03	<1.13E-02	<6.19E-03	<8.74E-03
Zona No Reactiva	Alto	Toneladas Por Año	14,500	1,695	0.78		<4.70E-03	<9.06E-03	<1.32E-02	<5.11E-03	<5.14E-03		<3.00E-01	<5.47E-01	<1.33E-02	<1.87E-02
Zona No Reactiva	Medio	Toneladas Por Año	59,352	279	<1.30E+00		<2.34E-02	<2.43E-02	<2.75E-02	<2.42E-02	<2.43E-02		<7.19E-02	<1.18E-01	<7.19E-02	<9.17E-02
Zona No Reactiva	Bajo	Toneladas Por Año	<7.13E+03	12	<4.64E-01		<1.68E-02	<1.72E-02	<1.72E-02	<1.71E-02	<1.72E-02		<2.52E-01	<8.44E-02	<2.52E-01	<6.53E-02
Área No SEM		Toneladas Por Año	0	0	0		0	0	0	0	0		0.00	0.00	0.00	0.00
Total		Toneladas Por Año	**<9.22E+04**	**<2.98E+03**	**<4.39E+00**		**<1.56E-01**	**<1.44E-01**	**<1.32E-01**	**<7.51E-02**	**<6.79E-02**		**<6.89E-01**	**<8.40E-01**	**<4.02E-01**	**<2.45E-01**
Zona de Excesos		Toneladas Por Año	4,418	<5.44E+01	0.15		<4.82E-03	<1.05E-02	<4.95E-03	<3.75E-03	<3.78E-03		<1.20E-02	<2.20E-02	<1.20E-02	<1.70E-02
Zona Reactiva		Toneladas Por Año	<3.41E+03	761	<2.41E-01		<2.45E-03	<5.56E-03	<2.55E-03	<3.32E-03	<4.47E-03		<7.83E-03	<1.43E-02	<7.83E-03	<1.10E-02
Membrana		Toneladas Por Año	<1.78E+03	<1.67E+02	1.33		<1.01E-01	<7.41E-02	<6.36E-02	<1.86E-02	<9.81E-03		<3.09E-02	<3.57E-02	<3.09E-02	<2.76E-02
Resistencia de la interfaz		Toneladas Por Año	<1.56E+03	<1.09E+01	<1.23E-01		<3.36E-03	<3.28E-03	<3.26E-03	<3.08E-03	<3.10E-03		<1.40E-02	<1.80E-02	<1.40E-02	<1.40E-02
Zona No Reactiva		Toneladas Por Año	<8.10E+04	1,986	<2.55E+00		<4.49E-02	<5.06E-02	<5.80E-02	<4.64E-02	<4.67E-02		<6.24E-01	<7.50E-01	<3.37E-01	<1.76E-01
Flujo Promedio (mg/m2-min)		mg/m2-min.	<1.33E+02	<4.29E+00	<6.32E-03		<2.25E-04	<2.07E-04	<1.91E-04	<1.08E-04	<9.77E-05		<9.92E-04	<1.21E-03	<5.79E-04	<3.53E-04
Flujo en la Zona Reactiva (mg/m2-m)		mg/m2-min.	<4.18E+01	3.7	<6.87E-03		<4.16E-04	<3.49E-04	<2.78E-04	<1.07E-04	<7.91E-05		<2.42E-04	<3.36E-04	<2.42E-04	<2.60E-04
Flujo en la Zona No Reactiva (mg/m2-m)		mg/m2-min.	<1.90E+02	4.6	<5.97E-03		<1.05E-04	<1.18E-04	<1.36E-04	<1.09E-04	<1.09E-04		<1.46E-03	<1.76E-03	<7.89E-04	<4.11E-04
Flujo en la Membrana (mg/m2- min)		mg/m2-min.	<1.54E+01	<1.44E+00	0.011		<8.67E-04	<6.39E-04	<5.49E-04	<1.60E-04	<8.46E-05		<2.66E-04	<3.08E-04	<2.66E-04	<2.38E-04
Flujo en la Interfaz (mg/m2-min)		mg/m2-min.	<2.97E+01	<2.08E-01	<2.33E-03		<6.40E-05	<6.23E-05	<6.19E-05	<5.86E-05	<5.89E-05		<2.67E-04	<3.43E-04	<2.67E-04	<2.65E-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	Propileno (Laboratorio)	Tricloroeteno (TCE)	Acetona	Metanol	Benceno	Isopropiltolueno	2-Butanona (MEK)	Tetrahidrofurano	Tolueno	Hexano	Propileno (Corregido)	Acroleína	m,p-Xileno	Nonano	Clorobromo	Etilbenceno	o-Xileno	Octano	n-Heptano	Ciclohexano	Clorotano	1,2-Diclorotetano
Zona de Excesos		Toneladas Por Año	<8.26E-02	<3.00E-03	0.12596	0.15849	<6.46E-03	<6.36E-03	<1.68E-03	<2.16E-02	<4.36E-03	<2.01E-03	<9.82E-04	<1.31E-03	<2.48E-03	<2.99E-03	<1.44E-03	<2.48E-03	<2.48E-03	<2.66E-03	<2.34E-03	<1.01E-03	<1.50E-03	<1.19E-03
Zona Reactiva	Alto	Toneladas Por Año	<3.25E-02	<1.49E-03	0.00982	0.01716	<6.13E-04	<6.04E-04	<2.54E-03	<8.23E-05	<4.27E-04	<1.91E-04	<9.99E-03	<3.17E-03	<2.35E-04	<2.84E-04	<1.36E-04	<2.35E-04	<2.35E-04	<2.53E-04	<2.22E-04	<9.62E-05	<1.43E-04	<1.13E-04
Zona Reactiva	Medio	Toneladas Por Año	<2.33E-02	<1.21E-03	<1.62E-02	0.01956	<1.74E-03	<1.72E-03	<1.58E-03	<2.34E-04	<1.30E-03	<5.43E-04	<2.68E-04	<5.80E-04	<6.70E-04	<8.09E-04	<3.89E-04	<6.69E-04	<6.70E-04	<7.19E-04	<6.31E-04	<2.74E-04	<4.06E-04	<3.21E-04
Zona Reactiva	Bajo	Toneladas Por Año	0.02140	<1.06E-03	<9.58E-03	<2.41E-03	<1.84E-03	<1.81E-03	<4.79E-04	<2.47E-04	<1.71E-03	<5.73E-04	<3.12E-03	<3.12E-03	<7.06E-04	<8.53E-04	<9.76E-03	<7.06E-04	<7.06E-04	<7.59E-04	<1.44E-03	<2.04E-03	<4.29E-04	<3.39E-04
Membrana	Alto	Toneladas Por Año	0.03840	<1.03E-01	0.04388	<1.60E-02	0.05316	<2.62E-02	0.01442	<6.52E-02	<1.23E-02	<1.60E-03	<1.27E-02	<1.40E-03	<1.20E-02	<5.23E-03	<1.10E-03	<7.50E-03	<5.43E-03	<2.12E-03	<6.28E-03	<3.73E-03	<1.20E-03	<1.28E-03
Membrana	Bajo	Toneladas Por Año	0.08248	<1.74E-01	0.02172	<4.58E-03	0.04853	<1.30E-02	<2.06E-03	<1.05E-03	<9.82E-03	<2.46E-03	<3.96E-03	<1.60E-03	<7.07E-03	<3.66E-03	<1.73E-03	<4.36E-03	<3.03E-03	<3.26E-03	<2.86E-03	<1.22E-03	<1.84E-03	<1.44E-03
Resistencia de la interfaz	Alto	Toneladas Por Año	<1.93E-02	<9.83E-04	<2.43E-03	<3.30E-04	<5.65E-04	<5.56E-04	<1.47E-04	<7.57E-05	<3.81E-04	<1.76E-04	<8.71E-04	<1.14E-04	<2.17E-04	<2.62E-04	<1.25E-04	<2.17E-04	<2.17E-04	<2.33E-04	<2.04E-04	<8.84E-05	<1.32E-04	<1.04E-04
Resistencia de la interfaz	Medio	Toneladas Por Año	<3.54E-02	<2.22E-03	<6.51E-03	<1.22E-03	<1.42E-03	<1.40E-03	<3.69E-04	<1.90E-04	<9.58E-04	<4.42E-04	<5.44E-04	<2.87E-04	<5.44E-04	<6.57E-04	<2.25E-03	<5.44E-04	<5.44E-04	<5.85E-04	<5.13E-04	<2.23E-04	<3.30E-04	<2.61E-04
Resistencia de la interfaz	Bajo	Toneladas Por Año	<5.74E-02	<3.78E-03	0.02079	<1.11E-02	<3.32E-03	<3.27E-03	<9.90E-03	<4.45E-04	<2.24E-03	<1.03E-03	<5.04E-04	<6.72E-04	<1.27E-03	<1.54E-03	<7.37E-04	<1.27E-03	<1.27E-03	<1.37E-03	<1.20E-03	<5.20E-04	<7.73E-04	<6.11E-04
Zona No Reactiva	Alto	Toneladas Por Año	0.08412	0.17260	0.09159	0.04631	<1.23E-02	<8.60E-03	0.01275	<1.19E-03	<5.93E-03	<5.46E-03	0.01774	<1.07E-02	<3.39E-03	<4.09E-03	<1.06E-02	<3.39E-03	<3.39E-03	<3.65E-03	<3.21E-03	<1.39E-03	<2.06E-03	<1.62E-03
Zona No Reactiva	Medio	Toneladas Por Año	0.23259	<1.78E-01	0.22853	<4.56E-02	<4.15E-02	<4.63E-02	<8.18E-02	<2.76E-02	<4.91E-02	<1.51E-02	<2.33E-02	<4.26E-02	<1.62E-02	<1.95E-02	<1.89E-02	<1.62E-02	<1.62E-02	<1.74E-02	<1.53E-02	<1.24E-02	<9.82E-03	<7.58E-03
Zona No Reactiva	Bajo	Toneladas Por Año	<1.86E-01	<4.32E-01	0.11039	<1.72E-02	<2.94E-02	<2.88E-02	<7.80E-03	<3.92E-03	<1.98E-02	<5.99E-02	<4.55E-03	<6.07E-03	<1.15E-02	<1.39E-02	<6.48E-03	<1.15E-02	<1.15E-02	<1.24E-02	<1.08E-02	<4.57E-03	<6.98E-03	<5.38E-03
Área No SEM		Toneladas Por Año	0	0	0	0	0	0	0	0	0	0	0.00000	0	0	0	0	0	0	0	0	0	0	0
Total		Toneladas Por Año	**<8.96E-01**	**<1.07E+00**	**<6.87E-01**	**<3.40E-01**	**<2.01E-01**	**<1.38E-01**	**<1.36E-01**	**<1.22E-01**	**<1.08E-01**	**<8.95E-02**	**<7.86E-02**	**<7.17E-02**	**<5.62E-02**	**<5.38E-02**	**<5.36E-02**	**<4.90E-02**	**<4.56E-02**	**<4.54E-02**	**<4.50E-02**	**<2.76E-02**	**<2.56E-02**	**<2.02E-02**
Zona de Excesos		Toneladas Por Año	<8.26E-02	<3.00E-03	0.1260	0.1585	<6.46E-03	<6.36E-03	<1.68E-03	<2.16E-02	<4.36E-03	<2.01E-03	<9.82E-04	<1.31E-03	<2.48E-03	<2.99E-03	<1.44E-03	<2.48E-03	<2.48E-03	<2.66E-03	<2.34E-03	<1.01E-03	<1.50E-03	<1.19E-03
Zona Reactiva		Toneladas Por Año	<7.72E-02	<3.76E-03	<3.56E-02	<3.91E-02	<4.20E-03	<4.13E-03	<4.60E-03	<5.63E-04	<3.43E-03	<1.31E-03	<1.34E-02	<6.88E-03	<1.61E-03	<1.95E-03	<1.03E-02	<1.61E-03	<1.61E-03	<1.73E-03	<2.29E-03	<2.41E-03	<9.78E-04	<7.73E-04
Membrana		Toneladas Por Año	0.1209	<2.76E-01	0.0656	<2.05E-02	0.1017	<3.91E-02	<1.65E-02	<6.63E-02	<2.21E-02	<4.06E-03	<1.66E-02	<3.00E-03	<1.91E-02	<8.89E-03	<2.83E-03	<1.19E-02	<8.46E-03	<5.38E-03	<9.13E-03	<4.95E-03	<3.04E-03	<2.71E-03
Resistencia de la interfaz		Toneladas Por Año	<1.12E-01	<6.98E-03	<2.97E-02	<1.27E-02	<5.30E-03	<5.22E-03	<1.04E-02	<7.11E-04	<3.58E-03	<1.65E-03	<1.92E-03	<1.07E-03	<2.03E-03	<2.46E-03	<3.11E-03	<2.03E-03	<2.03E-03	<2.19E-03	<1.92E-03	<8.31E-04	<1.23E-03	<9.76E-04
Zona No Reactiva		Toneladas Por Año	<5.03E-01	<7.83E-01	0.4305	<1.09E-01	<8.33E-02	<8.36E-02	<1.02E-01	<3.27E-02	<7.48E-02	<8.05E-02	<4.56E-02	<5.94E-02	<3.11E-02	<3.75E-02	<3.60E-02	<3.11E-02	<3.11E-02	<3.34E-02	<2.93E-02	<1.84E-02	<1.89E-02	<1.46E-02
Flujo Promedio (mg/m2-min)		mg/m2-min.	<1.29E-03	<1.54E-03	<9.90E-04	<4.89E-04	<2.89E-04	<1.99E-04	<1.95E-04	<1.76E-04	<1.56E-04	<1.29E-04	<1.13E-04	<1.03E-04	<8.10E-05	<7.75E-05	<7.72E-05	<7.06E-05	<6.57E-05	<6.53E-05	<6.48E-05	<3.97E-05	<3.69E-05	<2.91E-05
Flujo en la Zona Reactiva (mg/m2-m)		mg/m2-min.	<1.47E-03	<1.09E-03	<9.61E-04	<8.63E-04	<4.40E-04	<2.05E-04	<1.24E-04	<3.34E-04	<1.25E-04	<3.38E-05	<1.23E-04	<4.59E-05	<9.42E-05	<6.09E-05	<6.60E-05	<6.72E-05	<5.46E-05	<4.47E-05	<5.87E-05	<3.44E-05	<2.53E-05	<2.11E-05
Flujo en la Zona No Reactiva (mg/m2-m)		mg/m2-min.	<1.18E-03	<1.83E-03	0.00100762	<2.55E-04	<1.95E-04	<1.96E-04	<2.40E-04	<7.66E-05	<1.75E-04	<1.88E-04	<1.07E-04	<1.39E-04	<7.27E-05	<8.78E-05	<8.42E-05	<7.27E-05	<7.27E-05	<7.82E-05	<6.86E-05	<4.30E-05	<4.42E-05	<3.41E-05
Flujo en la Membrana (mg/m2- min)		mg/m2-min.	0.00104265	<2.38E-03	0.00056582	<1.77E-04	0.00087711	<3.38E-04	<1.42E-04	<5.72E-04	<1.91E-04	<3.50E-05	<1.44E-04	<2.59E-05	<1.64E-04	<7.67E-05	<2.44E-05	<1.02E-04	<7.30E-05	<4.64E-05	<7.88E-05	<4.27E-05	<2.62E-05	<2.34E-05
Flujo en la Interfaz (mg/m2-min)		mg/m2-min.	<2.13E-03	<1.33E-04	<5.65E-04	<2.41E-04	<1.01E-04	<9.92E-05	<1.98E-04	<1.35E-05	<6.81E-05	<3.14E-05	<3.65E-05	<2.04E-05	<3.87E-05	<4.67E-05	<5.92E-05	<3.87E-05	<3.87E-05	<4.16E-05	<3.65E-05	<1.58E-05	<2.35E-05	<1.86E-05

Nota: Se muestran los resultados del propileno de laboratorio en crudo como referencia. Los valores de propileno corregidos representan las emisiones reales del sitio. Consulte el **Memorandum Técnico de Validación de Datos** para observar la explicación y los detalles completos.

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 (TNMHC-C1)		Benceno	n-propilbenceno	1,2,4-Trimetilbenceno	Etilbenceno	3-Etiltolueno		Azufre Total Reducido	Disulfuro de Dimetilo	Ácido Sulfhídrico	Metilmercaptano
Zona de Excesos		Toneladas Por Año	4,418	<5.44E+01	0.15		<4.82E-03	<1.05E-02	<4.95E-03	<3.75E-03	<3.78E-03		<1.20E-02	<2.20E-02	<1.20E-02	<1.70E-02
Zona Reactiva		Toneladas Por Año	<1.47E+03	<1.71E+02	1.04		<6.74E-02	<7.28E-02	<6.19E-02	<1.47E-02	<5.48E-03		<7.99E-03	<1.46E-02	<7.99E-03	<1.13E-02
Zona Reactiva		Toneladas Por Año	<4.34E+03	110	<2.44E-01		<4.61E-03	<4.73E-03	<4.74E-03	<4.71E-03	<4.73E-03		<1.51E-02	<2.75E-02	<1.51E-02	<2.13E-02
Zona Reactiva		Toneladas Por Año	9,032	3,015	0.56		<4.35E-03	<1.70E-02	<4.48E-03	<7.76E-03	<1.24E-02		<1.42E-02	<2.60E-02	<1.42E-02	<2.01E-02
Zona No Reactiva		Toneladas Por Año	14,500	1,695	0.78		<4.70E-03	<9.06E-03	<1.32E-02	<5.11E-03	<5.14E-03		<3.00E-01	<5.47E-01	<1.33E-02	<1.87E-02
Zona No Reactiva		Toneladas Por Año	59,352	279	<1.30E+00		<2.34E-02	<2.43E-02	<2.75E-02	<2.42E-02	<2.43E-02		<7.19E-02	<1.18E-01	<7.19E-02	<9.17E-02
Zona No Reactiva		Toneladas Por Año	<7.13E+03	12	<4.64E-01		<1.68E-02	<1.72E-02	<1.72E-02	<1.71E-02	<1.72E-02		<2.52E-01	<8.44E-02	<2.52E-01	<6.53E-02
Área No SEM		Toneladas Por Año	0	-	0		0	0	0	0	0		0	0	0	0
Total		Toneladas Por Año	**<1.00E+05**	**<5.34E+03**	**<4.54E+00**		**<1.26E-01**	**<1.56E-01**	**<1.34E-01**	**<7.73E-02**	**<7.31E-02**		**<6.74E-01**	**<8.40E-01**	**<3.87E-01**	**<2.45E-01**
Zona de Excesos		Toneladas Por Año	4,418	<5.44E+01	0.15		<4.82E-03	<1.05E-02	<4.95E-03	<3.75E-03	<3.78E-03		<1.20E-02	<2.20E-02	<1.20E-02	<1.70E-02
Zona Reactiva		Toneladas Por Año	<1.48E+04	3,297	<1.84E+00		<7.63E-02	<9.45E-02	<7.11E-02	<2.71E-02	<2.26E-02		<3.73E-02	<6.80E-02	<3.73E-02	<5.27E-02
Zona No Reactiva		Toneladas Por Año	<8.10E+04	1,986	<2.55E+00		<4.49E-02	<5.06E-02	<5.80E-02	<4.64E-02	<4.67E-02		<6.24E-01	<7.50E-01	<3.37E-01	<1.76E-01
Flujo Promedio (mg/m2-min)		mg/m2-min.	<1.44E+02	<7.68E+00	<6.54E-03		<1.81E-04	<2.24E-04	<1.93E-04	<1.11E-04	<1.05E-04		<9.70E-04	<1.21E-03	<5.57E-04	<3.53E-04
Flujo en la Membrana (mg/m2- min)		mg/m2-min.	NA	NA	NA		NA	NA	NA	NA	NA		NA	NA	NA	NA

Tabla 5.6 Resumen de Emisiones en la Superficie del Sitio, Compuestos de TO-15. Análisis de Datos de Legado

Categoría	Subconjunto	Unidades	Propileno (Laboratorio)	Tricloroeteno (TCE)	Acetona	Metanol	Benceno	Isopropiltolueno	2-Butanona (MEK)	Tetrahidrofurano	Tolueno	Hexano	Propileno (Corregido)	Acroleína	m,p-Xileno	Nonano	Cloroformo	Etilbenceno	o-Xileno	Octano	n-Heptano	Ciclohexano	Cloroetano	1,2-Dicloroetano
Zona de Excesos		Toneladas Por Año	<8.26E-02	<3.00E-03	0.12595753	0.15848851	<6.46E-03	<6.36E-03	<1.68E-03	<2.16E-02	<4.36E-03	<2.01E-03	<9.82E-04	<1.31E-03	<2.48E-03	<2.99E-03	<1.44E-03	<2.48E-03	<2.48E-03	<2.66E-03	<2.34E-03	<1.01E-03	<1.50E-03	<1.19E-03
Zona Reactiva		Toneladas Por Año	0.04022792	<1.08E-01	0.04597251	<1.67E-02	0.05569343	<2.74E-02	0.01511071	<6.83E-02	<1.29E-02	<1.68E-03	<1.33E-02	<1.47E-03	<1.25E-02	<5.48E-03	<1.15E-03	<7.86E-03	<5.69E-03	<2.22E-03	<6.58E-03	<3.91E-03	<1.26E-03	<1.34E-03
Zona Reactiva		Toneladas Por Año	<1.08E-01	<5.60E-03	<7.51E-02	0.09067719	<8.09E-03	<7.96E-03	<7.33E-03	<1.09E-03	<6.02E-03	<2.52E-03	<1.24E-03	<2.69E-03	<3.11E-03	<3.75E-03	<1.80E-03	<3.10E-03	<3.11E-03	<3.34E-03	<2.93E-03	<1.27E-03	<1.88E-03	<1.49E-03
Zona Reactiva		Toneladas Por Año	0.08878263	<4.38E-03	<3.98E-02	<9.98E-03	<7.64E-03	<7.51E-03	<1.99E-03	<1.02E-03	<7.09E-03	<2.38E-03	<1.30E-02	<1.30E-02	<2.93E-03	<3.54E-03	<4.05E-02	<2.93E-03	<2.93E-03	<3.15E-03	<5.98E-03	<8.46E-03	<1.78E-03	<1.41E-03
Zona No Reactiva		Toneladas Por Año	0.0841247	0.17260165	0.09159047	0.04630547	<1.23E-02	<8.60E-03	0.01274791	<1.19E-03	<5.93E-03	<5.46E-03	0.01774144	<1.07E-02	<3.39E-03	<4.09E-03	<1.06E-02	<3.39E-03	<3.39E-03	<3.65E-03	<3.21E-03	<1.39E-03	<2.06E-03	<1.62E-03
Zona No Reactiva		Toneladas Por Año	0.23259154	<1.78E-01	0.22852776	<4.56E-02	<4.15E-02	<4.63E-02	<8.18E-02	<2.76E-02	<4.91E-02	<1.51E-02	<2.33E-02	<4.26E-02	<1.62E-02	<1.95E-02	<1.89E-02	<1.62E-02	<1.62E-02	<1.74E-02	<1.53E-02	<1.24E-02	<9.82E-03	<7.58E-03
Zona No Reactiva		Toneladas Por Año	<1.86E-01	<4.32E-01	0.11038706	<1.72E-02	<2.94E-02	<2.88E-02	<7.80E-03	<3.92E-03	<1.98E-02	<5.99E-02	<4.55E-03	<6.07E-03	<1.15E-02	<1.39E-02	<6.48E-03	<1.15E-02	<1.15E-02	<1.24E-02	<1.08E-02	<4.57E-03	<6.98E-03	<5.38E-03
Área No SEM		Toneladas Por Año	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		Toneladas Por Año	**<8.23E-01**	**<9.03E-01**	**<7.17E-01**	**<3.85E-01**	**<1.61E-01**	**<1.33E-01**	**<1.28E-01**	**<1.25E-01**	**<1.05E-01**	**<8.91E-02**	**<7.41E-02**	**<7.78E-02**	**<5.21E-02**	**<5.33E-02**	**<8.09E-02**	**<4.74E-02**	**<4.53E-02**	**<4.48E-02**	**<4.71E-02**	**<3.30E-02**	**<2.53E-02**	**<2.00E-02**
Zona de Excesos		Toneladas Por Año	<8.26E-02	<3.00E-03	0.12595753	0.15848851	<6.46E-03	<6.36E-03	<1.68E-03	<2.16E-02	<4.36E-03	<2.01E-03	<9.82E-04	<1.31E-03	<2.48E-03	<2.99E-03	<1.44E-03	<2.48E-03	<2.48E-03	<2.66E-03	<2.34E-03	<1.01E-03	<1.50E-03	<1.19E-03
Zona Reactiva		Toneladas Por Año	<2.37E-01	<1.18E-01	<1.61E-01	<1.17E-01	<7.14E-02	<4.29E-02	<2.44E-02	<7.04E-02	<2.60E-02	<6.57E-03	<2.75E-02	<1.71E-02	<1.86E-02	<1.28E-02	<4.34E-02	<1.39E-02	<1.17E-02	<8.71E-03	<1.55E-02	<1.36E-02	<4.92E-03	<4.24E-03
Zona No Reactiva		Toneladas Por Año	<5.03E-01	<7.83E-01	0.43050529	<1.09E-01	<8.33E-02	<8.36E-02	<1.02E-01	<3.27E-02	<7.48E-02	<8.05E-02	<4.56E-02	<5.94E-02	<3.11E-02	<3.75E-02	<3.60E-02	<3.11E-02	<3.11E-02	<3.34E-02	<2.93E-02	<1.84E-02	<1.89E-02	<1.46E-02
Flujo Promedio (mg/m2-min)		mg/m2-min.	<1.18E-03	<1.30E-03	<1.03E-03	<5.54E-04	<2.32E-04	<1.91E-04	<1.85E-04	<1.80E-04	<1.51E-04	<1.28E-04	<1.07E-04	<1.12E-04	<7.50E-05	<7.67E-05	<1.16E-04	<6.83E-05	<6.52E-05	<6.45E-05	<6.79E-05	<4.75E-05	<3.64E-05	<2.88E-05
Flujo en la Membrana (mg/m2- min)		mg/m2-min.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Nota: Se muestran los resultados del propileno de laboratorio en crudo como referencia. Los valores de propileno corregidos representan las emisiones reales del sitio. Consulte el **Memorandum Técnico de Validación de Datos** para observar la explicación y los detalles completos.

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, julio de 2025 y noviembre 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, Quinto y Sexto Evento de Prueba indicaron una reducción sustancial en las emisiones si se lo compara con eventos previos, para la mayoría de los compuesto especiados analizados.
Este 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 especiado, 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.

Durante la Sexta Prueba hubo aumentos en las emisiones de algunos constituyentes, que incluyen dióxido de carbono, metano, VOCs totales y ciertos VOCs individuales. Estos aumentos no fueron inesperados ya que hubo una reducción en la recuperación de gases durante el período de prueba de noviembre de 2025 debido a los impactos de la instalación del revestimiento de EVOH adicional, que hizo que partes del sistema de LFG se sacaran de línea para acomodar el proceso de instalación del revestimiento, como también causó problemas relacionados con el clima. Durante el evento de prueba de julio de 2025, el índice de recuperación de biogás promedio fue de aproximadamente 14,500 pies cúbicos por minuto (cfm). Durante el evento de noviembre de 2025, este índice fue de aproximadamente 14,000 cfm con varios días de prueba individuales donde los índices de recuperación fueron incluso más bajos debido a que los pozos estuvieron fuera de línea, el sistema de biogás estuvo inactivo debido a las condiciones climáticas y hubo un período de inactividad del oxidante térmico (TOX) Parnel.

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 Seis Eventos de Prueba.

		Evento de Prueba					
Compuesto	**Unidades**	**1 (8/23)**	**2 (3/24)**	**3 (11/24)**	**4 (3/25)**	**5 (7/25)**	**6 (11/25)**
Dióxido de carbono	toneladas/año	41,312	327,049	216,177	100,526	46,702	92,157
Metano	toneladas/año	3,357	11,456	6,880	4,756	285	2,979
Total de VOCs	toneladas/año	207	853	61	26	2.6	4.39
Tricloroeteno (TCE)	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	1.07
Sulfuro de Dimetilo	toneladas/año	15.2	57.9	0.9	1.0	ND	0.84
Acetona	toneladas/año	17.64	50.66	1.30	1.38	0.54	0.69
Ácido Sulfhídrico	toneladas/año	0.13	3.81	0.72	0.24	0.15	0.40
Metanol	toneladas/año	9.09	<4	0.51	0.79	0.45	0.34
Benceno	toneladas/año	9.33	104.31	0.27	0.90	0.14	0.20
Isopropiltolueno	toneladas/año	3.72	15.23	0.18	0.51	<0.05	0.14
2-Butanona (MEK)	toneladas/año	9.06	51.20	0.24	0.30	0.07	0.14
Tetrahidrofurano	toneladas/año	13.62	106.99	0.06	0.23	0.01	0.12
Tolueno	toneladas/año	2.00	18.64	0.22	0.29	0.06	0.11
Total de Xilenos	toneladas/año	1.52	9.79	0.30	0.48	0.08	0.10
Hexano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.09
Propileno (Corregido)	toneladas/año	6.62	29.82	0.69	0.41	0.05	0.08
Acroleína	toneladas/año	NA	NA	NA	NA	0.05	0.07
Nonano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.05
Cloroformo	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.05
Etilbenceno	toneladas/año	1.14	10.07	0.16	0.20	0.03	0.05
Octano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.05
n-Heptano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.05
Ciclohexano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.03
Cloroetano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.03
1,2-Dicloroetano	toneladas/año	<0.1	<4	<0.05	<0.05	<0.05	0.02

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 ½ 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. Las emisiones de casi todos los compuestos ahora están siendo impactadas por esta hipótesis de ½ MDL.

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 = MDL/2	ND=0	%ND
Dióxido de carbono	Toneladas Por Año	92,157	91,007	1%
Metano	Toneladas Por Año	2,979	2,979	0%
VOC (TNMHC-C1)	Toneladas Por Año	4.39	4.04	8%
Tricloroeteno (TCE)	Toneladas Por Año	1.073	1.065	1%
Acetona	Toneladas Por Año	0.687	0.686	0%
Metanol	Toneladas Por Año	0.340	0.295	13%
Benceno	Toneladas Por Año	0.201	0.108	46%
Isopropiltolueno	Toneladas Por Año	0.138	0.043	69%
2-Butanona (MEK)	Toneladas Por Año	0.136	0.122	10%
Tetrahidrofurano	Toneladas Por Año	0.122	0.110	10%
Tolueno	Toneladas Por Año	0.108	0.057	48%
Total de Xilenos	Toneladas Por Año	0.102	0.021	80%
Hexano	Toneladas Por Año	0.090	0.063	29%
Propileno (Corregido)	Toneladas Por Año	0.079	0.065	17%
Acroleína	Toneladas Por Año	0.072	0.059	18%
m,p-Xyleno	Toneladas Por Año	0.056	0.017	70%
Nonano	Toneladas Por Año	0.054	0.003	94%
Cloroformo	Toneladas Por Año	0.054	0.032	40%
Etilbenceno	Toneladas Por Año	0.049	0.009	82%
o-Xileno	Toneladas Por Año	0.046	0.004	91%
Octano	Toneladas Por Año	0.045	0.000	100%
n-Heptano	Toneladas Por Año	0.045	0.006	87%
Ciclohexano	Toneladas Por Año	0.028	0.012	57%
Cloroetano	Toneladas Por Año	0.026	0.000	100%
1,2-Dicloroetano	Toneladas Por Año	0.020	0.001	97%
TO-14				
Benceno	Toneladas Por Año	0.156	0.101	35%
n-propilbenceno	Toneladas Por Año	0.144	0.086	41%
1,2,4-Trimetilbenceno	Toneladas Por Año	0.132	0.076	42%
Etilbenceno	Toneladas Por Año	0.075	0.013	83%
3-Etiltolueno	Toneladas Por Año	0.068	0.005	92%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.689	0.550	20%
Sulfuro de Dimetilo	Toneladas Por Año	0.840	0.532	37%
Ácido Sulfhídrico	Toneladas Por Año	0.402	0.258	36%
Metilmercaptano	Toneladas Por Año	0.245	0.000	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 3,078,294 pies^2 de una superficie total de 12,900,697 pies^2 o el 23.9% 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 varios de estos compuestos, como se muestra arriba, están dominados sin detecciones, lo que significa que las emisiones masivas informadas de estos constituyentes son dominadas 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. Por lo tanto, se incita a tener precaución con las conclusiones sacadas para esos compuestos.

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

Compuesto	Unidades	Total en el Sitio Emisiones	Membrana Emisiones	% Membrana
Dióxido de carbono	Toneladas Por Año	92,157	1,783	2%
Metano	Toneladas Por Año	2,979	167	6%
VOC (TNMHC-C1)	Toneladas Por Año	4.39	1.33	30%
Tricloroeteno (TCE)	Toneladas Por Año	1.073	0.276	26%
Acetona	Toneladas Por Año	0.687	0.066	10%
Metanol	Toneladas Por Año	0.340	0.021	6%
Benceno	Toneladas Por Año	0.201	0.102	51%
Isopropiltolueno	Toneladas Por Año	0.138	0.039	28%
2-Butanona (MEK)	Toneladas Por Año	0.136	0.016	12%
Tetrahidrofurano	Toneladas Por Año	0.122	0.066	54%
Tolueno	Toneladas Por Año	0.108	0.022	20%
Total de Xilenos	Toneladas Por Año	0.102	0.028	27%
Hexano	Toneladas Por Año	0.090	0.004	5%
Propileno (Corregido)	Toneladas Por Año	0.079	0.017	21%
Acroleína	Toneladas Por Año	0.072	0.003	4%
m,p-Xyleno	Toneladas Por Año	0.056	0.019	34%
Nonano	Toneladas Por Año	0.054	0.009	17%
Cloroformo	Toneladas Por Año	0.054	0.003	5%
Etilbenceno	Toneladas Por Año	0.049	0.012	24%
o-Xileno	Toneladas Por Año	0.046	0.008	19%
Octano	Toneladas Por Año	0.045	0.005	12%
n-Heptano	Toneladas Por Año	0.045	0.009	20%
Ciclohexano	Toneladas Por Año	0.028	0.005	18%
Cloroetano	Toneladas Por Año	0.026	0.003	12%
1,2-Dicloroetano	Toneladas Por Año	0.020	0.003	13%
TO-14				
Benceno	Toneladas Por Año	0.156	0.101	64%
n-propilbenceno	Toneladas Por Año	0.144	0.074	51%
1,2,4-Trimetilbenceno	Toneladas Por Año	0.132	0.064	48%
Etilbenceno	Toneladas Por Año	0.075	0.019	25%
3-Etiltolueno	Toneladas Por Año	0.068	0.010	14%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.689	0.031	4%
Sulfuro de Dimetilo	Toneladas Por Año	0.840	0.036	4%
Ácido Sulfhídrico	Toneladas Por Año	0.402	0.031	8%
Metilmercaptano	Toneladas Por Año	0.245	0.028	11%

Toma de Muestras/Alcance de los Cálculos/Metodología

El alcance del muestreo aumentó drásticamente para este evento, al igual que para el Quinto 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 las emisiones de metano fueron significativamente diferentes. 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	Alta Resolución Alcance	Legacy Alcance	RPD
Dióxido de carbono	Toneladas Por Año	92,157	100,252	8%
Metano	Toneladas Por Año	2,979	5,337	57%
VOC (TNMHC-C1)	Toneladas Por Año	4.39	4.54	3%
Tricloroeteno (TCE)	Toneladas Por Año	1.073	0.903	-17%
Acetona	Toneladas Por Año	0.687	0.717	4%
Metanol	Toneladas Por Año	0.340	0.385	12%
Benceno	Toneladas Por Año	0.201	0.161	-22%
Isopropiltolueno	Toneladas Por Año	0.138	0.133	-4%
2-Butanona (MEK)	Toneladas Por Año	0.136	0.128	-5%
Tetrahidrofurano	Toneladas Por Año	0.122	0.125	2%
Tolueno	Toneladas Por Año	0.108	0.105	-3%
Total de Xilenos	Toneladas Por Año	0.102	0.097	-5%
Hexano	Toneladas Por Año	0.090	0.089	0%
Propileno (Corregido)	Toneladas Por Año	0.079	0.074	-6%
Acroleína	Toneladas Por Año	0.072	0.078	8%
m,p-Xyleno	Toneladas Por Año	0.056	0.052	-8%
Nonano	Toneladas Por Año	0.054	0.053	-1%
Cloroformo	Toneladas Por Año	0.054	0.081	40%
Etilbenceno	Toneladas Por Año	0.049	0.047	-3%
o-Xileno	Toneladas Por Año	0.046	0.045	-1%
Octano	Toneladas Por Año	0.045	0.045	-1%
n-Heptano	Toneladas Por Año	0.045	0.047	5%
Ciclohexano	Toneladas Por Año	0.028	0.033	18%
Cloroetano	Toneladas Por Año	0.026	0.025	-1%
1,2-Dicloroetano	Toneladas Por Año	0.020	0.020	-1%
TO-14				
Benceno	Toneladas Por Año	0.156	0.126	-21%
n-propilbenceno	Toneladas Por Año	0.144	0.156	8%
1,2,4-Trimetilbenceno	Toneladas Por Año	0.132	0.134	1%
Etilbenceno	Toneladas Por Año	0.075	0.077	3%
3-Etiltolueno	Toneladas Por Año	0.068	0.073	7%
307-91				
Azufre Total Reducido	Toneladas Por Año	0.689	0.674	-2%
Sulfuro de Dimetilo	Toneladas Por Año	0.840	0.840	0%
Ácido Sulfhídrico	Toneladas Por Año	0.402	0.387	-4%
Metilmercaptano	Toneladas Por Año	0.245	0.245	0%

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 en todo el panel, excepto para MEK, la superficie de la interfaz tiene un índice de flujo compuesto menor que en el resto de la zona reactiva. 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. Se debe tener en cuenta que no se pueden sacar conclusiones consecuentes de los datos ORS porque los valores medidos están muy cerca del límite de detección del método.

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	Zona Reactiva	Zona No Reactiva	Membrana	Interfaz	% de Reducción Interfaz vs. Zona Reactiva
Dióxido de carbono	mg/m2-min.	42	190	15	30	29%
Metano	mg/m2-min.	3.716	4.648	1.443	0.208	94%
VOC (TNMHC-C1)	mg/m2-min.	0.00687	0.00597	0.01143	0.00233	66%
Tricloroeteno (TCE)	mg/m2-min.	0.00109	0.00183	0.00238	0.00013	88%
Acetona	mg/m2-min.	0.00096	0.00101	0.00057	0.00057	41%
Metanol	mg/m2-min.	0.00086	0.00026	0.00018	0.00024	72%
Benceno	mg/m2-min.	0.00044	0.00019	0.00088	0.00010	77%
Isopropiltolueno	mg/m2-min.	0.00021	0.00020	0.00034	0.00010	52%
2-Butanona (MEK)	mg/m2-min.	0.00012	0.00024	0.00014	0.00020	-60%
Tetrahidrofurano	mg/m2-min.	0.00033	0.00008	0.00057	0.00001	96%
Tolueno	mg/m2-min.	0.00013	0.00018	0.00019	0.00007	46%
Total de Xilenos	mg/m2-min.	0.00015	0.00015	0.00024	0.00008	48%
Hexano	mg/m2-min.	0.00003	0.00019	0.00004	0.00003	7%
Propileno (Corregido)	mg/m2-min.	0.00012	0.00011	0.00014	0.00004	70%
Acroleína	mg/m2-min.	0.00005	0.00014	0.00003	0.00002	55%
m,p-Xyleno	mg/m2-min.	0.00009	0.00007	0.00016	0.00004	59%
Nonano	mg/m2-min.	0.00006	0.00009	0.00008	0.00005	23%
Cloroformo	mg/m2-min.	0.00007	0.00008	0.00002	0.00006	10%
Etilbenceno	mg/m2-min.	0.00007	0.00007	0.00010	0.00004	42%
o-Xileno	mg/m2-min.	0.00005	0.00007	0.00007	0.00004	29%
Octano	mg/m2-min.	0.00004	0.00008	0.00005	0.00004	7%
n-Heptano	mg/m2-min.	0.00006	0.00007	0.00008	0.00004	38%
Ciclohexano	mg/m2-min.	0.00003	0.00004	0.00004	0.00002	54%
Cloroetano	mg/m2-min.	0.00003	0.00004	0.00003	0.00002	7%
1,2-Dicloroetano	mg/m2-min.	0.00002	0.00003	0.00002	0.00002	12%
TO-14						
Benceno	mg/m2-min.	0.00042	0.00011	0.00087	0.00006	85%
n-propilbenceno	mg/m2-min.	0.00035	0.00012	0.00064	0.00006	82%
1,2,4-Trimetilbenceno	mg/m2-min.	0.00028	0.00014	0.00055	0.00006	78%
Etilbenceno	mg/m2-min.	0.00011	0.00011	0.00016	0.00006	45%
3-Etiltolueno	mg/m2-min.	0.00008	0.00011	0.00008	0.00006	26%
307-91						
Azufre Total Reducido	mg/m2-min.	0.00024	0.00146	0.00027	0.00027	-10%
Sulfuro de Dimetilo	mg/m2-min.	0.00034	0.00176	0.00031	0.00034	-2%
Ácido Sulfhídrico	mg/m2-min.	0.00024	0.00079	0.00027	0.00027	-10%
Metilmercaptano	mg/m2-min.	0.00026	0.00041	0.00024	0.00027	-2%

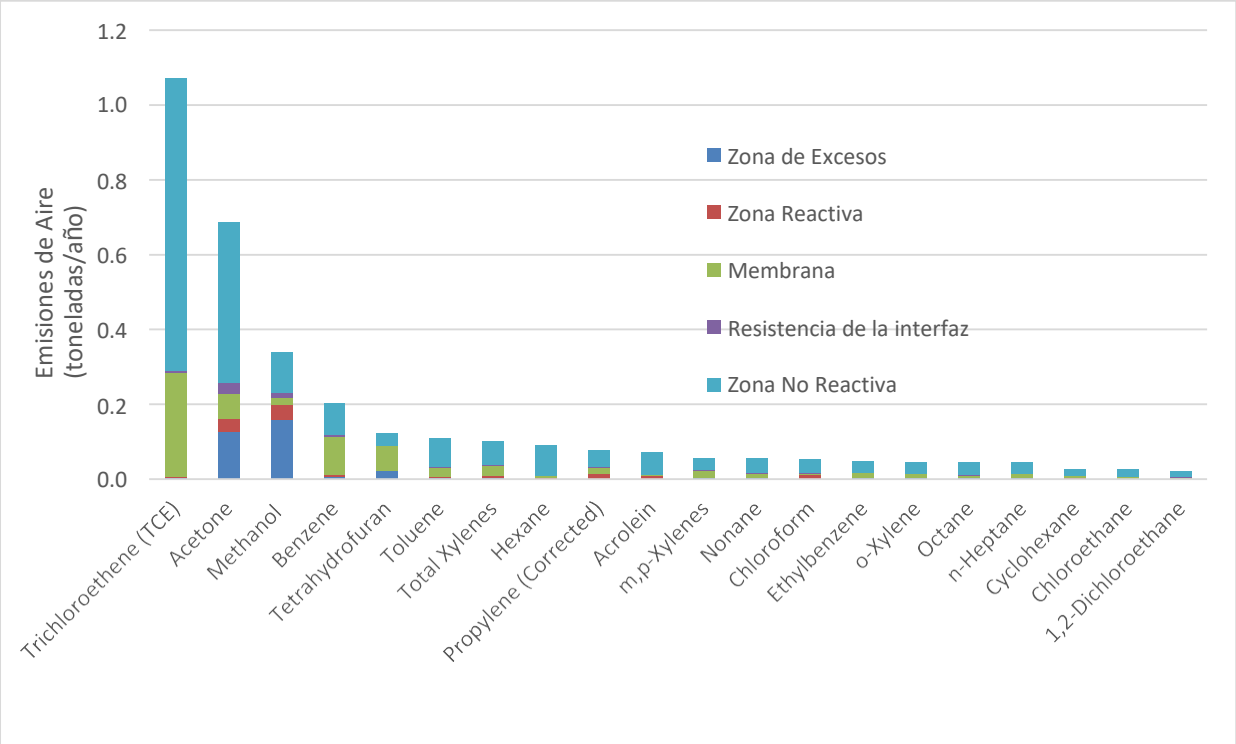
Distribución de Emisiones de Aire por Categoría de Origen

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.

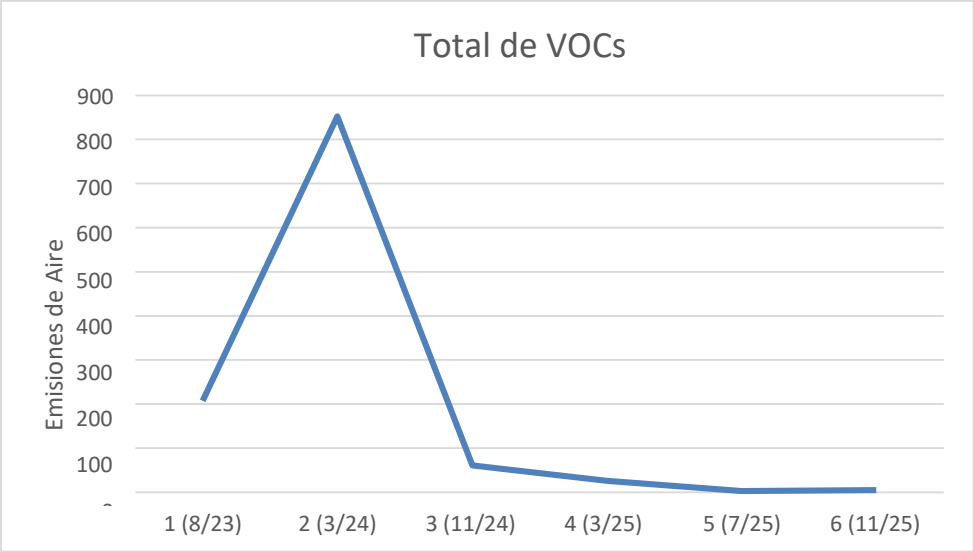
Figura 5.1 Distribución de Emisiones de Aire por Categoría de Origen.



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

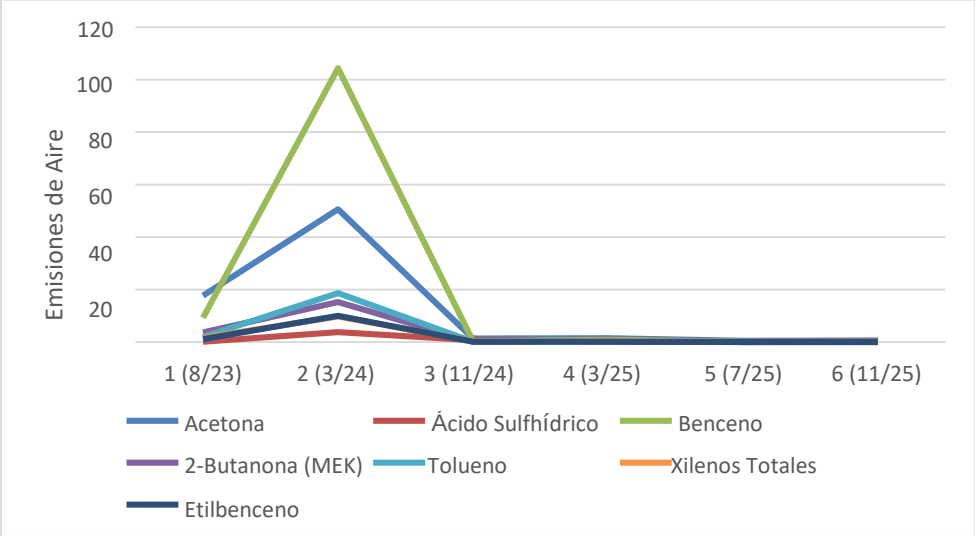
La Figura 5.2 muestra la tendencia de VOCs totales por TO-12 como C1. Gradualmente está tocando fondo después de una profunda reducción entre el Segundo y el Tercer Evento de Prueba.

Figura 5.2 VOC Total de todos los Eventos de Muestreo.



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

Figura 5.3 Compuestos Tóxicos de los Especiados de todos los Eventos de Muestras Representativas Seleccionadas.



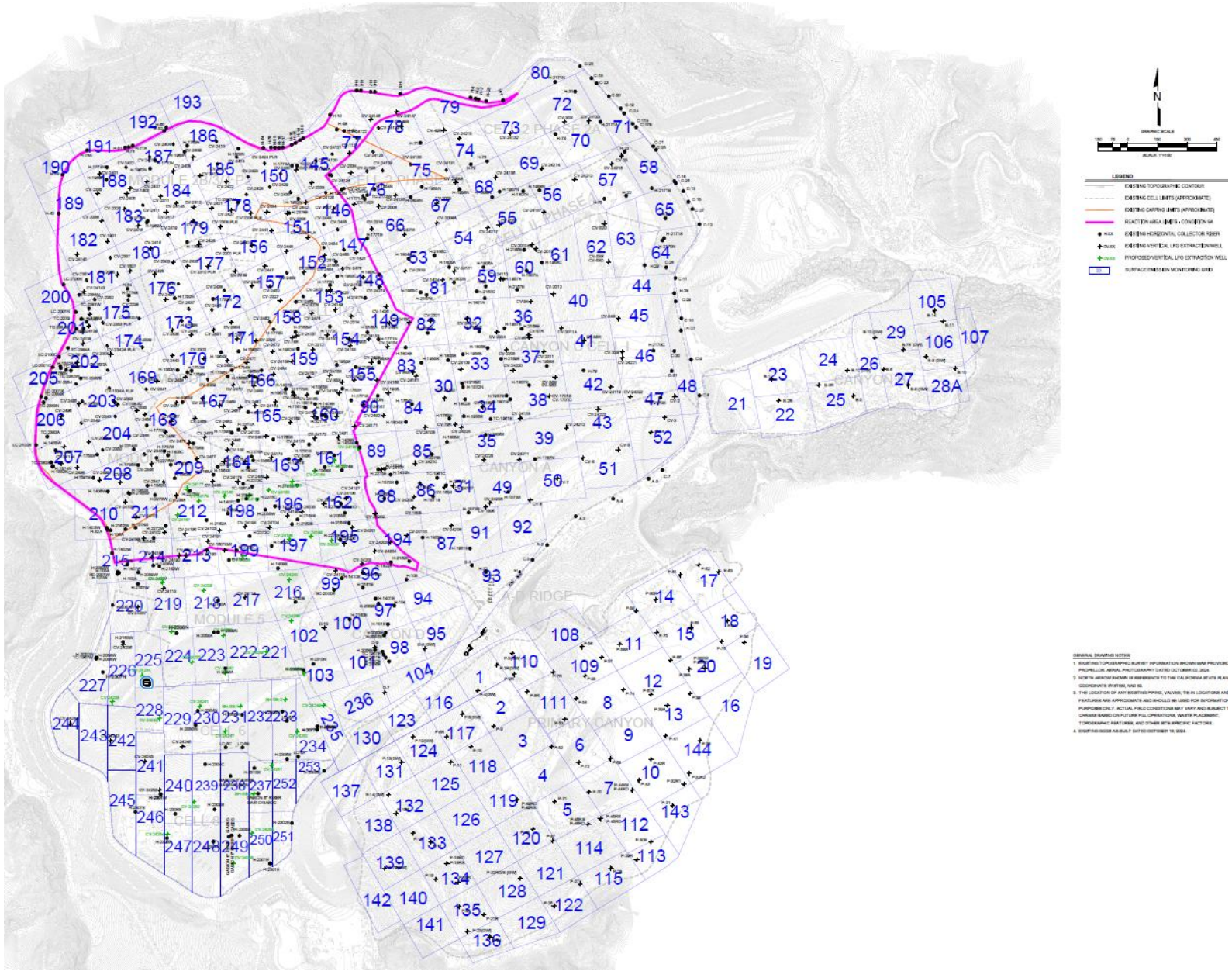
Nota: Solo se muestran compuestos significativos y ubicuos.

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


N
LEGEND
EXISTING TOPOGRAPHIC CONTOUR
EXISTING CELL LIMITS (APPROXIMATE)
EXISTING CAPPING LIMITS (APPROXIMATE)
REACTION AREA LIMITS (CONDITION IA)
EXISTING HORIZONTAL COLLECTOR WELL
EXISTING VERTICAL LFG EXTRACTION WELL
PROPOSED VERTICAL LFG EXTRACTION WELL
SURFACE EMISSION MONITORING GRID
GENERAL DRAWING NOTES
1. EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDE
PROPELLOR, AERIAL PHOTOGRAPHY DATED OCTOBER 03, 2024.
2. NORTH ARROW SHOWN IS REFERENCE TO THE CALIFORNIA STATE PLAN
COORDINATE SYSTEM, NAD 83.
3. THE LOCATION OF ANY EXISTING PIPING, VALVES, TIE-IN LOCATIONS AN
FEATURES ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIO
PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND SUBJECT
CHANGE BASED ON FUTURE FILL OPERATIONS, WASTE PLACEMENT,
TOPOGRAPHIC FEATURES, AND OTHER SITE-SPECIFIC FACTORS.
4. EXISTING SCCR AS-BUILT DATED OCTOBER 16, 2024.

Appendix 2
Grid Cell Field Screening Data

Chiquita Canyon Landfill
Cell Screening Form

Exceedance

Grid ID 231

Instrument _____

Baseline 24 / 14

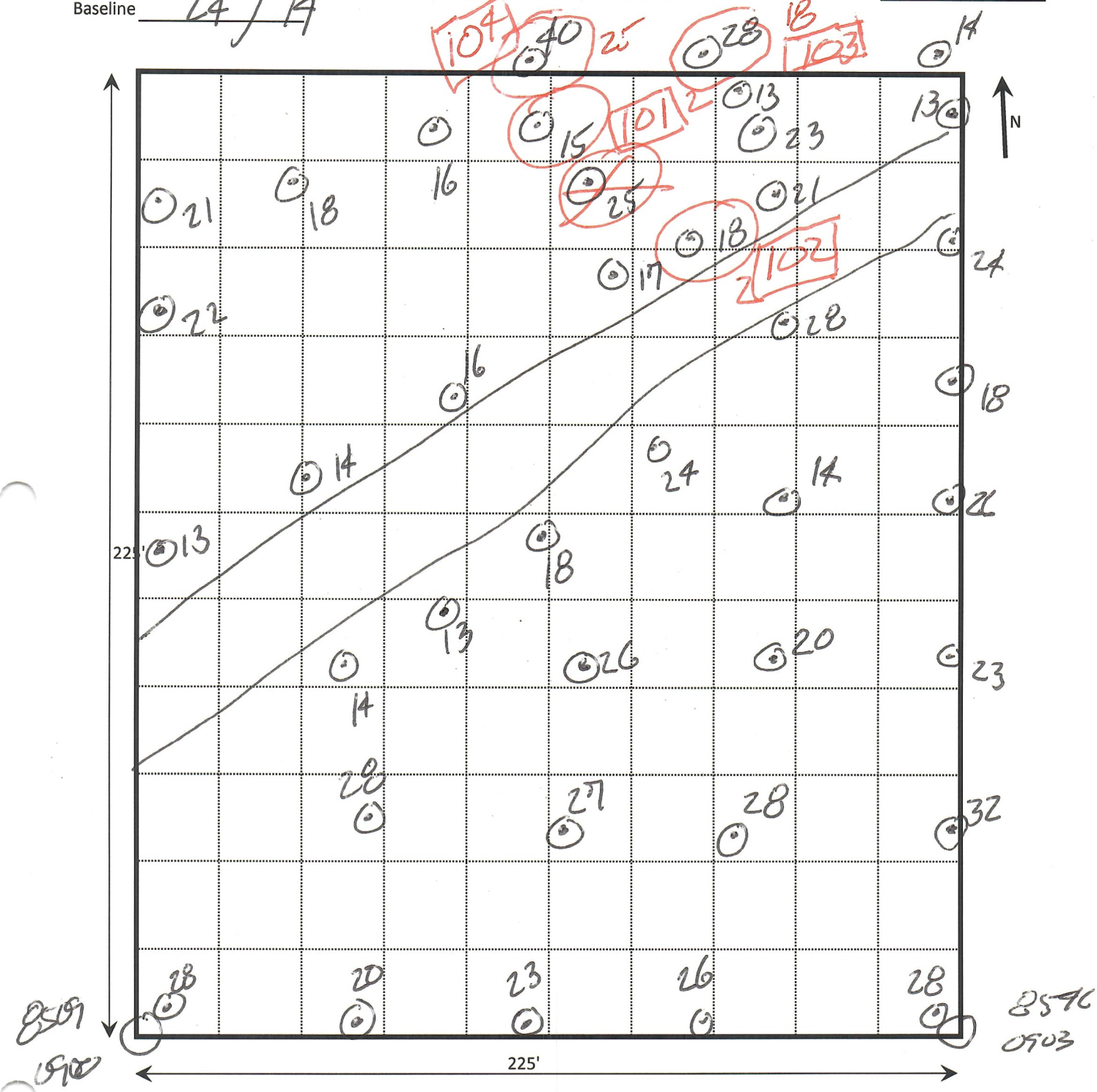
Coordinates are: 11S 34_,___
3,81_,___

Date 11/10

Time 7:15

Windpeed/Dir _____

Samplers _____



0-25 white
25-50 blk yellow

Chiquita Canyon Landfill
Cell Screening Form

Grid ID 76

Instrument _____

Baseline 13

Interfgw Mod

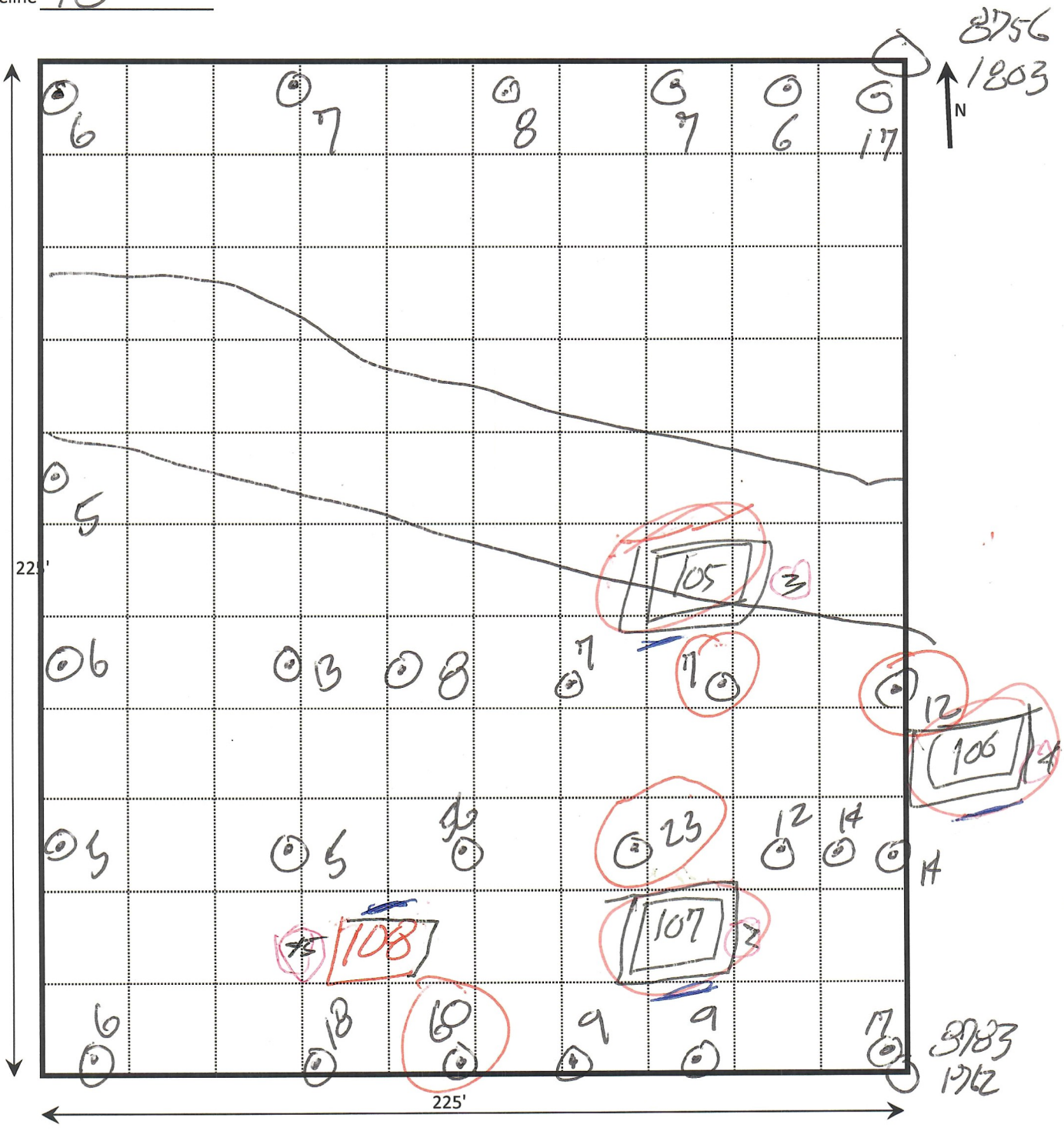
Coordinates are: 11S 34_,___
3,81_,___

Date 11/10

Time 7:50a

Windpeed/Dir _____

Samplers _____



red 50-100

Chiquita Canyon Landfill
Cell Screening Form

Grid ID 78

Instrument _____

Baseline 10

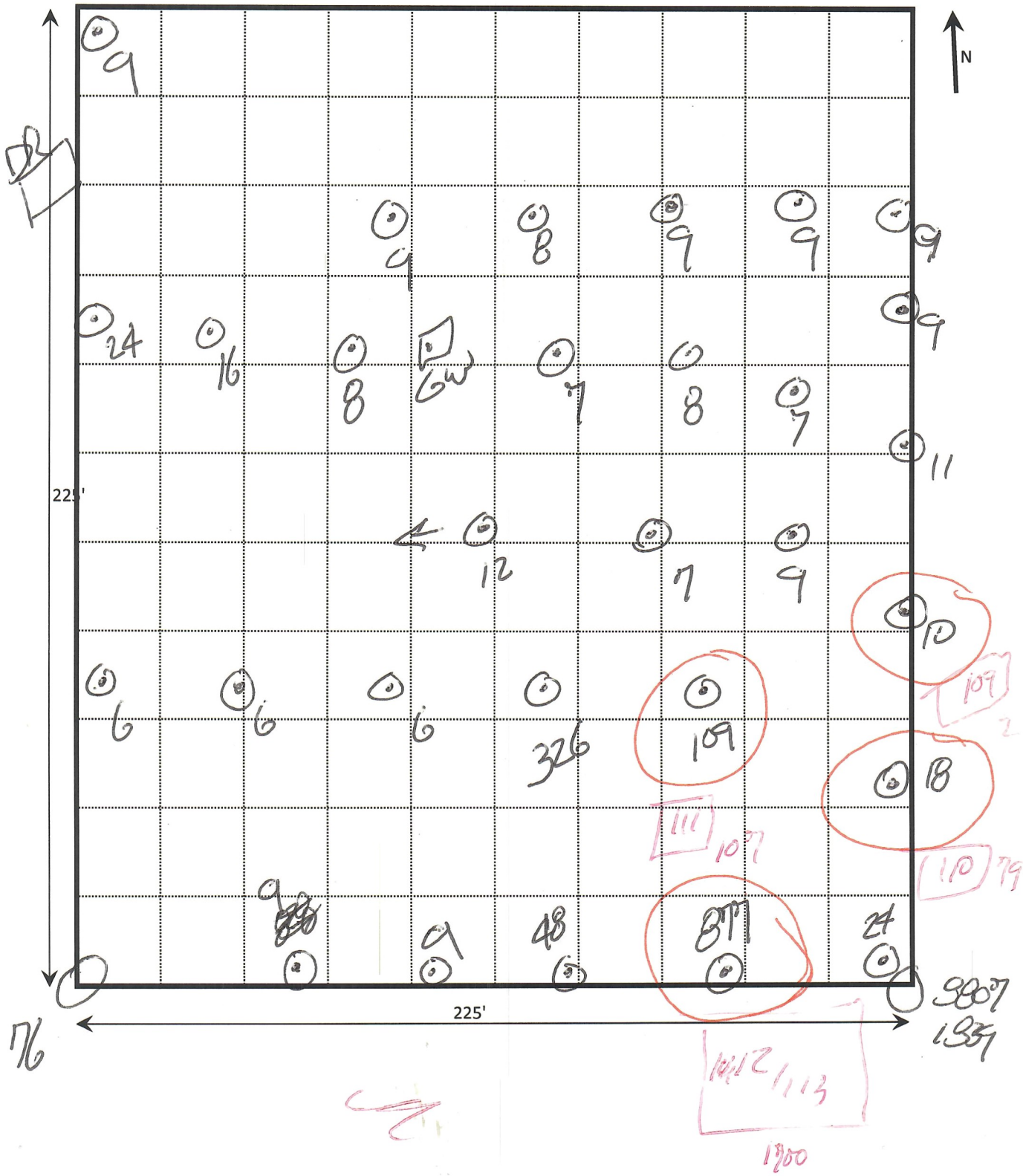
Coordinates are: 11S 34_,___
3,81_,___

Date 11/10

Time 8:16

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 211

Instrument _____

Baseline 14

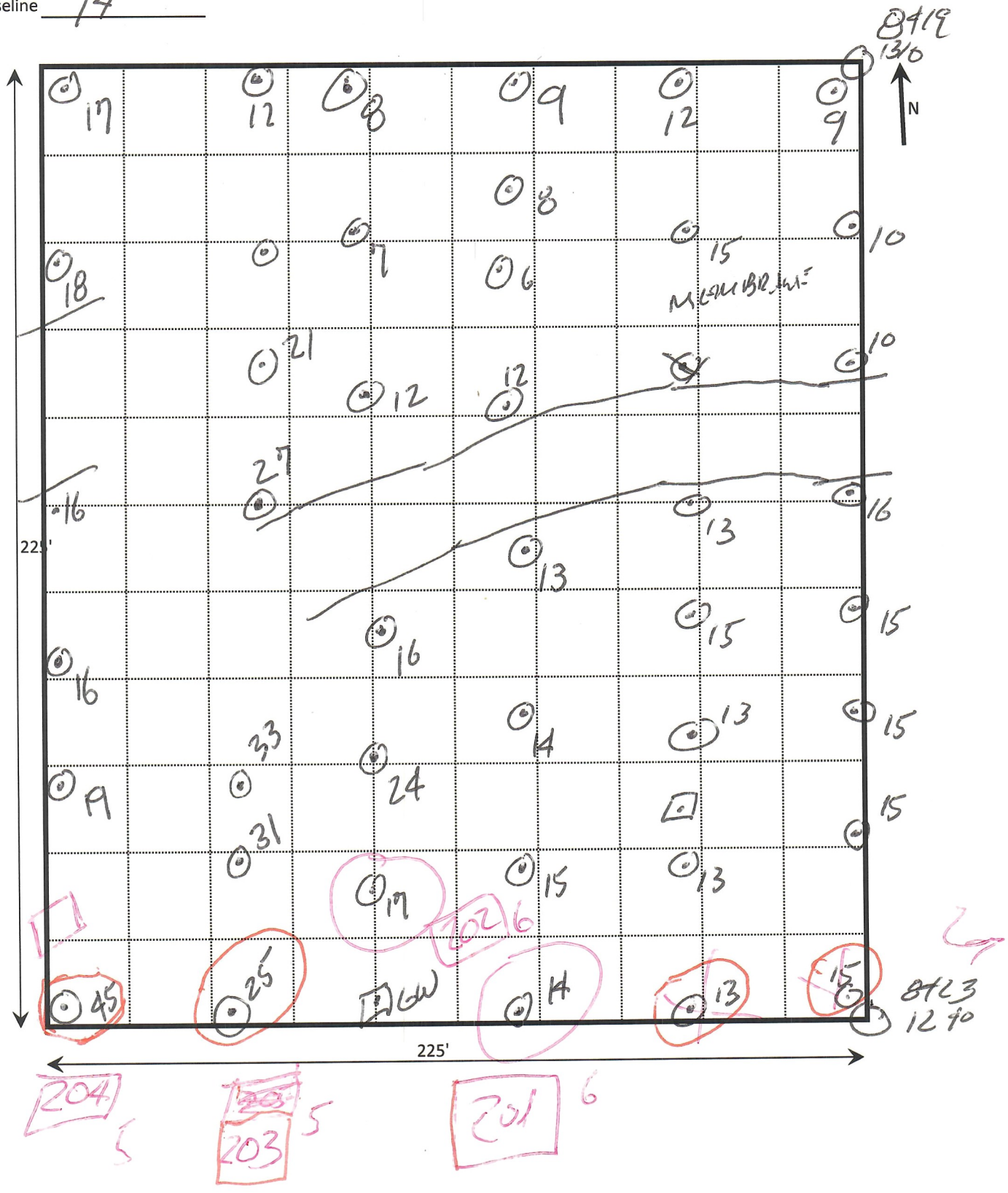
Coordinates are: 11S 34_,___
3,81_,___

Date 11/11

Time 7:07

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 209

Instrument 43

Baseline

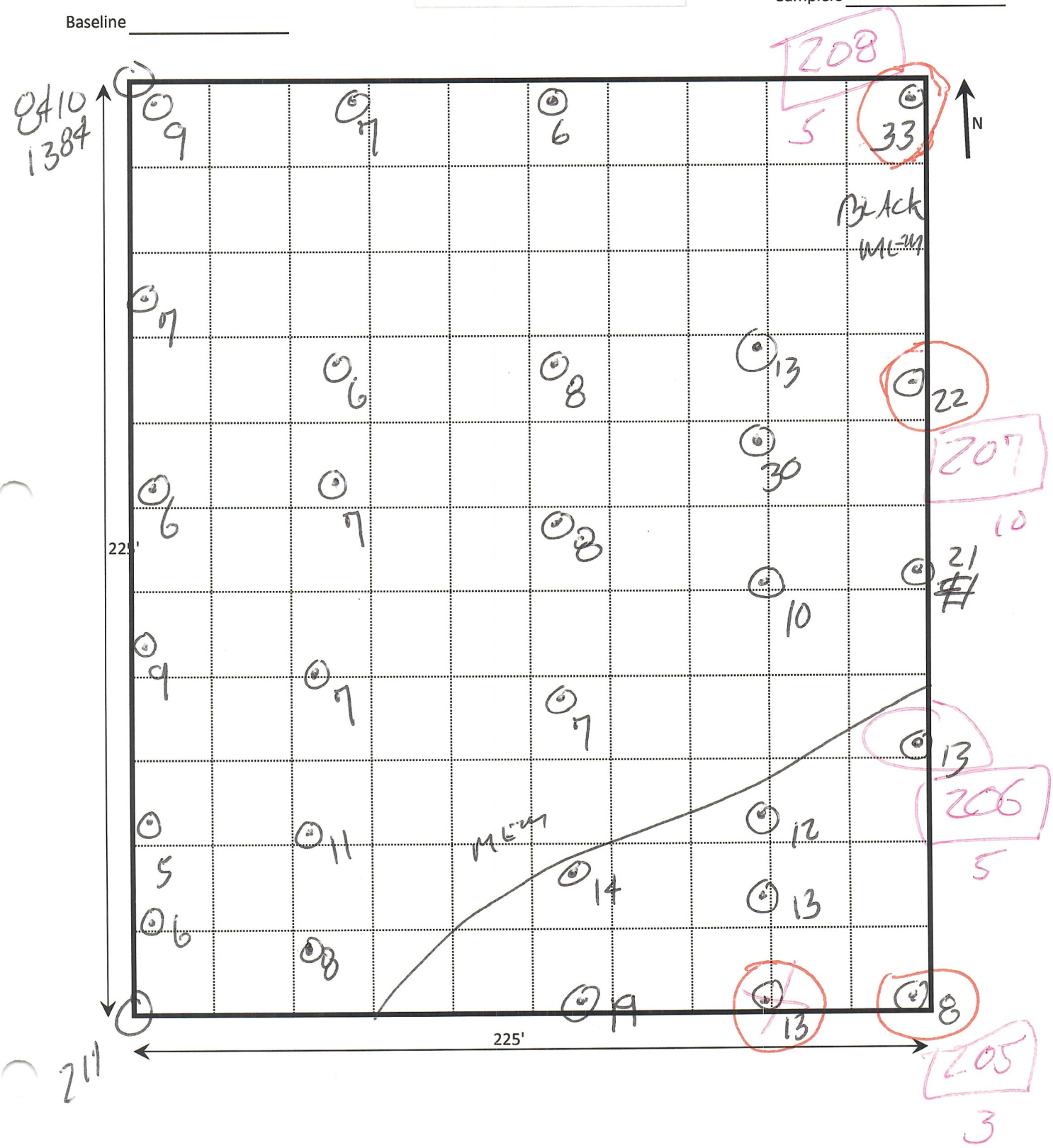
Coordinates are: 11S 34_,___
3,81_,___

Date 11/11

Time 7:40

Windpeed/Dir

Samplers



Chiquita Canyon Landfill

Cell Screening Form

Grid ID S3

Instrument _____

Baseline 9

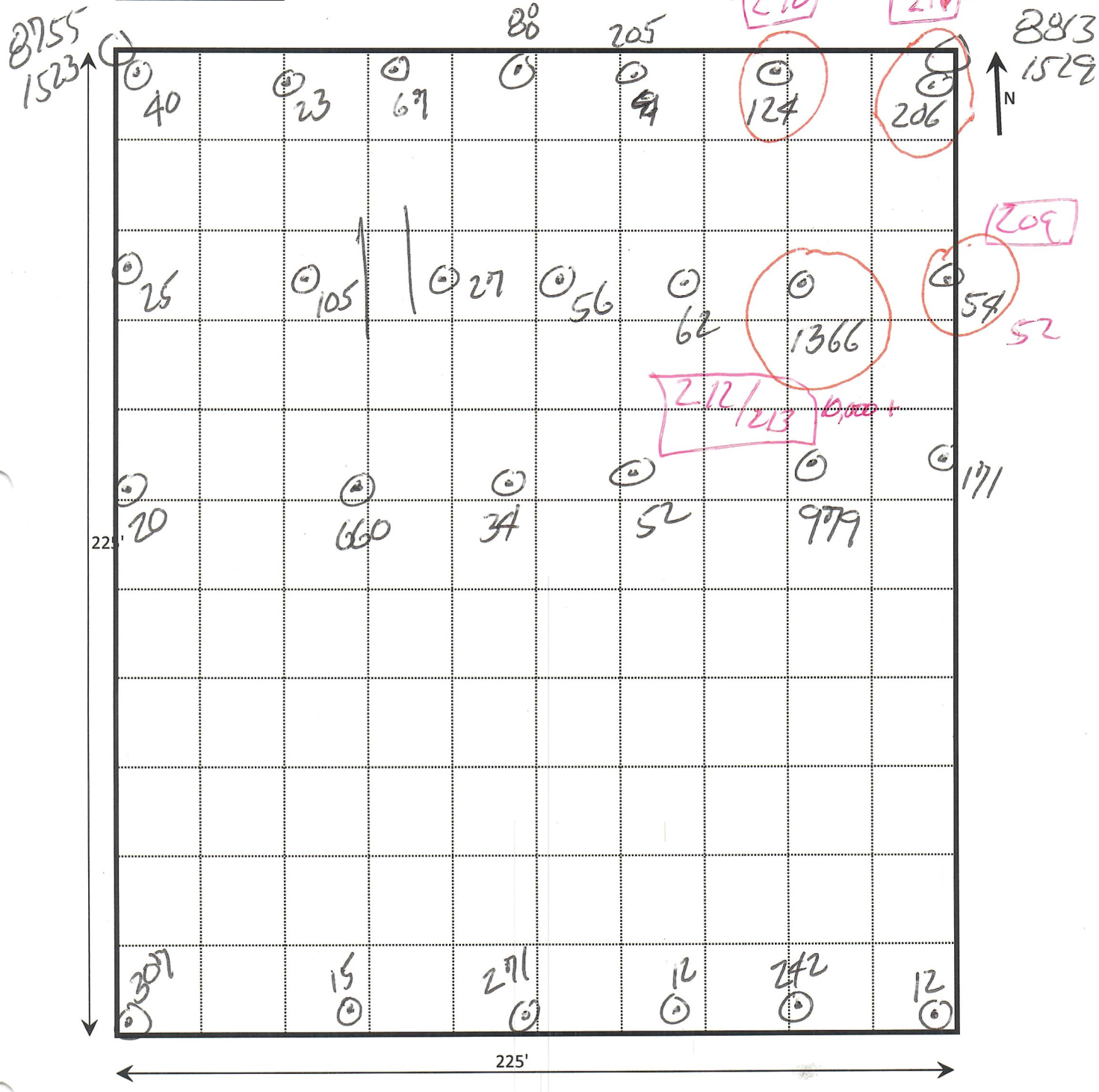
Coordinates are: 11S 34_,___
3,81_,___

Date 11/11

Time 8:06

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 197

Instrument _____

Baseline 9

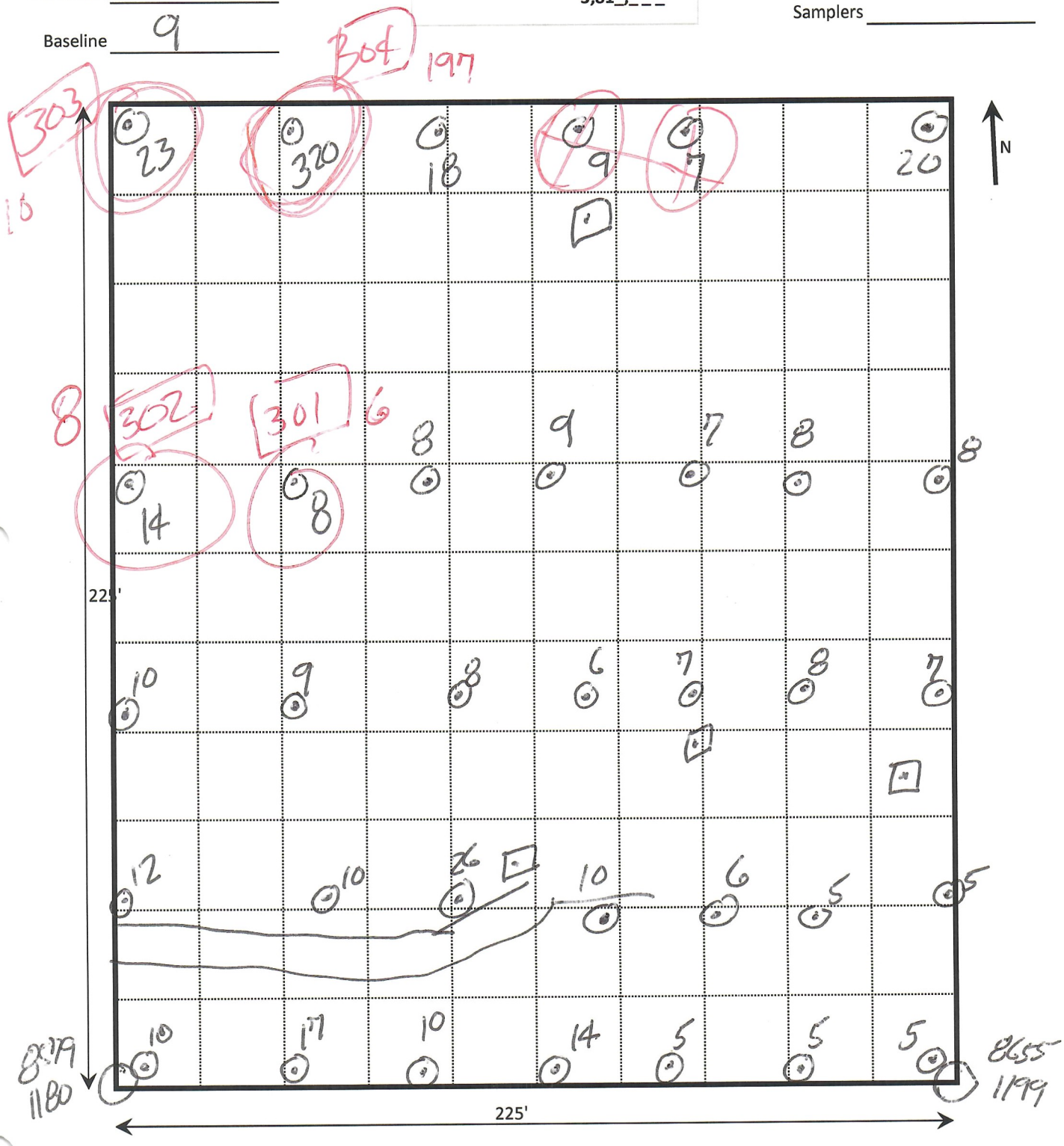
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 11/12

Time 7:30

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill

Cell Screening Form

Grid ID 96

Instrument _____

Baseline 17

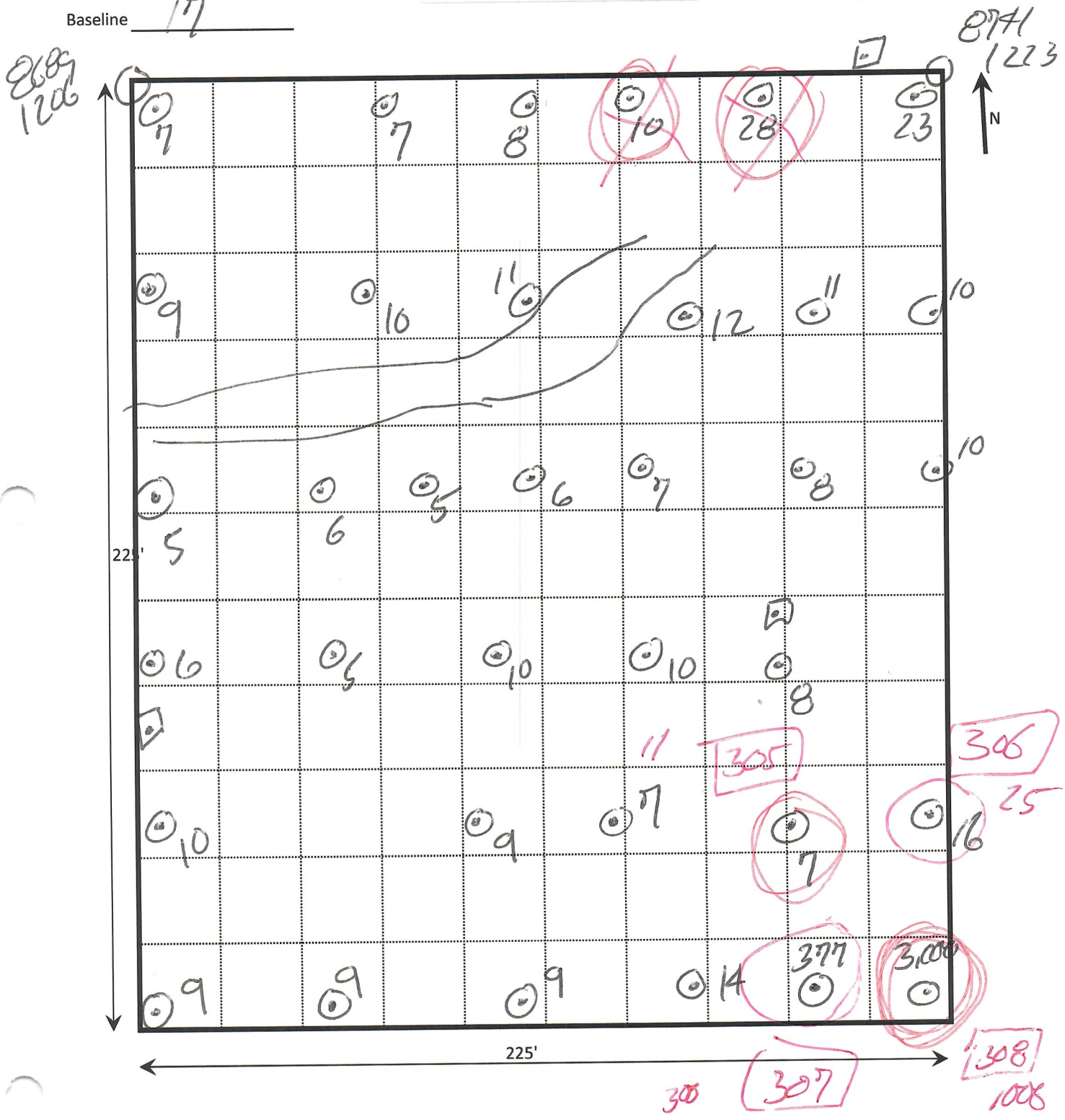
Coordinates are: 11S 34_,___
3,81_,___

Date 11/8/12

Time 7:26

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 194

Instrument _____

Baseline 120/80

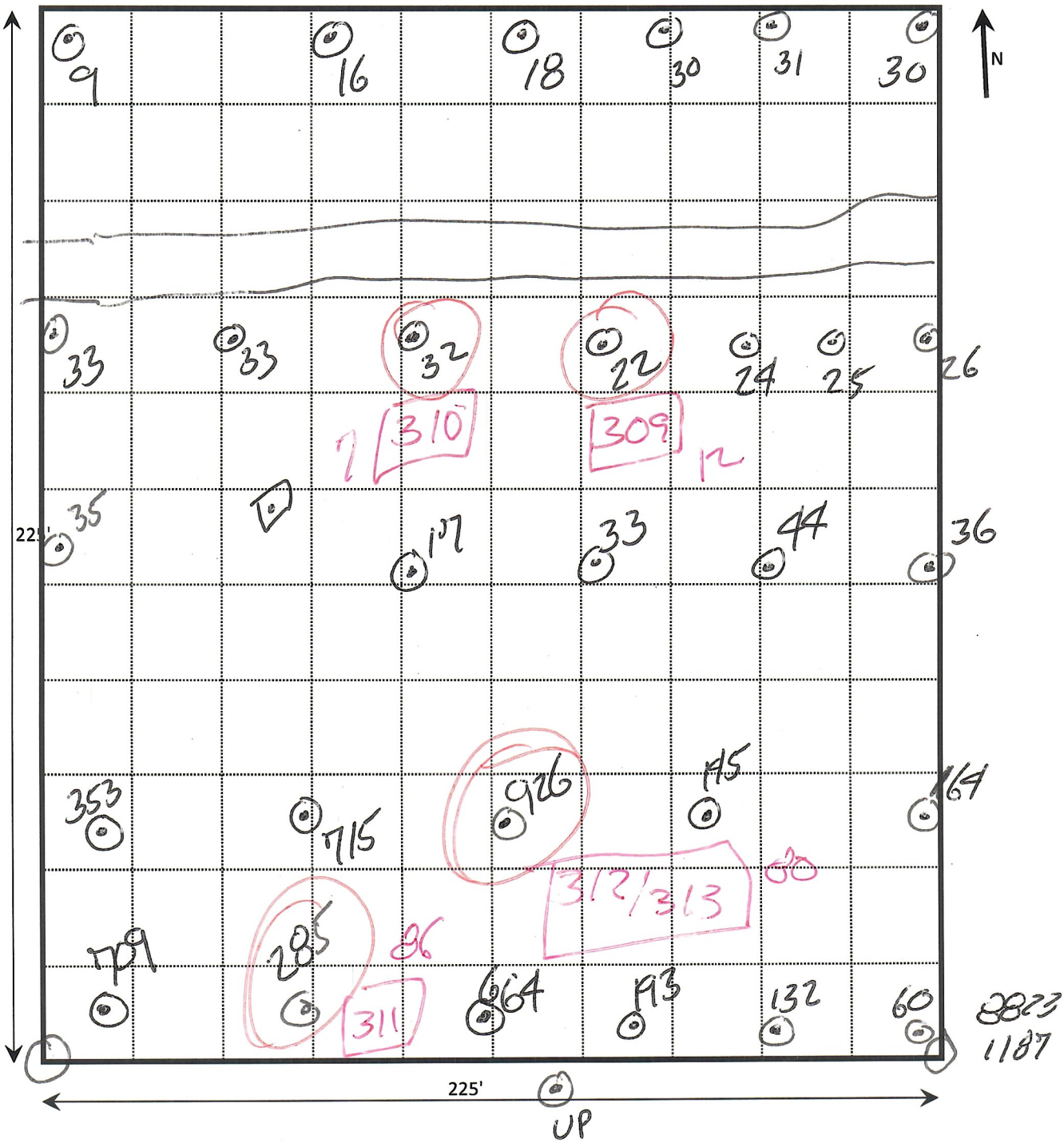
Coordinates are: 11S 34_,___
3,81_,___

Date 11/12

Time 7:47

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 111

Instrument _____

Baseline 4

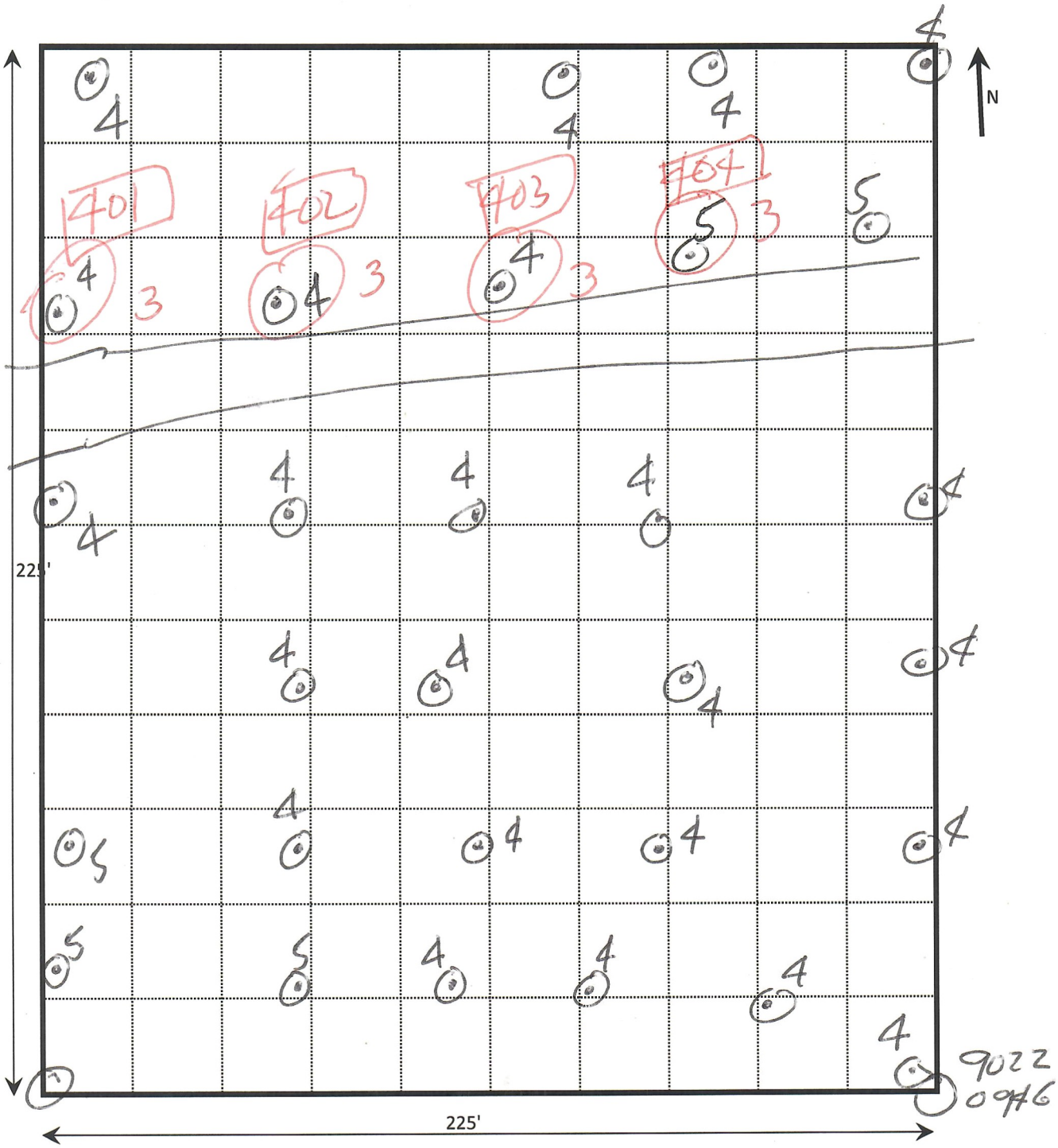
Coordinates are: 11S 34_,___
3,81_,___

Date 11/24

Time 9:06

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 248

Instrument _____

Baseline 5/5

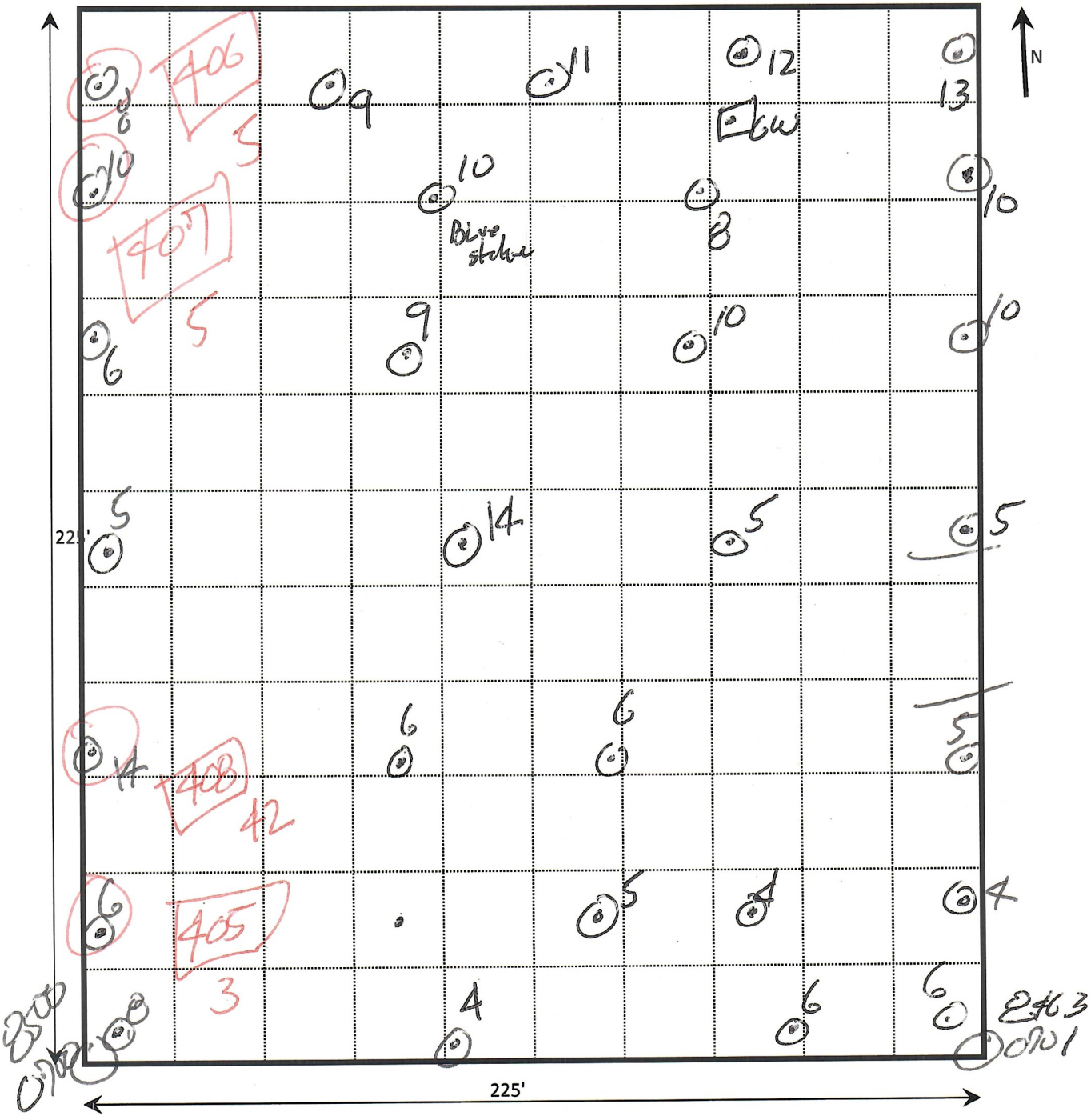
Coordinates are: 11S 34_,___
3,81_,___

Date 11/24

Time 7:40

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 243

Instrument _____

Baseline 10

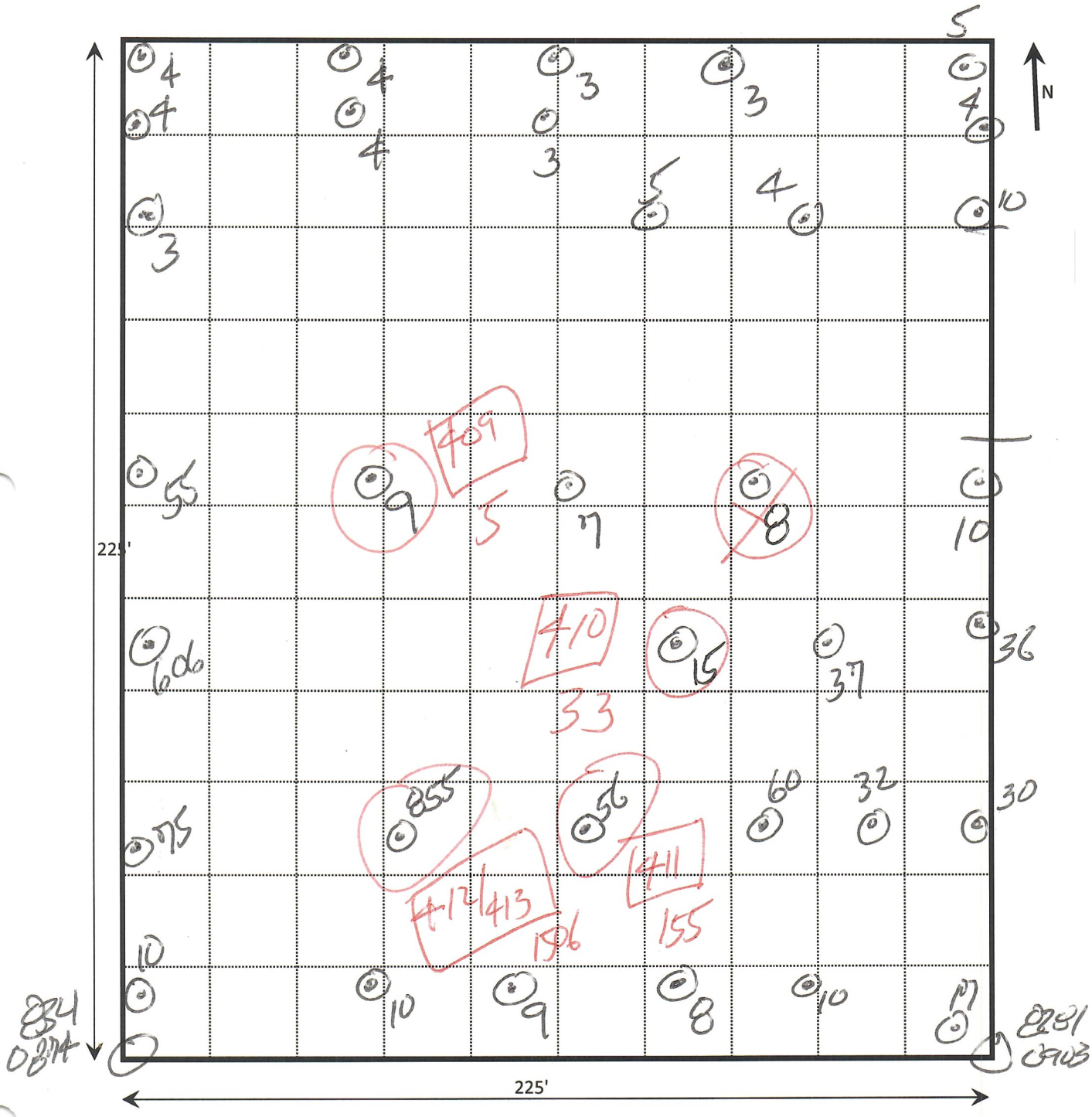
Coordinates are: 11S 34_,___
3,81_,___

Date 4/24

Time 8:04

Windpeed/Dir _____

Samplers _____


N
225'
225'
#409
#410
#411
#412/413
196
155
33
5
7
8
10
15
37
36
30
32
60
56
855
10
9
8
10
7
10
4
4
4
3
3
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10

Chiquita Canyon Landfill
Cell Screening Form

Grid ID 217

Instrument _____

Baseline 6 10

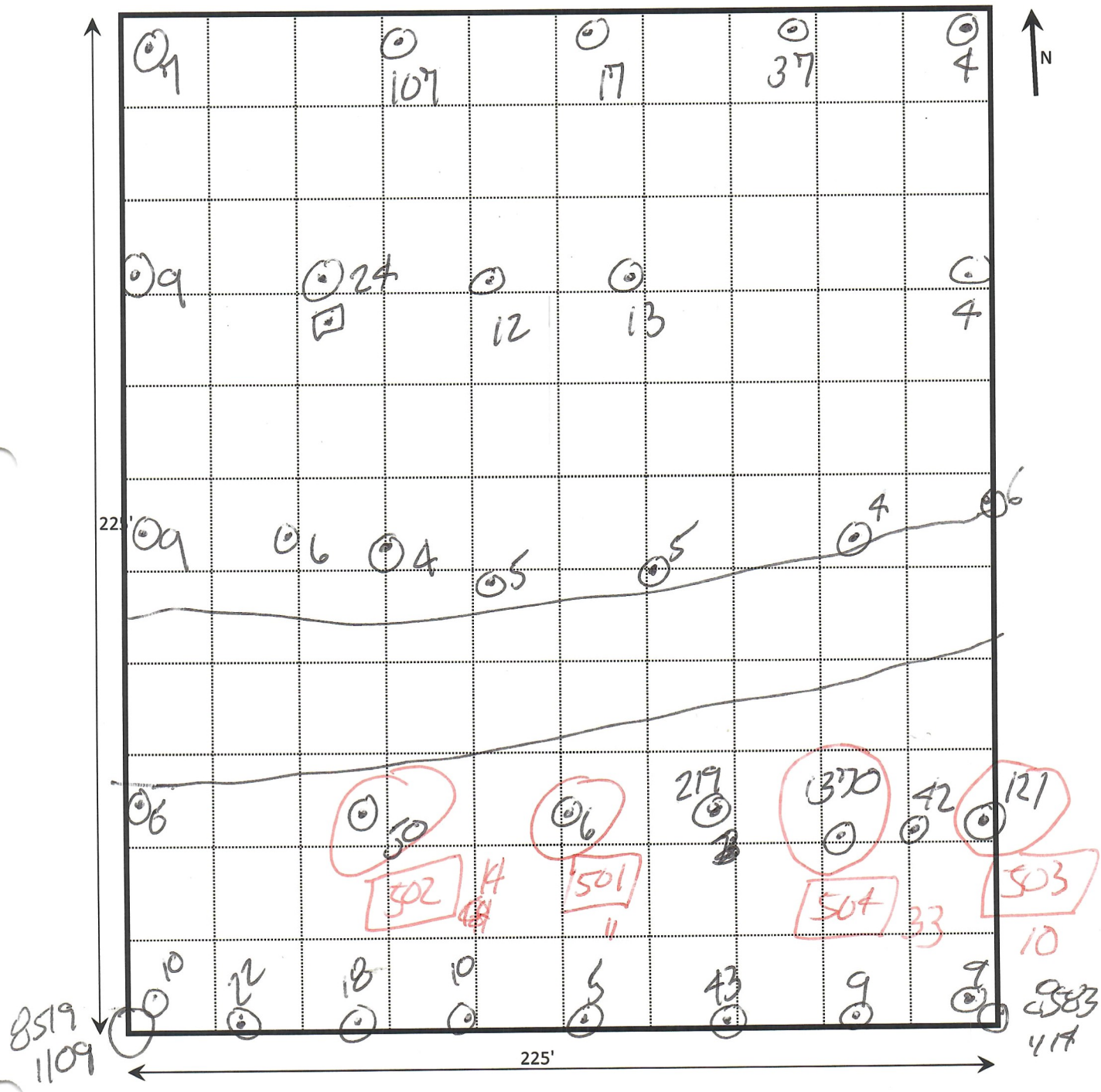
Coordinates are: 11S 34_,___
3,81_,___

Date 11/24

Time 14:00

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 207

Instrument _____

Baseline 3

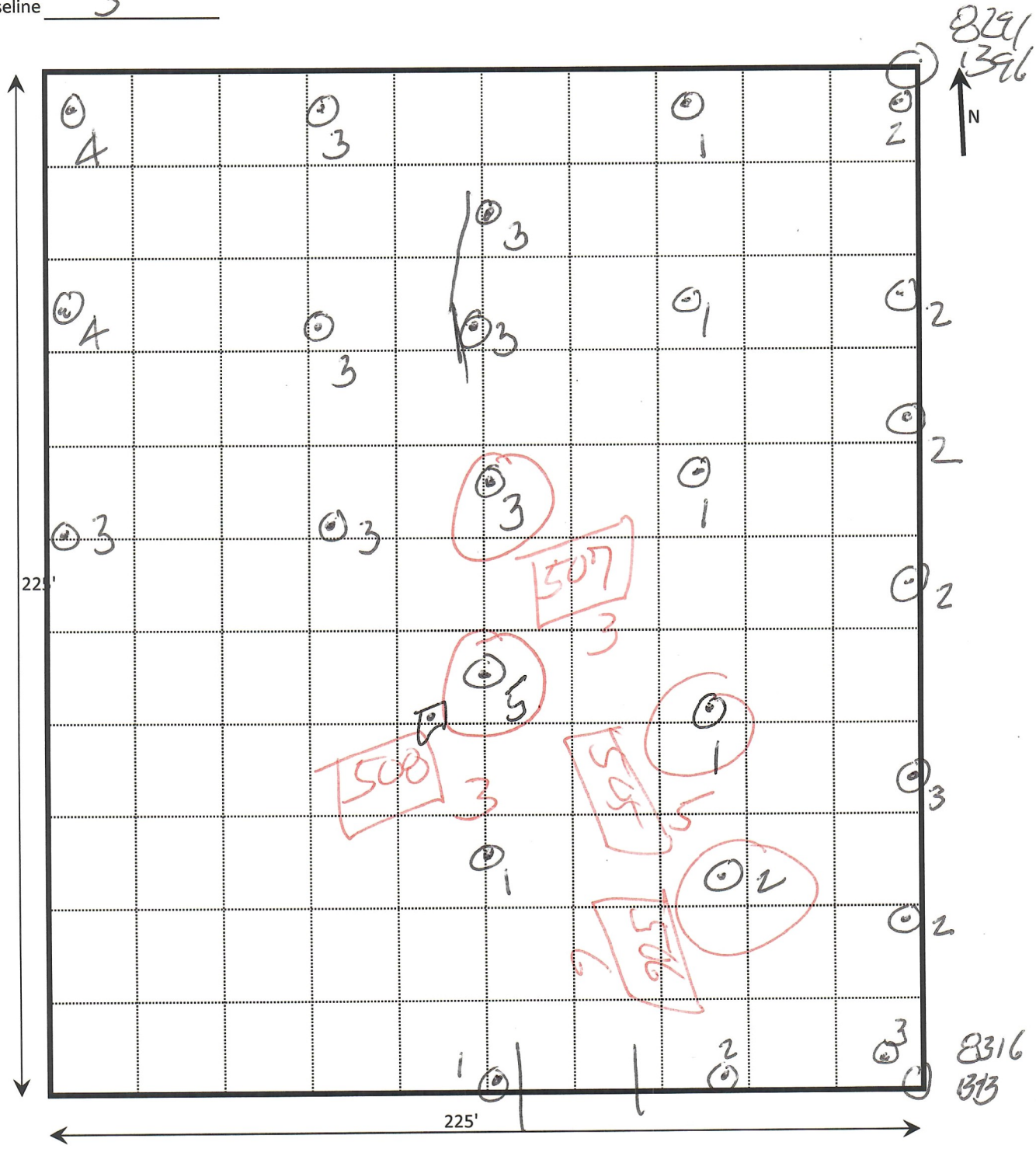
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 11/24

Time 13:30

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill

Cell Screening Form

Grid ID 169

Instrument _____

Baseline 3

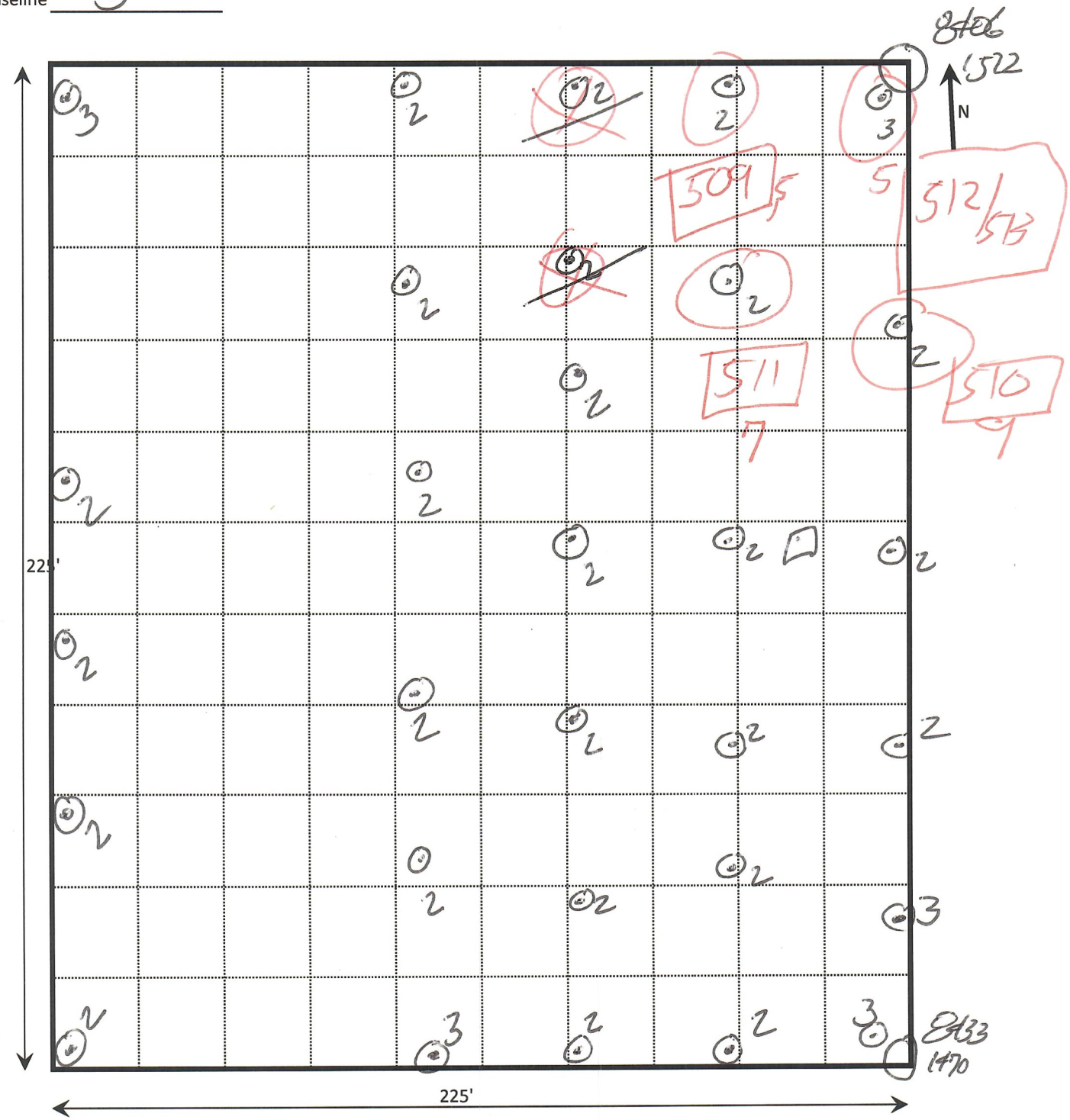
Coordinates are: 11S 34_,___
3,81_,___

Date 11/24

Time 12451

Windpeed/Dir _____

Samplers _____



Appendix 3

Emissions Calculations for Each Compound

Carbon Dioxide
124-38-9

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		85.12945	19.60686	155.52368	101.62423	88.65185	925,950	86,024	7,626,149	8,836,648	4,418
Reaction Area	High	213		32.07675	33.54149	114.12776	535.00440	34.72281	158,135	14,691	510,121	591,092	296
Reaction Area	Med	197		65.19275	106.61968	157.42204	174.87460	81.39918	282,120	26,210	<1.62E+06	<1.87E+06	<9.37E+02
Reaction Area	Med	195		47.56786	<6.09E+00	81.32163	#########	<4.20E+01					
Reaction Area	Low	149		47.05969	176.81691	111.76264	770.01631	85.96270	470,437	43,705	3,757,002	4,353,352	2,177
Membrane	High	204	M	<4.38E+00	83.61606	<4.44E+00	56.06688	<3.50E+01	745,892	69,296	<2.43E+06	<2.81E+06	<1.41E+03
Membrane	Low	183	M	<6.06E+00	<5.28E+00	<4.35E+00	48.75244	<4.98E+00	1,408,075	130,814	<6.51E+05	<7.55E+05	<3.77E+02
Interface	High	75		<4.58E+00	<4.85E+00	<5.40E+00	<4.71E+00	<4.77E+00	152,096	14,130	<6.74E+04	<7.81E+04	<3.90E+01
Interface	Med	158		<5.40E+00	23.17407	105.99989	143.29878	<2.18E+01	282,777	26,271	<7.14E+05	<8.28E+05	<4.14E+02
Interface	Med	211	P	16.87481	45.29589	125.40790	418.61812	32.57712					
Interface	Low	76	P	41.84350	37.16277	19.30867	38.47800	37.97473	542,044	50,358	1,912,314	2,215,856	1,108
Non-Reaction Area	High	232		85.27218	123.11244	519.88688	781.58853	211.85559	1,271,594	118,135	25,027,550	29,000,177	14,500
Non-Reaction Area	Med	131		417.93192	#########	#########	68.31864	766.63304	2,614,524	242,897	102,443,763	118,704,678	59,352
Non-Reaction Area	Med	86		54.98890	108.51240	91.80747	58.51906	76.88222					
Non-Reaction Area	Low	133		<4.23E+00	<5.64E+00	79.11404	47.33749	<3.27E+01	4,051,650	376,411	<1.23E+07	<1.43E+07	<7.13E+03
Non SEM Area								<1.33E+02	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.59E+08**	**<1.84E+08**	**<9.22E+04**

	(TPY)
Exceedance Area	4,418.3242
Reaction Area	<3.41E+03
Membrane	<1.78E+03
Interface	<1.56E+03
Non-Reaction Area	<8.10E+04
Average Flux (mg/m2-min)	<1.33E+02
Reaction Area Flux (mg/m2-m)	<4.18E+01
Non-Reaction Area Flux (mg/m2-m)	<1.90E+02
Membrane Flux (mg/m2-min)	<1.54E+01
Interface Flux (mg/m2-min)	<2.97E+01

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		85.1295	19.6069	155.5237	101.6242	88.6518	925,950	86,024	7,626,149	8,836,648	4,418
Reaction Area	High	75		<4.38E+00	83.6161	<4.44E+00	56.0669	<3.50E+01	781,464	72,600	<2.54E+06	<2.95E+06	<1.47E+03
Reaction Area	Med	204		47.5679	<6.09E+00	81.3216	1706.5105	<4.20E+01	1,308,062	121,523	<7.50E+06	<8.69E+06	<4.34E+03
Reaction Area	Med	158		65.1927	106.6197	157.4220	174.8746	81.3992					
Reaction Area	Low	76		47.0597	176.8169	111.7626	770.0163	85.9627	1,952,050	181,351	15,589,454	18,063,971	9,032
Non-Reaction Area	High	232		85.2722	123.1124	519.8869	781.5885	211.8556	1,271,594	118,135	25,027,550	29,000,177	14,500
Non-Reaction Area	Med	131		417.9319	1516.9460	1090.4498	68.3186	766.6330	2,614,524	242,897	102,443,763	118,704,678	59,352
Non-Reaction Area	Med	86		54.9889	108.5124	91.8075	58.5191	76.8822					
Non-Reaction Area	Low	133		<4.23E+00	<5.64E+00	79.1140	47.3375	<3.27E+01	4,051,650	376,411	<1.23E+07	<1.43E+07	<7.13E+03
Non SEM Area								<1.44E+02	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.73E+08**	**<2.01E+08**	**<1.00E+05**

Exceedance Area	4,418.3242
Reaction Area	<1.48E+04
Non-Reaction Area	<8.10E+04
Average Flux (mg/m2-min)	<1.44E+02
Membrane Flux (mg/m2-min)	NA

Methane

74-82-8

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		0.03236	<8.98E-03	2.93001	11.39461	<1.09E+00	925,950	86,024	<9.40E+04	<1.09E+05	<5.44E+01
Reaction Area	High	213		0.01641	0.17917	40.49248	243.99430	1.23875	158,135	14,691	18,199	21,087	10.5
Reaction Area	Med	197		0.03869	0.70734	0.49079	11.12661	0.17490	282,120	26,210	41,093	47,616	24
Reaction Area	Med	195		0.40572	0.03303	8.74351	697.96535	2.96081					
Reaction Area	Low	149		11.57503	73.91649	37.04961	406.36507	28.69575	470,437	43,705	1,254,149	1,453,220	727
Membrane	High	204	M	0.03491	14.49822	<8.01E-03	0.17397	<4.07E+00	745,892	69,296	<2.82E+05	<3.27E+05	<1.63E+02
Membrane	Low	183	M	0.09057	0.08004	0.01904	0.09005	0.05174	1,408,075	130,814	6,768	7,842	3.9
Interface	High	75		0.01885	<8.82E-03	0.04237	0.03039	<1.97E-02	152,096	14,130	<2.78E+02	<3.23E+02	<1.61E-01
Interface	Med	158		<9.82E-03	<9.30E-03	0.11860	1.60713	<2.23E-02	282,777	26,271	<1.60E+04	<1.85E+04	<9.24E+00
Interface	Med	211	P	<8.94E-03	0.05785	10.96470	83.83779	<1.19E+00					
Interface	Low	76	P	0.04045	0.09318	0.04152	0.14897	0.05245	542,044	50,358	2,641	3,061	1.5
Non-Reaction Area	High	232		0.08419	7.82547	84.53641	381.79006	24.77111	1,271,594	118,135	2,926,334	3,390,831	1,695
Non-Reaction Area	Med	131		0.90940	2.20156	2.51797	0.88794	1.39856	2,614,524	242,897	481,069	557,429	279
Non-Reaction Area	Med	86		0.05308	0.03752	2.74851	21.93314	2.56253					
Non-Reaction Area	Low	133		0.02221	0.02690	0.11749	0.04386	0.05352	4,051,650	376,411	20,146	23,344	11.7
Non SEM Area								<4.29E+00	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<5.14E+06**	**<5.96E+06**	**<2.98E+03**

	(TPY)
Exceedance Area	<5.44E+01
Reaction Area	761
Membrane	<1.67E+02
Interface	<1.09E+01
Non-Reaction Area	1,986
Average Flux (mg/m2-min)	<4.29E+00
Reaction Area Flux (mg/m2-m)	4
Non-Reaction Area Flux (mg/m2-m)	5
Membrane Flux (mg/m2-min)	<1.44E+00
Interface Flux (mg/m2-min)	<2.08E-01

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		0.0324	<8.98E-03	2.9300	11.3946	<1.09E+00	925,950	86,024	<9.40E+04	<1.09E+05	<5.44E+01
Reaction Area	High	75		0.0349	14.4982	<8.01E-03	0.1740	<4.07E+00	781,464	72,600	<2.95E+05	<3.42E+05	<1.71E+02
Reaction Area	Med	204		0.4057	0.0330	8.7435	697.9653	2.9608	1,308,062	121,523	190,531	220,774	110
Reaction Area	Med	158		0.0387	0.7073	0.4908	11.1266	0.1749					
Reaction Area	Low	76		11.5750	73.9165	37.0496	406.3651	28.6957	1,952,050	181,351	5,204,014	6,030,048	3,015
Non-Reaction Area	High	232		0.0842	7.8255	84.5364	381.7901	24.7711	1,271,594	118,135	2,926,334	3,390,831	1,695
Non-Reaction Area	Med	131		0.9094	2.2016	2.5180	0.8879	1.3986	2,614,524	242,897	481,069	557,429	279
Non-Reaction Area	Med	86		0.0531	0.0375	2.7485	21.9331	2.5625					
Non-Reaction Area	Low	133		0.0222	0.0269	0.1175	0.0439	0.0535	4,051,650	376,411	20,146	23,344	11.7
Non SEM Area								<7.68E+00	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.21E+06**	**<1.07E+07**	**<5.34E+03**

Exceedance Area	<5.44E+01
Reaction Area	3,297
Non-Reaction Area	1,986
Average Flux (mg/m2-min)	<7.68E+00
Membrane Flux (mg/m2-min)	NA

Total Non-Methane Hydrocarbons-C1

74-82-8

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		0.00175	0.00204	0.00476	0.00409	0.00296	925,950	86,024	254	295	0.147
Reaction Area	High	213		0.00578	0.00613	0.01691	0.08130	0.00616	158,135	14,691	91	105	0.052
Reaction Area	Med	197		0.00215	0.00769	0.00586	0.03703	0.00327	282,120	26,210	<9.07E+01	<1.05E+02	<5.25E-02
Reaction Area	Med	195		<1.58E-03	<8.17E-04	0.00902	0.15347	<3.65E-03					
Reaction Area	Low	149		0.00181	0.01930	0.00449	0.12565	0.00536	470,437	43,705	234	272	0.136
Membrane	High	204	M	0.00677	0.07435	0.00277	0.00798	0.02464	745,892	69,296	1,707	1,978	0.989
Membrane	Low	183	M	0.00645	0.00489	0.00333	0.00219	0.00443	1,408,075	130,814	580	672	0.336
Interface	High	75		0.00455	0.00572	<5.42E-04	<5.43E-04	<4.27E-03	152,096	14,130	<6.04E+01	<6.99E+01	<3.50E-02
Interface	Med	158		0.00168	0.00167	<1.48E-03	<2.41E-03	<1.66E-03	282,777	26,271	<8.07E+01	<9.35E+01	<4.68E-02
Interface	Med	211	P	0.00384	0.00486	0.00849	0.10424	0.00449					
Interface	Low	76	P	<8.67E-04	0.00336	<6.87E-04	0.01313	<1.41E-03	542,044	50,358	<7.08E+01	<8.20E+01	<4.10E-02
Non-Reaction Area	High	232		0.00298	0.00592	0.03175	0.09875	0.01145	1,271,594	118,135	1,353	1,568	0.784
Non-Reaction Area	Med	131		<4.67E-03	0.03059	0.02784	0.00477	<1.36E-02	2,614,524	242,897	<2.25E+03	<2.61E+03	<1.30E+00
Non-Reaction Area	Med	86		0.00501	<8.92E-04	0.00302	0.02216	<4.93E-03					
Non-Reaction Area	Low	133		<6.90E-04	<9.26E-04	0.00472	0.00219	<2.13E-03	4,051,650	376,411	<8.01E+02	<9.28E+02	<4.64E-01
Non SEM Area								<6.32E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.57E+03**	**<8.77E+03**	**<4.39E+00**

	(TPY)
Exceedance Area	0.1473
Reaction Area	<2.41E-01
Membrane	1.3
Interface	<1.23E-01
Non-Reaction Area	<2.55E+00
Average Flux (mg/m2-min)	<6.32E-03
Reaction Area Flux (mg/m2-m)	<6.87E-03
Non-Reaction Area Flux (mg/m2-m)	<5.97E-03
Membrane Flux (mg/m2-min)	0.011
Interface Flux (mg/m2-min)	<2.33E-03

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		0.0017	0.0020	0.0048	0.0041	0.0030	925,950	86,024	254	295	0.1473
Reaction Area	High	75		0.0068	0.0744	0.0028	0.0080	0.0246	781,464	72,600	1,789	2,072	1.04
Reaction Area	Med	204		<1.58E-03	<8.17E-04	0.0090	0.1535	<3.65E-03	1,308,062	121,523	<4.20E+02	<4.87E+02	<2.44E-01
Reaction Area	Med	158		0.0021	0.0077	0.0059	0.0370	0.0033					
Reaction Area	Low	76		0.0018	0.0193	0.0045	0.1257	0.0054	1,952,050	181,351	973	1,127	0.56
Non-Reaction Area	High	232		0.0030	0.0059	0.0317	0.0987	0.0115	1,271,594	118,135	1,353	1,568	0.78
Non-Reaction Area	Med	131		<4.67E-03	0.0306	0.0278	0.0048	<1.36E-02	2,614,524	242,897	<2.25E+03	<2.61E+03	<1.30E+00
Non-Reaction Area	Med	86		0.0050	<8.92E-04	0.0030	0.0222	<4.93E-03					
Non-Reaction Area	Low	133		<6.90E-04	<9.26E-04	0.0047	0.0022	<2.13E-03	4,051,650	376,411	<8.01E+02	<9.28E+02	<4.64E-01
Non SEM Area								<6.54E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.84E+03**	**<9.08E+03**	**<4.54E+00**

Exceedance Area	0.1473
Reaction Area	<1.84E+00
Non-Reaction Area	<2.55E+00
Average Flux (mg/m2-min)	<6.54E-03
Membrane Flux (mg/m2-min)	NA

Propylene

115-07-1

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.00258	0.00263	<3.08E-05	<3.32E-05	<1.66E-03	925,950	86,024	<1.43E+02	<1.65E+02	<8.26E-02
Reaction Area	High	213		0.00397	0.00371	<1.09E-05	0.00638	<3.82E-03	158,135	14,691	<5.61E+01	<6.50E+01	<3.25E-02
Reaction Area	Med	197		0.00273	0.00255	0.00064	0.00419	0.00245	282,120	26,210	<4.03E+01	<4.66E+01	<2.33E-02
Reaction Area	Med	195		<3.05E-05	<1.58E-05	0.00187	0.01571	<6.18E-04					
Reaction Area	Low	149		0.00035	0.00339	0.00038	0.01213	0.00084	470,437	43,705	36.9	43	0.021
Membrane	High	204	M	0.00149	0.00106	0.00003	0.00142	0.00096	745,892	69,296	66.3	77	0.038
Membrane	Low	183	M	0.00198	0.00217	0.00009	0.00014	0.00109	1,408,075	130,814	142.4	165	0.082
Interface	High	75		0.00284	0.00251	<1.04E-05	0.00004	<2.36E-03	152,096	14,130	<3.33E+01	<3.86E+01	<1.93E-02
Interface	Med	158		0.00232	0.00257	<2.86E-05	<4.64E-05	<2.12E-03	282,777	26,271	<6.11E+01	<7.09E+01	<3.54E-02
Interface	Med	211	P	0.00282	0.00289	<4.57E-05	0.00857	<2.53E-03					
Interface	Low	76	P	0.00230	0.00209	<1.32E-05	<1.64E-05	<1.97E-03	542,044	50,358	<9.90E+01	<1.15E+02	<5.74E-02
Non-Reaction Area	High	232		0.00014	0.00046	0.00388	0.01407	0.00123	1,271,594	118,135	145.2	168	0.084
Non-Reaction Area	Med	131		0.00200	0.00263	0.00059	0.00010	0.00202	2,614,524	242,897	401.5	465	0.233
Non-Reaction Area	Med	86		0.00221	0.00006	0.00015	0.00376	0.00128					
Non-Reaction Area	Low	133		0.00004	<1.81E-05	0.00188	0.00186	<8.55E-04	4,051,650	376,411	<3.22E+02	<3.73E+02	<1.86E-01
Non SEM Area								<1.29E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.55E+03**	**<1.79E+03**	**<8.96E-01**

	(TPY)
Exceedance Area	<8.26E-02
Reaction Area	<7.72E-02
Membrane	0
Interface	<1.12E-01
Non-Reaction Area	<5.03E-01
Average Flux (mg/m2-min)	<1.29E-03
Reaction Area Flux (mg/m2-m)	<1.47E-03
Non-Reaction Area Flux (mg/m2-m)	<1.18E-03
Membrane Flux (mg/m2-min)	0.00
Interface Flux (mg/m2-min)	<2.13E-03

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0026	0.0026	<3.08E-05	<3.32E-05	<1.66E-03	925,950	86,024	<1.43E+02	<1.65E+02	<8.26E-02
Reaction Area	High	75		0.0015	0.0011	0.0000	0.0014	0.0010	781,464	72,600	69	80	0.04
Reaction Area	Med	204		<3.05E-05	<1.58E-05	0.0019	0.0157	<6.18E-04	1,308,062	121,523	<1.87E+02	<2.16E+02	<1.08E-01
Reaction Area	Med	158		0.0027	0.0026	0.0006	0.0042	0.0025					
Reaction Area	Low	76		0.0003	0.0034	0.0004	0.0121	0.0008	1,952,050	181,351	153	178	0.09
Non-Reaction Area	High	232		0.0001	0.0005	0.0039	0.0141	0.0012	1,271,594	118,135	145	168	0.08
Non-Reaction Area	Med	131		0.0020	0.0026	0.0006	0.0001	0.0020	2,614,524	242,897	401	465	0.23
Non-Reaction Area	Med	86		0.0022	0.0001	0.0001	0.0038	0.0013					
Non-Reaction Area	Low	133		0.0000	<1.81E-05	0.0019	0.0019	<8.55E-04	4,051,650	376,411	<3.22E+02	<3.73E+02	<1.86E-01
Non SEM Area								<1.18E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.42E+03**	**<1.65E+03**	**<8.23E-01**

Exceedance Area	<8.26E-02
Reaction Area	<2.37E-01
Non-Reaction Area	<5.03E-01
Average Flux (mg/m2-min)	<1.18E-03
Membrane Flux (mg/m2-min)	NA

Propylene (Corrected)

115-07-1

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.53E-05	<1.15E-05	<3.08E-05	<3.32E-05	<1.97E-05	925,950	86,024	<1.69E+00	<1.96E+00	<9.82E-04
Reaction Area	High	213		0.00125	0.00099	<1.09E-05	0.00402	<1.17E-03	158,135	14,691	<1.72E+01	<2.00E+01	<9.99E-03
Reaction Area	Med	197		<1.25E-05	<2.10E-05	<1.30E-05	0.00199	<1.37E-05	282,120	26,210	<4.63E-01	<5.37E-01	<2.68E-04
Reaction Area	Med	195		<3.05E-05	<1.58E-05	<2.16E-05	0.01218	<2.17E-05					
Reaction Area	Low	149		<1.15E-05	0.00071	<1.04E-05	0.00736	<1.23E-04	470,437	43,705	<5.39E+00	<6.25E+00	<3.12E-03
Membrane	High	204	M	<1.50E-05	0.00106	0.00003	<4.24E-05	<3.16E-04	745,892	69,296	<2.19E+01	<2.54E+01	<1.27E-02
Membrane	Low	183	M	<1.91E-05	<1.68E-05	0.00009	0.00014	<5.22E-05	1,408,075	130,814	<6.83E+00	<7.91E+00	<3.96E-03
Interface	High	75		0.00017	<1.05E-05	<1.04E-05	<1.05E-05	<1.06E-04	152,096	14,130	<1.50E+00	<1.74E+00	<8.71E-04
Interface	Med	158		<1.04E-05	<1.22E-05	<2.86E-05	<4.64E-05	<1.30E-05	282,777	26,271	<9.38E-01	<1.09E+00	<5.44E-04
Interface	Med	211	P	<1.19E-05	0.00031	<4.57E-05	0.00362	<5.84E-05					
Interface	Low	76	P	<1.67E-05	<2.12E-05	<1.32E-05	<1.64E-05	<1.73E-05	542,044	50,358	<8.70E-01	<1.01E+00	<5.04E-04
Non-Reaction Area	High	232		0.00014	0.00046	0.00032	0.01224	0.00026	1,271,594	118,135	30.6	35	0.018
Non-Reaction Area	Med	131		<9.20E-05	<2.62E-05	0.00059	0.00010	<1.24E-04	2,614,524	242,897	<4.03E+01	<4.67E+01	<2.33E-02
Non-Reaction Area	Med	86		<1.67E-05	0.00006	0.00015	0.00188	<2.08E-04					
Non-Reaction Area	Low	133		<1.36E-05	<1.81E-05	<3.34E-05	<1.69E-05	<2.09E-05	4,051,650	376,411	<7.86E+00	<9.11E+00	<4.55E-03
Non SEM Area								<1.13E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.36E+02**	**<1.57E+02**	**<7.86E-02**

	(TPY)
Exceedance Area	<9.82E-04
Reaction Area	<1.34E-02
Membrane	<1.66E-02
Interface	<1.92E-03
Non-Reaction Area	<4.56E-02
Average Flux (mg/m2-min)	<1.13E-04
Reaction Area Flux (mg/m2-m)	<1.23E-04
Non-Reaction Area Flux (mg/m2-m)	<1.07E-04
Membrane Flux (mg/m2-min)	<1.44E-04
Interface Flux (mg/m2-min)	<3.65E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.53E-05	<1.15E-05	<3.08E-05	<3.32E-05	<1.97E-05	925,950	86,024	<1.69E+00	<1.96E+00	<9.82E-04
Reaction Area	High	75		<1.50E-05	0.0011	0.0000	<4.24E-05	<3.16E-04	781,464	72,600	<2.29E+01	<2.66E+01	<1.33E-02
Reaction Area	Med	204		<3.05E-05	<1.58E-05	<2.16E-05	0.0122	<2.17E-05	1,308,062	121,523	<2.15E+00	<2.49E+00	<1.24E-03
Reaction Area	Med	158		<1.25E-05	<2.10E-05	<1.30E-05	0.0020	<1.37E-05					
Reaction Area	Low	76		<1.15E-05	0.0007	<1.04E-05	0.0074	<1.23E-04	1,952,050	181,351	<2.24E+01	<2.59E+01	<1.30E-02
Non-Reaction Area	High	232		0.0001	0.0005	0.0003	0.0122	0.0003	1,271,594	118,135	31	35	0.02
Non-Reaction Area	Med	131		<9.20E-05	<2.62E-05	0.0006	0.0001	<1.24E-04	2,614,524	242,897	<4.03E+01	<4.67E+01	<2.33E-02
Non-Reaction Area	Med	86		<1.67E-05	0.0001	0.0001	0.0019	<2.08E-04					
Non-Reaction Area	Low	133		<1.36E-05	<1.81E-05	<3.34E-05	<1.69E-05	<2.09E-05	4,051,650	376,411	<7.86E+00	<9.11E+00	<4.55E-03
Non SEM Area								<1.07E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.28E+02**	**<1.48E+02**	**<7.41E-02**

Exceedance Area	<9.82E-04
Reaction Area	<2.75E-02
Non-Reaction Area	<4.56E-02
Average Flux (mg/m2-min)	<1.07E-04
Membrane Flux (mg/m2-min)	NA

Methanol

67-56-1

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.00190	0.00182	0.00545	0.00466	0.00318	925,950	86,024	273.6	317	0.158
Reaction Area	High	213		0.00200	0.00215	0.00187	0.00128	0.00202	158,135	14,691	29.6	34	0.017
Reaction Area	Med	197		0.00054	0.00041	0.00087	0.00064	0.00056	282,120	26,210	33.8	39	0.020
Reaction Area	Med	195		0.00194	0.00232	0.00197	0.00097	0.00202					
Reaction Area	Low	149		0.00011	<4.04E-05	0.00010	<7.19E-05	<9.50E-05	470,437	43,705	<4.15E+00	<4.81E+00	<2.41E-03
Membrane	High	204	M	<5.74E-05	0.00122	<5.39E-05	<1.60E-04	<3.98E-04	745,892	69,296	<2.76E+01	<3.19E+01	<1.60E-02
Membrane	Low	183	M	<7.35E-05	<6.40E-05	<5.27E-05	0.00016	<6.04E-05	1,408,075	130,814	<7.90E+00	<9.15E+00	<4.58E-03
Interface	High	75		<4.04E-05	<4.04E-05	<4.02E-05	<4.03E-05	<4.03E-05	152,096	14,130	<5.70E-01	<6.60E-01	<3.30E-04
Interface	Med	158		<4.00E-05	<4.71E-05	0.00055	<1.79E-04	<1.01E-04	282,777	26,271	<2.11E+00	<2.44E+00	<1.22E-03
Interface	Med	211	P	<4.60E-05	<3.99E-05	<1.76E-04	0.00030	<5.90E-05					
Interface	Low	76	P	0.00049	0.00018	0.00016	<6.30E-05	<3.81E-04	542,044	50,358	<1.92E+01	<2.22E+01	<1.11E-02
Non-Reaction Area	High	232		0.00081	0.00033	0.00069	0.00012	0.00068	1,271,594	118,135	79.9	93	0.046
Non-Reaction Area	Med	131		<3.46E-04	<1.01E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<7.88E+01	<9.13E+01	<4.56E-02
Non-Reaction Area	Med	86		0.00033	0.00026	0.00061	<5.11E-05	<3.80E-04					
Non-Reaction Area	Low	133		<5.11E-05	<6.83E-05	<1.26E-04	<6.50E-05	<7.88E-05	4,051,650	376,411	<2.97E+01	<3.44E+01	<1.72E-02
Non SEM Area								<4.89E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<5.87E+02**	**<6.80E+02**	**<3.40E-01**

	(TPY)
Exceedance Area	0.1585
Reaction Area	<3.91E-02
Membrane	<2.05E-02
Interface	<1.27E-02
Non-Reaction Area	<1.09E-01
Average Flux (mg/m2-min)	<4.89E-04
Reaction Area Flux (mg/m2-m)	<8.63E-04
Non-Reaction Area Flux (mg/m2-m)	<2.55E-04
Membrane Flux (mg/m2-min)	<1.77E-04
Interface Flux (mg/m2-min)	<2.41E-04

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0019	0.0018	0.0054	0.0047	0.0032	925,950	86,024	274	317	0.158
Reaction Area	High	75		<5.74E-05	0.0012	<5.39E-05	<1.60E-04	<3.98E-04	781,464	72,600	<2.89E+01	<3.35E+01	<1.67E-02
Reaction Area	Med	204		0.0019	0.0023	0.0020	0.0010	0.0020	1,308,062	121,523	157	181	0.091
Reaction Area	Med	158		0.0005	0.0004	0.0009	0.0006	0.0006					
Reaction Area	Low	76		0.0001	<4.04E-05	0.0001	<7.19E-05	<9.50E-05	1,952,050	181,351	<1.72E+01	<2.00E+01	<9.98E-03
Non-Reaction Area	High	232		0.0008	0.0003	0.0007	0.0001	0.0007	1,271,594	118,135	80	93	0.046
Non-Reaction Area	Med	131		<3.46E-04	<1.01E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<7.88E+01	<9.13E+01	<4.56E-02
Non-Reaction Area	Med	86		0.0003	0.0003	0.0006	<5.11E-05	<3.80E-04					
Non-Reaction Area	Low	133		<5.11E-05	<6.83E-05	<1.26E-04	<6.50E-05	<7.88E-05	4,051,650	376,411	<2.97E+01	<3.44E+01	<1.72E-02
Non SEM Area								<5.54E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<6.65E+02**	**<7.70E+02**	**<3.85E-01**

Exceedance Area	0.1585
Reaction Area	<1.17E-01
Non-Reaction Area	<1.09E-01
Average Flux (mg/m2-min)	<5.54E-04
Membrane Flux (mg/m2-min)	NA

Acetone

67-64-1

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.00136	0.00125	0.00464	0.00416	0.00253	925,950	86,024	217.4	252	0.1260
Reaction Area	High	213		0.00121	0.00090	0.00073	0.00060	0.00115	158,135	14,691	16.9	20	0.0098
Reaction Area	Med	197		0.00104	0.00107	0.00107	0.00115	0.00105	282,120	26,210	<2.79E+01	<3.24E+01	<1.62E-02
Reaction Area	Med	195		0.00159	0.00092	0.00094	<9.92E-05	<1.08E-03					
Reaction Area	Low	149		0.00062	<7.33E-05	<7.29E-05	<1.31E-04	<3.78E-04	470,437	43,705	<1.65E+01	<1.92E+01	<9.58E-03
Membrane	High	204	M	0.00048	0.00236	0.00036	0.00123	0.00109	745,892	69,296	75.7	88	0.0439
Membrane	Low	183	M	0.00039	0.00033	0.00022	0.00323	0.00029	1,408,075	130,814	37.5	43	0.0217
Interface	High	75		0.00034	0.00031	<7.30E-05	<7.31E-05	<2.96E-04	152,096	14,130	<4.19E+00	<4.85E+00	<2.43E-03
Interface	Med	158		0.00042	<8.55E-05	<2.00E-04	<3.24E-04	<3.05E-04	282,777	26,271	<1.12E+01	<1.30E+01	<6.51E-03
Interface	Med	211	P	0.00063	0.00033	<3.19E-04	<1.72E-04	<5.50E-04					
Interface	Low	76	P	0.00084	0.00055	0.00037	0.00047	0.00071	542,044	50,358	35.9	42	0.0208
Non-Reaction Area	High	232		0.00149	0.00127	0.00111	0.00637	0.00134	1,271,594	118,135	158.1	183	0.0916
Non-Reaction Area	Med	131		0.00244	0.00060	0.00142	0.00064	0.00187	2,614,524	242,897	394.4	457	0.2285
Non-Reaction Area	Med	86		0.00154	0.00061	0.00188	0.00050	0.00138					
Non-Reaction Area	Low	133		0.00030	0.00031	0.00082	0.00066	0.00051	4,051,650	376,411	190.5	221	0.1104
Non SEM Area								<9.90E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.19E+03**	**<1.37E+03**	**<6.87E-01**

	(TPY)
Exceedance Area	0.1260
Reaction Area	<3.56E-02
Membrane	0.066
Interface	<2.97E-02
Non-Reaction Area	0.43
Average Flux (mg/m2-min)	<9.90E-04
Reaction Area Flux (mg/m2-m)	<9.61E-04
Non-Reaction Area Flux (mg/m2-m)	0.0010
Membrane Flux (mg/m2-min)	0.00057
Interface Flux (mg/m2-min)	<5.65E-04

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0014	0.0012	0.0046	0.0042	0.0025	925,950	86,024	217	252	0.1260
Reaction Area	High	75		0.0005	0.0024	0.0004	0.0012	0.0011	781,464	72,600	79	92	0.046
Reaction Area	Med	204		0.0016	0.0009	0.0009	<9.92E-05	<1.08E-03	1,308,062	121,523	<1.30E+02	<1.50E+02	<7.51E-02
Reaction Area	Med	158		0.0010	0.0011	0.0011	0.0011	0.0010					
Reaction Area	Low	76		0.0006	<7.33E-05	<7.29E-05	<1.31E-04	<3.78E-04	1,952,050	181,351	<6.86E+01	<7.95E+01	<3.98E-02
Non-Reaction Area	High	232		0.0015	0.0013	0.0011	0.0064	0.0013	1,271,594	118,135	158	183	0.092
Non-Reaction Area	Med	131		0.0024	0.0006	0.0014	0.0006	0.0019	2,614,524	242,897	394	457	0.23
Non-Reaction Area	Med	86		0.0015	0.0006	0.0019	0.0005	0.0014					
Non-Reaction Area	Low	133		0.0003	0.0003	0.0008	0.0007	0.0005	4,051,650	376,411	191	221	0.11
Non SEM Area								<1.03E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.24E+03**	**<1.43E+03**	**<7.17E-01**

Exceedance Area	0.1260
Reaction Area	<1.61E-01
Non-Reaction Area	0
Average Flux (mg/m2-min)	<1.03E-03
Membrane Flux (mg/m2-min)	NA

Toluene
108-88-3

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<6.78E-05	<5.09E-05	<1.37E-04	<1.48E-04	<8.75E-05	925,950	86,024	<7.53E+00	<8.73E+00	<4.36E-03
Reaction Area	High	213		<4.87E-05	<4.86E-05	0.00010	0.00017	<5.02E-05	158,135	14,691	<7.37E-01	<8.54E-01	<4.27E-04
Reaction Area	Med	197		<5.57E-05	<9.31E-05	0.00019	0.00214	<7.62E-05	282,120	26,210	<2.24E+00	<2.59E+00	<1.30E-03
Reaction Area	Med	195		<1.36E-04	<7.00E-05	<9.60E-05	0.00375	<9.47E-05					
Reaction Area	Low	149		<5.12E-05	<4.66E-05	0.00011	<8.30E-05	<6.75E-05	470,437	43,705	<2.95E+00	<3.42E+00	<1.71E-03
Membrane	High	204	M	<6.62E-05	0.00087	<6.22E-05	<1.84E-04	<3.07E-04	745,892	69,296	<2.13E+01	<2.46E+01	<1.23E-02
Membrane	Low	183	M	<8.48E-05	<7.37E-05	0.00018	<8.13E-05	<1.30E-04	1,408,075	130,814	<1.69E+01	<1.96E+01	<9.82E-03
Interface	High	75		<4.66E-05	<4.66E-05	<4.64E-05	<4.65E-05	<4.66E-05	152,096	14,130	<6.58E-01	<7.63E-01	<3.81E-04
Interface	Med	158		<4.62E-05	<5.43E-05	<1.27E-04	<2.06E-04	<5.77E-05	282,777	26,271	<1.65E+00	<1.92E+00	<9.58E-04
Interface	Med	211	P	<5.31E-05	<4.61E-05	<2.03E-04	0.00054	<6.82E-05					
Interface	Low	76	P	<7.43E-05	<9.41E-05	<5.89E-05	<7.27E-05	<7.68E-05	542,044	50,358	<3.87E+00	<4.48E+00	<2.24E-03
Non-Reaction Area	High	232		<7.16E-05	<8.80E-05	<1.12E-04	0.01340	<8.66E-05	1,271,594	118,135	<1.02E+01	<1.19E+01	<5.93E-03
Non-Reaction Area	Med	131		0.00087	<1.16E-04	<2.31E-04	<1.25E-04	<6.11E-04	2,614,524	242,897	<8.48E+01	<9.83E+01	<4.91E-02
Non-Reaction Area	Med	86		<7.40E-05	<7.58E-05	<1.20E-04	<5.86E-05	<8.73E-05					
Non-Reaction Area	Low	133		<5.87E-05	<7.84E-05	<1.44E-04	<7.50E-05	<9.06E-05	4,051,650	376,411	<3.41E+01	<3.95E+01	<1.98E-02
Non SEM Area								<1.56E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.87E+02**	**<2.17E+02**	**<1.08E-01**

	(TPY)
Exceedance Area	<4.36E-03
Reaction Area	<3.43E-03
Membrane	<2.21E-02
Interface	<3.58E-03
Non-Reaction Area	<7.48E-02
Average Flux (mg/m2-min)	<1.56E-04
Reaction Area Flux (mg/m2-m)	<1.25E-04
Non-Reaction Area Flux (mg/m2-m)	<1.75E-04
Membrane Flux (mg/m2-min)	<1.91E-04
Interface Flux (mg/m2-min)	<6.81E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<6.78E-05	<5.09E-05	<1.37E-04	<1.48E-04	<8.75E-05	925,950	86,024	<7.53E+00	<8.73E+00	<4.36E-03
Reaction Area	High	75		<6.62E-05	0.0009	<6.22E-05	<1.84E-04	<3.07E-04	781,464	72,600	<2.23E+01	<2.58E+01	<1.29E-02
Reaction Area	Med	204		<1.36E-04	<7.00E-05	<9.60E-05	0.0038	<9.47E-05	1,308,062	121,523	<1.04E+01	<1.20E+01	<6.02E-03
Reaction Area	Med	158		<5.57E-05	<9.31E-05	0.0002	0.0021	<7.62E-05					
Reaction Area	Low	76		<5.12E-05	<4.66E-05	0.0001	<8.30E-05	<6.75E-05	1,952,050	181,351	<1.22E+01	<1.42E+01	<7.09E-03
Non-Reaction Area	High	232		<7.16E-05	<8.80E-05	<1.12E-04	0.0134	<8.66E-05	1,271,594	118,135	<1.02E+01	<1.19E+01	<5.93E-03
Non-Reaction Area	Med	131		0.0009	<1.16E-04	<2.31E-04	<1.25E-04	<6.11E-04	2,614,524	242,897	<8.48E+01	<9.83E+01	<4.91E-02
Non-Reaction Area	Med	86		<7.40E-05	<7.58E-05	<1.20E-04	<5.86E-05	<8.73E-05					
Non-Reaction Area	Low	133		<5.87E-05	<7.84E-05	<1.44E-04	<7.50E-05	<9.06E-05	4,051,650	376,411	<3.41E+01	<3.95E+01	<1.98E-02
Non SEM Area								<1.51E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.82E+02**	**<2.10E+02**	**<1.05E-01**

Exceedance Area	<4.36E-03
Reaction Area	<2.60E-02
Non-Reaction Area	<7.48E-02
Average Flux (mg/m2-min)	<1.51E-04
Membrane Flux (mg/m2-min)	NA

Cyclohexane
110-82-7

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.57E-05	<1.18E-05	<3.18E-05	<3.42E-05	<2.03E-05	925,950	86,024	<1.75E+00	<2.02E+00	<1.01E-03
Reaction Area	High	213		<1.13E-05	<1.13E-05	<1.12E-05	0.00047	<1.13E-05	158,135	14,691	<1.66E-01	<1.92E-01	<9.62E-05
Reaction Area	Med	197		<1.29E-05	<2.16E-05	<1.34E-05	0.00193	<1.41E-05	282,120	26,210	<4.72E-01	<5.47E-01	<2.74E-04
Reaction Area	Med	195		<3.15E-05	<1.62E-05	<2.23E-05	0.00052	<2.20E-05					
Reaction Area	Low	149		<1.19E-05	0.00044	<1.08E-05	0.00144	<8.05E-05	470,437	43,705	<3.52E+00	<4.08E+00	<2.04E-03
Membrane	High	204	M	<1.53E-05	0.00028	<1.41E-05	<4.14E-05	<9.30E-05	745,892	69,296	<6.44E+00	<7.47E+00	<3.73E-03
Membrane	Low	183	M	<1.96E-05	<1.68E-05	<1.42E-05	<1.86E-05	<1.61E-05	1,408,075	130,814	<2.11E+00	<2.44E+00	<1.22E-03
Interface	High	75		<1.08E-05	<1.08E-05	<1.08E-05	<1.08E-05	<1.08E-05	152,096	14,130	<1.53E-01	<1.77E-01	<8.84E-05
Interface	Med	158		<1.07E-05	<1.26E-05	<2.95E-05	<4.79E-05	<1.34E-05	282,777	26,271	<3.84E-01	<4.45E-01	<2.23E-04
Interface	Med	211	P	<1.23E-05	<1.07E-05	<4.71E-05	0.00169	<1.59E-05					
Interface	Low	76	P	<1.72E-05	<2.18E-05	<1.37E-05	<1.69E-05	<1.78E-05	542,044	50,358	<8.97E-01	<1.04E+00	<5.20E-04
Non-Reaction Area	High	232		<1.66E-05	<2.06E-05	<2.63E-05	0.00839	<2.04E-05	1,271,594	118,135	<2.40E+00	<2.79E+00	<1.39E-03
Non-Reaction Area	Med	131		<9.20E-05	0.00018	0.00052	<2.81E-05	<1.56E-04	2,614,524	242,897	<2.14E+01	<2.48E+01	<1.24E-02
Non-Reaction Area	Med	86		<1.71E-05	<1.73E-05	<2.81E-05	<1.32E-05	<2.02E-05					
Non-Reaction Area	Low	133		<1.36E-05	<1.82E-05	<3.34E-05	<1.74E-05	<2.10E-05	4,051,650	376,411	<7.89E+00	<9.15E+00	<4.57E-03
Non SEM Area								<3.97E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<4.76E+01**	**<5.51E+01**	**<2.76E-02**

	(TPY)
Exceedance Area	<1.01E-03
Reaction Area	<2.41E-03
Membrane	<4.95E-03
Interface	<8.31E-04
Non-Reaction Area	<1.84E-02
Average Flux (mg/m2-min)	<3.97E-05
Reaction Area Flux (mg/m2-m)	<3.44E-05
Non-Reaction Area Flux (mg/m2-m)	<4.30E-05
Membrane Flux (mg/m2-min)	<4.27E-05
Interface Flux (mg/m2-min)	<1.58E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.57E-05	<1.18E-05	<3.18E-05	<3.42E-05	<2.03E-05	925,950	86,024	<1.75E+00	<2.02E+00	<1.01E-03
Reaction Area	High	75		<1.53E-05	0.0003	<1.41E-05	<4.14E-05	<9.30E-05	781,464	72,600	<6.75E+00	<7.82E+00	<3.91E-03
Reaction Area	Med	204		<3.15E-05	<1.62E-05	<2.23E-05	0.0005	<2.20E-05	1,308,062	121,523	<2.19E+00	<2.54E+00	<1.27E-03
Reaction Area	Med	158		<1.29E-05	<2.16E-05	<1.34E-05	0.0019	<1.41E-05					
Reaction Area	Low	76		<1.19E-05	0.0004	<1.08E-05	0.0014	<8.05E-05	1,952,050	181,351	<1.46E+01	<1.69E+01	<8.46E-03
Non-Reaction Area	High	232		<1.66E-05	<2.06E-05	<2.63E-05	0.0084	<2.04E-05	1,271,594	118,135	<2.40E+00	<2.79E+00	<1.39E-03
Non-Reaction Area	Med	131		<9.20E-05	0.0002	0.0005	<2.81E-05	<1.56E-04	2,614,524	242,897	<2.14E+01	<2.48E+01	<1.24E-02
Non-Reaction Area	Med	86		<1.71E-05	<1.73E-05	<2.81E-05	<1.32E-05	<2.02E-05					
Non-Reaction Area	Low	133		<1.36E-05	<1.82E-05	<3.34E-05	<1.74E-05	<2.10E-05	4,051,650	376,411	<7.89E+00	<9.15E+00	<4.57E-03
Non SEM Area								<4.75E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<5.70E+01**	**<6.60E+01**	**<3.30E-02**

Exceedance Area	<1.01E-03
Reaction Area	<1.36E-02
Non-Reaction Area	<1.84E-02
Average Flux (mg/m2-min)	<4.75E-05
Membrane Flux (mg/m2-min)	NA

Trichloroethene (TCE)
79-01-6

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.16E-05	0.00014	<2.33E-05	<2.51E-05	<6.02E-05	925,950	86,024	<5.18E+00	<6.00E+00	<3.00E-03
Reaction Area	High	213		0.00018	0.00019	<8.25E-06	<8.91E-06	<1.75E-04	158,135	14,691	<2.58E+00	<2.99E+00	<1.49E-03
Reaction Area	Med	197		0.00016	0.00015	<9.86E-06	<8.31E-06	<1.43E-04	282,120	26,210	<2.08E+00	<2.42E+00	<1.21E-03
Reaction Area	Med	195		<2.31E-05	<1.19E-05	<1.64E-05	0.00031	<1.61E-05					
Reaction Area	Low	149		<8.72E-06	0.00022	<7.90E-06	<1.41E-05	<4.17E-05	470,437	43,705	<1.82E+00	<2.11E+00	<1.06E-03
Membrane	High	204	M	<1.14E-05	0.00502	0.00416	<3.23E-05	<2.56E-03	745,892	69,296	<1.77E+02	<2.06E+02	<1.03E-01
Membrane	Low	183	M	<1.46E-05	<1.31E-05	0.00457	0.00028	<2.29E-03	1,408,075	130,814	<3.00E+02	<3.47E+02	<1.74E-01
Interface	High	75		0.00013	0.00015	<7.91E-06	<7.92E-06	<1.20E-04	152,096	14,130	<1.70E+00	<1.97E+00	<9.83E-04
Interface	Med	158		0.00015	0.00016	<2.16E-05	<3.51E-05	<1.39E-04	282,777	26,271	<3.83E+00	<4.44E+00	<2.22E-03
Interface	Med	211	P	0.00017	0.00017	<3.46E-05	<1.87E-05	<1.53E-04					
Interface	Low	76	P	0.00015	0.00014	<1.00E-05	<1.24E-05	<1.29E-04	542,044	50,358	<6.52E+00	<7.55E+00	<3.78E-03
Non-Reaction Area	High	232		0.00325	0.00365	0.00026	0.00060	0.00252	1,271,594	118,135	297.9	345	0.1726
Non-Reaction Area	Med	131		<7.18E-05	0.00043	0.00505	0.00479	<6.47E-04	2,614,524	242,897	<3.07E+02	<3.56E+02	<1.78E-01
Non-Reaction Area	Med	86		<1.34E-05	0.00372	0.00376	<1.03E-05	<1.88E-03					
Non-Reaction Area	Low	133		0.00319	0.00396	<2.61E-05	<1.35E-05	<1.98E-03	4,051,650	376,411	<7.46E+02	<8.64E+02	<4.32E-01
Non SEM Area								<1.54E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.85E+03**	**<2.15E+03**	**<1.07E+00**

	(TPY)
Exceedance Area	<3.00E-03
Reaction Area	<3.76E-03
Membrane	<2.76E-01
Interface	<6.98E-03
Non-Reaction Area	<7.83E-01
Average Flux (mg/m2-min)	<1.54E-03
Reaction Area Flux (mg/m2-m)	<1.09E-03
Non-Reaction Area Flux (mg/m2-m)	<1.83E-03
Membrane Flux (mg/m2-min)	<2.38E-03
Interface Flux (mg/m2-min)	<1.33E-04

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.16E-05	0.0001	<2.33E-05	<2.51E-05	<6.02E-05	925,950	86,024	<5.18E+00	<6.00E+00	<3.00E-03
Reaction Area	High	75		<1.14E-05	0.0050	0.0042	<3.23E-05	<2.56E-03	781,464	72,600	<1.86E+02	<2.15E+02	<1.08E-01
Reaction Area	Med	204		<2.31E-05	<1.19E-05	<1.64E-05	0.0003	<1.61E-05	1,308,062	121,523	<9.66E+00	<1.12E+01	<5.60E-03
Reaction Area	Med	158		0.0002	0.0001	<9.86E-06	<8.31E-06	<1.43E-04					
Reaction Area	Low	76		<8.72E-06	0.0002	<7.90E-06	<1.41E-05	<4.17E-05	1,952,050	181,351	<7.56E+00	<8.76E+00	<4.38E-03
Non-Reaction Area	High	232		0.0033	0.0037	0.0003	0.0006	0.0025	1,271,594	118,135	298	345	0.17
Non-Reaction Area	Med	131		<7.18E-05	0.0004	0.0050	0.0048	<6.47E-04	2,614,524	242,897	<3.07E+02	<3.56E+02	<1.78E-01
Non-Reaction Area	Med	86		<1.34E-05	0.0037	0.0038	<1.03E-05	<1.88E-03					
Non-Reaction Area	Low	133		0.0032	0.0040	<2.61E-05	<1.35E-05	<1.98E-03	4,051,650	376,411	<7.46E+02	<8.64E+02	<4.32E-01
Non SEM Area								<1.30E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.56E+03**	**<1.81E+03**	**<9.03E-01**

Exceedance Area	<3.00E-03
Reaction Area	<1.18E-01
Non-Reaction Area	<7.83E-01
Average Flux (mg/m2-min)	<1.30E-03
Membrane Flux (mg/m2-min)	NA

2-Butanone (MEK)
78-93-3

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<2.62E-05	<1.96E-05	<5.28E-05	<5.69E-05	<3.38E-05	925,950	86,024	<2.90E+00	<3.36E+00	<1.68E-03
Reaction Area	High	213		0.00036	<1.87E-05	<1.87E-05	<2.02E-05	<2.98E-04	158,135	14,691	<4.38E+00	<5.08E+00	<2.54E-03
Reaction Area	Med	197		0.00022	<3.59E-05	<2.23E-05	<1.88E-05	<1.72E-04	282,120	26,210	<2.73E+00	<3.16E+00	<1.58E-03
Reaction Area	Med	195		<5.23E-05	<2.70E-05	<3.70E-05	<2.43E-05	<3.65E-05					
Reaction Area	Low	149		<1.97E-05	<1.80E-05	<1.79E-05	<3.20E-05	<1.89E-05	470,437	43,705	<8.27E-01	<9.58E-01	<4.79E-04
Membrane	High	204	M	0.00021	0.00079	0.00010	0.00032	0.00036	745,892	69,296	24.9	29	0.0144
Membrane	Low	183	M	<3.28E-05	<2.89E-05	<2.38E-05	0.00012	<2.71E-05	1,408,075	130,814	<3.55E+00	<4.11E+00	<2.06E-03
Interface	High	75		<1.80E-05	<1.80E-05	<1.79E-05	<1.79E-05	<1.80E-05	152,096	14,130	<2.54E-01	<2.94E-01	<1.47E-04
Interface	Med	158		<1.78E-05	<2.10E-05	<4.90E-05	<7.96E-05	<2.23E-05	282,777	26,271	<6.37E-01	<7.39E-01	<3.69E-04
Interface	Med	211	P	<2.05E-05	<1.78E-05	<7.83E-05	<4.22E-05	<2.63E-05					
Interface	Low	76	P	0.00051	<3.63E-05	<2.27E-05	<2.80E-05	<3.39E-04	542,044	50,358	<1.71E+01	<1.98E+01	<9.90E-03
Non-Reaction Area	High	232		0.00017	0.00024	0.00017	0.00677	0.00019	1,271,594	118,135	22.0	25	0.0127
Non-Reaction Area	Med	131		0.00072	0.00021	0.00076	<4.94E-05	<5.91E-04	2,614,524	242,897	<1.41E+02	<1.64E+02	<8.18E-02
Non-Reaction Area	Med	86		0.00090	0.00012	0.00053	0.00006	0.00057					
Non-Reaction Area	Low	133		<2.33E-05	<3.11E-05	<5.72E-05	<2.90E-05	<3.58E-05	4,051,650	376,411	<1.35E+01	<1.56E+01	<7.80E-03
Non SEM Area								<1.95E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.34E+02**	**<2.71E+02**	**<1.36E-01**

	(TPY)
Exceedance Area	<1.68E-03
Reaction Area	<4.60E-03
Membrane	<1.65E-02
Interface	<1.04E-02
Non-Reaction Area	<1.02E-01
Average Flux (mg/m2-min)	<1.95E-04
Reaction Area Flux (mg/m2-m)	<1.24E-04
Non-Reaction Area Flux (mg/m2-m)	<2.40E-04
Membrane Flux (mg/m2-min)	<1.42E-04
Interface Flux (mg/m2-min)	<1.98E-04

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<2.62E-05	<1.96E-05	<5.28E-05	<5.69E-05	<3.38E-05	925,950	86,024	<2.90E+00	<3.36E+00	<1.68E-03
Reaction Area	High	75		0.0002	0.0008	0.0001	0.0003	0.0004	781,464	72,600	26	30	0.015
Reaction Area	Med	204		<5.23E-05	<2.70E-05	<3.70E-05	<2.43E-05	<3.65E-05	1,308,062	121,523	<1.26E+01	<1.47E+01	<7.33E-03
Reaction Area	Med	158		0.0002	<3.59E-05	<2.23E-05	<1.88E-05	<1.72E-04					
Reaction Area	Low	76		<1.97E-05	<1.80E-05	<1.79E-05	<3.20E-05	<1.89E-05	1,952,050	181,351	<3.43E+00	<3.98E+00	<1.99E-03
Non-Reaction Area	High	232		0.0002	0.0002	0.0002	0.0068	0.0002	1,271,594	118,135	22	25	0.013
Non-Reaction Area	Med	131		0.0007	0.0002	0.0008	<4.94E-05	<5.91E-04	2,614,524	242,897	<1.41E+02	<1.64E+02	<8.18E-02
Non-Reaction Area	Med	86		0.0009	0.0001	0.0005	0.0001	0.0006					
Non-Reaction Area	Low	133		<2.33E-05	<3.11E-05	<5.72E-05	<2.90E-05	<3.58E-05	4,051,650	376,411	<1.35E+01	<1.56E+01	<7.80E-03
Non SEM Area								<1.85E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.22E+02**	**<2.57E+02**	**<1.28E-01**

Exceedance Area	<1.68E-03
Reaction Area	<2.44E-02
Non-Reaction Area	<1.02E-01
Average Flux (mg/m2-min)	<1.85E-04
Membrane Flux (mg/m2-min)	NA

Tetrahydrofuran
109-99-9

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.35E-05	<1.01E-05	0.00116	<2.93E-05	<4.34E-04	925,950	86,024	<3.74E+01	<4.33E+01	<2.16E-02
Reaction Area	High	213		<9.67E-06	<9.65E-06	<9.62E-06	<1.04E-05	<9.67E-06	158,135	14,691	<1.42E-01	<1.65E-01	<8.23E-05
Reaction Area	Med	197		<1.11E-05	<1.85E-05	<1.15E-05	0.00054	<1.20E-05	282,120	26,210	<4.04E-01	<4.69E-01	<2.34E-04
Reaction Area	Med	195		<2.69E-05	<1.39E-05	<1.91E-05	0.00115	<1.88E-05					
Reaction Area	Low	149		<1.02E-05	<9.26E-06	<9.21E-06	<1.65E-05	<9.75E-06	470,437	43,705	<4.26E-01	<4.94E-01	<2.47E-04
Membrane	High	204	M	0.00016	0.00566	<1.20E-05	<3.55E-05	<1.62E-03	745,892	69,296	<1.13E+02	<1.30E+02	<6.52E-02
Membrane	Low	183	M	<1.68E-05	<1.44E-05	<1.22E-05	<1.59E-05	<1.38E-05	1,408,075	130,814	<1.80E+00	<2.09E+00	<1.05E-03
Interface	High	75		<9.26E-06	<9.26E-06	<9.22E-06	<9.24E-06	<9.25E-06	152,096	14,130	<1.31E-01	<1.51E-01	<7.57E-05
Interface	Med	158		<9.17E-06	<1.08E-05	<2.52E-05	<4.10E-05	<1.15E-05	282,777	26,271	<3.28E-01	<3.81E-01	<1.90E-04
Interface	Med	211	P	<1.05E-05	<9.16E-06	<4.03E-05	<2.18E-05	<1.35E-05					
Interface	Low	76	P	<1.48E-05	<1.87E-05	<1.17E-05	<1.44E-05	<1.53E-05	542,044	50,358	<7.68E-01	<8.90E-01	<4.45E-04
Non-Reaction Area	High	232		<1.42E-05	<1.77E-05	<2.25E-05	0.00405	<1.73E-05	1,271,594	118,135	<2.05E+00	<2.37E+00	<1.19E-03
Non-Reaction Area	Med	131		<7.88E-05	<2.30E-05	0.00037	<2.41E-05	<9.23E-05	2,614,524	242,897	<4.77E+01	<5.53E+01	<2.76E-02
Non-Reaction Area	Med	86		0.00058	<1.48E-05	0.00017	<1.13E-05	<3.00E-04					
Non-Reaction Area	Low	133		<1.16E-05	<1.55E-05	<2.86E-05	<1.49E-05	<1.80E-05	4,051,650	376,411	<6.76E+00	<7.83E+00	<3.92E-03
Non SEM Area								<1.76E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.10E+02**	**<2.44E+02**	**<1.22E-01**

	(TPY)
Exceedance Area	<2.16E-02
Reaction Area	<5.63E-04
Membrane	<6.63E-02
Interface	<7.11E-04
Non-Reaction Area	<3.27E-02
Average Flux (mg/m2-min)	<1.76E-04
Reaction Area Flux (mg/m2-m)	<3.34E-04
Non-Reaction Area Flux (mg/m2-m)	<7.66E-05
Membrane Flux (mg/m2-min)	<5.72E-04
Interface Flux (mg/m2-min)	<1.35E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.35E-05	<1.01E-05	0.0012	<2.93E-05	<4.34E-04	925,950	86,024	<3.74E+01	<4.33E+01	<2.16E-02
Reaction Area	High	75		0.0002	0.0057	<1.20E-05	<3.55E-05	<1.62E-03	781,464	72,600	<1.18E+02	<1.37E+02	<6.83E-02
Reaction Area	Med	204		<2.69E-05	<1.39E-05	<1.91E-05	0.0011	<1.88E-05	1,308,062	121,523	<1.88E+00	<2.17E+00	<1.09E-03
Reaction Area	Med	158		<1.11E-05	<1.85E-05	<1.15E-05	0.0005	<1.20E-05					
Reaction Area	Low	76		<1.02E-05	<9.26E-06	<9.21E-06	<1.65E-05	<9.75E-06	1,952,050	181,351	<1.77E+00	<2.05E+00	<1.02E-03
Non-Reaction Area	High	232		<1.42E-05	<1.77E-05	<2.25E-05	0.0041	<1.73E-05	1,271,594	118,135	<2.05E+00	<2.37E+00	<1.19E-03
Non-Reaction Area	Med	131		<7.88E-05	<2.30E-05	0.0004	<2.41E-05	<9.23E-05	2,614,524	242,897	<4.77E+01	<5.53E+01	<2.76E-02
Non-Reaction Area	Med	86		0.0006	<1.48E-05	0.0002	<1.13E-05	<3.00E-04					
Non-Reaction Area	Low	133		<1.16E-05	<1.55E-05	<2.86E-05	<1.49E-05	<1.80E-05	4,051,650	376,411	<6.76E+00	<7.83E+00	<3.92E-03
Non SEM Area								<1.80E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.15E+02**	**<2.50E+02**	**<1.25E-01**

Exceedance Area	<2.16E-02
Reaction Area	<7.04E-02
Non-Reaction Area	<3.27E-02
Average Flux (mg/m2-min)	<1.80E-04
Membrane Flux (mg/m2-min)	NA

n-Heptane
142-82-5

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.63E-05	<2.73E-05	<7.34E-05	<7.91E-05	<4.69E-05	925,950	86,024	<4.04E+00	<4.68E+00	<2.34E-03
Reaction Area	High	213		<2.61E-05	<2.60E-05	<2.59E-05	<2.80E-05	<2.61E-05	158,135	14,691	<3.83E-01	<4.44E-01	<2.22E-04
Reaction Area	Med	197		<2.98E-05	<4.99E-05	<3.10E-05	<2.61E-05	<3.24E-05	282,120	26,210	<1.09E+00	<1.26E+00	<6.31E-04
Reaction Area	Med	195		<7.27E-05	<3.75E-05	<5.14E-05	0.00082	<5.07E-05					
Reaction Area	Low	149		<2.74E-05	0.00022	<2.48E-05	<4.45E-05	<5.69E-05	470,437	43,705	<2.49E+00	<2.88E+00	<1.44E-03
Membrane	High	204	M	<3.56E-05	0.00043	<3.34E-05	<1.01E-04	<1.56E-04	745,892	69,296	<1.08E+01	<1.26E+01	<6.28E-03
Membrane	Low	183	M	<4.56E-05	<4.01E-05	<3.30E-05	<4.42E-05	<3.77E-05	1,408,075	130,814	<4.93E+00	<5.72E+00	<2.86E-03
Interface	High	75		<2.50E-05	<2.50E-05	<2.49E-05	<2.49E-05	<2.50E-05	152,096	14,130	<3.53E-01	<4.09E-01	<2.04E-04
Interface	Med	158		<2.47E-05	<2.91E-05	<6.81E-05	<1.11E-04	<3.09E-05	282,777	26,271	<8.86E-01	<1.03E+00	<5.13E-04
Interface	Med	211	P	<2.84E-05	<2.47E-05	<1.09E-04	<5.87E-05	<3.65E-05					
Interface	Low	76	P	<3.98E-05	<5.04E-05	<3.15E-05	<3.90E-05	<4.12E-05	542,044	50,358	<2.07E+00	<2.40E+00	<1.20E-03
Non-Reaction Area	High	232		<3.85E-05	<4.79E-05	<6.12E-05	0.00786	<4.69E-05	1,271,594	118,135	<5.54E+00	<6.42E+00	<3.21E-03
Non-Reaction Area	Med	131		<2.19E-04	<6.24E-05	<1.26E-04	<6.86E-05	<1.70E-04	2,614,524	242,897	<2.63E+01	<3.05E+01	<1.53E-02
Non-Reaction Area	Med	86		<3.98E-05	<4.12E-05	<6.52E-05	<3.23E-05	<4.73E-05					
Non-Reaction Area	Low	133		<3.23E-05	<4.32E-05	<7.95E-05	<4.03E-05	<4.97E-05	4,051,650	376,411	<1.87E+01	<2.17E+01	<1.08E-02
Non SEM Area								<6.48E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.77E+01**	**<9.00E+01**	**<4.50E-02**

	(TPY)
Exceedance Area	<2.34E-03
Reaction Area	<2.29E-03
Membrane	<9.13E-03
Interface	<1.92E-03
Non-Reaction Area	<2.93E-02
Average Flux (mg/m2-min)	<6.48E-05
Reaction Area Flux (mg/m2-m)	<5.87E-05
Non-Reaction Area Flux (mg/m2-m)	<6.86E-05
Membrane Flux (mg/m2-min)	<7.88E-05
Interface Flux (mg/m2-min)	<3.65E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.63E-05	<2.73E-05	<7.34E-05	<7.91E-05	<4.69E-05	925,950	86,024	<4.04E+00	<4.68E+00	<2.34E-03
Reaction Area	High	75		<3.56E-05	0.0004	<3.34E-05	<1.01E-04	<1.56E-04	781,464	72,600	<1.14E+01	<1.32E+01	<6.58E-03
Reaction Area	Med	204		<7.27E-05	<3.75E-05	<5.14E-05	0.0008	<5.07E-05	1,308,062	121,523	<5.05E+00	<5.85E+00	<2.93E-03
Reaction Area	Med	158		<2.98E-05	<4.99E-05	<3.10E-05	<2.61E-05	<3.24E-05					
Reaction Area	Low	76		<2.74E-05	0.0002	<2.48E-05	<4.45E-05	<5.69E-05	1,952,050	181,351	<1.03E+01	<1.20E+01	<5.98E-03
Non-Reaction Area	High	232		<3.85E-05	<4.79E-05	<6.12E-05	0.0079	<4.69E-05	1,271,594	118,135	<5.54E+00	<6.42E+00	<3.21E-03
Non-Reaction Area	Med	131		<2.19E-04	<6.24E-05	<1.26E-04	<6.86E-05	<1.70E-04	2,614,524	242,897	<2.63E+01	<3.05E+01	<1.53E-02
Non-Reaction Area	Med	86		<3.98E-05	<4.12E-05	<6.52E-05	<3.23E-05	<4.73E-05					
Non-Reaction Area	Low	133		<3.23E-05	<4.32E-05	<7.95E-05	<4.03E-05	<4.97E-05	4,051,650	376,411	<1.87E+01	<2.17E+01	<1.08E-02
Non SEM Area								<6.79E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<8.14E+01**	**<9.43E+01**	**<4.71E-02**

Exceedance Area	<2.34E-03
Reaction Area	<1.55E-02
Non-Reaction Area	<2.93E-02
Average Flux (mg/m2-min)	<6.79E-05
Membrane Flux (mg/m2-min)	NA

m,p-Xylenes
1330-20-7

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	213		<2.77E-05	<2.76E-05	<2.75E-05	0.00086	<2.77E-05	158,135	14,691	<4.06E-01	<4.71E-01	<2.35E-04
Reaction Area	Med	197		<3.16E-05	<5.29E-05	<3.29E-05	0.00156	<3.44E-05	282,120	26,210	<1.16E+00	<1.34E+00	<6.70E-04
Reaction Area	Med	195		<7.70E-05	<3.98E-05	<5.45E-05	0.00473	<5.39E-05					
Reaction Area	Low	149		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	470,437	43,705	<1.22E+00	<1.41E+00	<7.06E-04
Membrane	High	204	M	0.00017	0.00074	0.00010	<1.07E-04	<2.98E-04	745,892	69,296	<2.07E+01	<2.40E+01	<1.20E-02
Membrane	Low	183	M	<4.83E-05	<4.25E-05	0.00014	0.00043	<9.33E-05	1,408,075	130,814	<1.22E+01	<1.41E+01	<7.07E-03
Interface	High	75		<2.65E-05	<2.65E-05	<2.64E-05	<2.64E-05	<2.65E-05	152,096	14,130	<3.74E-01	<4.33E-01	<2.17E-04
Interface	Med	158		<2.62E-05	<3.09E-05	<7.22E-05	<1.17E-04	<3.28E-05	282,777	26,271	<9.39E-01	<1.09E+00	<5.44E-04
Interface	Med	211	P	<3.01E-05	<2.62E-05	<1.15E-04	<6.22E-05	<3.87E-05					
Interface	Low	76	P	<4.22E-05	<5.34E-05	<3.34E-05	<4.13E-05	<4.36E-05	542,044	50,358	<2.20E+00	<2.55E+00	<1.27E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.00229	<4.95E-05	1,271,594	118,135	<5.85E+00	<6.78E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<8.10E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.71E+01**	**<1.12E+02**	**<5.62E-02**

	(TPY)
Exceedance Area	<2.48E-03
Reaction Area	<1.61E-03
Membrane	<1.91E-02
Interface	<2.03E-03
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<8.10E-05
Reaction Area Flux (mg/m2-m)	<9.42E-05
Non-Reaction Area Flux (mg/m2-m)	<7.27E-05
Membrane Flux (mg/m2-min)	<1.64E-04
Interface Flux (mg/m2-min)	<3.87E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	75		0.0002	0.0007	0.0001	<1.07E-04	<2.98E-04	781,464	72,600	<2.17E+01	<2.51E+01	<1.25E-02
Reaction Area	Med	204		<7.70E-05	<3.98E-05	<5.45E-05	0.0047	<5.39E-05	1,308,062	121,523	<5.36E+00	<6.22E+00	<3.11E-03
Reaction Area	Med	158		<3.16E-05	<5.29E-05	<3.29E-05	0.0016	<3.44E-05					
Reaction Area	Low	76		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	1,952,050	181,351	<5.06E+00	<5.86E+00	<2.93E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.0023	<4.95E-05	1,271,594	118,135	<5.85E+00	<6.78E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<7.50E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.00E+01**	**<1.04E+02**	**<5.21E-02**

Exceedance Area	<2.48E-03
Reaction Area	<1.86E-02
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<7.50E-05
Membrane Flux (mg/m2-min)	NA

Benzene
71-43-2

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.00E-04	<7.54E-05	<2.03E-04	<2.18E-04	<1.30E-04	925,950	86,024	<1.12E+01	<1.29E+01	<6.46E-03
Reaction Area	High	213		<7.21E-05	<7.20E-05	<7.17E-05	<7.75E-05	<7.21E-05	158,135	14,691	<1.06E+00	<1.23E+00	<6.13E-04
Reaction Area	Med	197		<8.25E-05	<1.38E-04	<8.57E-05	0.00052	<8.96E-05	282,120	26,210	<3.01E+00	<3.49E+00	<1.74E-03
Reaction Area	Med	195		<2.01E-04	<1.04E-04	<1.42E-04	0.00108	<1.40E-04					
Reaction Area	Low	149		<7.58E-05	<6.90E-05	<6.86E-05	<1.23E-04	<7.27E-05	470,437	43,705	<3.18E+00	<3.68E+00	<1.84E-03
Membrane	High	204	M	0.00027	0.00353	0.00036	0.00101	0.00132	745,892	69,296	91.8	106	0.0532
Membrane	Low	183	M	0.00038	0.00024	0.00098	0.00026	0.00064	1,408,075	130,814	83.8	97	0.0485
Interface	High	75		<6.90E-05	<6.90E-05	<6.88E-05	<6.89E-05	<6.90E-05	152,096	14,130	<9.74E-01	<1.13E+00	<5.65E-04
Interface	Med	158		<6.84E-05	<8.05E-05	<1.88E-04	<3.06E-04	<8.55E-05	282,777	26,271	<2.45E+00	<2.84E+00	<1.42E-03
Interface	Med	211	P	<7.86E-05	<6.83E-05	<3.01E-04	<1.62E-04	<1.01E-04					
Interface	Low	76	P	<1.10E-04	<1.39E-04	<8.72E-05	<1.08E-04	<1.14E-04	542,044	50,358	<5.73E+00	<6.64E+00	<3.32E-03
Non-Reaction Area	High	232		<1.06E-04	<1.31E-04	0.00036	0.00179	<1.80E-04	1,271,594	118,135	<2.13E+01	<2.47E+01	<1.23E-02
Non-Reaction Area	Med	131		<5.93E-04	<1.72E-04	<3.43E-04	0.00043	<4.60E-04	2,614,524	242,897	<7.17E+01	<8.30E+01	<4.15E-02
Non-Reaction Area	Med	86		<1.10E-04	<1.12E-04	<1.79E-04	<8.72E-05	<1.30E-04					
Non-Reaction Area	Low	133		<8.76E-05	<1.17E-04	<2.15E-04	<1.11E-04	<1.35E-04	4,051,650	376,411	<5.08E+01	<5.89E+01	<2.94E-02
Non SEM Area								<2.89E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<3.47E+02**	**<4.02E+02**	**<2.01E-01**

	(TPY)
Exceedance Area	<6.46E-03
Reaction Area	<4.20E-03
Membrane	0.102
Interface	<5.30E-03
Non-Reaction Area	<8.33E-02
Average Flux (mg/m2-min)	<2.89E-04
Reaction Area Flux (mg/m2-m)	<4.40E-04
Non-Reaction Area Flux (mg/m2-m)	<1.95E-04
Membrane Flux (mg/m2-min)	0.00088
Interface Flux (mg/m2-min)	<1.01E-04

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.00E-04	<7.54E-05	<2.03E-04	<2.18E-04	<1.30E-04	925,950	86,024	<1.12E+01	<1.29E+01	<6.46E-03
Reaction Area	High	75		0.0003	0.0035	0.0004	0.0010	0.0013	781,464	72,600	96	111	0.056
Reaction Area	Med	204		<2.01E-04	<1.04E-04	<1.42E-04	0.0011	<1.40E-04	1,308,062	121,523	<1.40E+01	<1.62E+01	<8.09E-03
Reaction Area	Med	158		<8.25E-05	<1.38E-04	<8.57E-05	0.0005	<8.96E-05					
Reaction Area	Low	76		<7.58E-05	<6.90E-05	<6.86E-05	<1.23E-04	<7.27E-05	1,952,050	181,351	<1.32E+01	<1.53E+01	<7.64E-03
Non-Reaction Area	High	232		<1.06E-04	<1.31E-04	0.0004	0.0018	<1.80E-04	1,271,594	118,135	<2.13E+01	<2.47E+01	<1.23E-02
Non-Reaction Area	Med	131		<5.93E-04	<1.72E-04	<3.43E-04	0.0004	<4.60E-04	2,614,524	242,897	<7.17E+01	<8.30E+01	<4.15E-02
Non-Reaction Area	Med	86		<1.10E-04	<1.12E-04	<1.79E-04	<8.72E-05	<1.30E-04					
Non-Reaction Area	Low	133		<8.76E-05	<1.17E-04	<2.15E-04	<1.11E-04	<1.35E-04	4,051,650	376,411	<5.08E+01	<5.89E+01	<2.94E-02
Non SEM Area								<2.32E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.78E+02**	**<3.22E+02**	**<1.61E-01**

Exceedance Area	<6.46E-03
Reaction Area	<7.14E-02
Non-Reaction Area	<8.33E-02
Average Flux (mg/m2-min)	<2.32E-04
Membrane Flux (mg/m2-min)	NA

o-Xylene
95-47-6

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	213		<2.77E-05	<2.76E-05	<2.75E-05	0.00059	<2.77E-05	158,135	14,691	<4.06E-01	<4.71E-01	<2.35E-04
Reaction Area	Med	197		<3.16E-05	<5.29E-05	<3.29E-05	0.00053	<3.44E-05	282,120	26,210	<1.16E+00	<1.34E+00	<6.70E-04
Reaction Area	Med	195		<7.70E-05	<3.98E-05	<5.45E-05	0.00394	<5.39E-05					
Reaction Area	Low	149		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	470,437	43,705	<1.22E+00	<1.41E+00	<7.06E-04
Membrane	High	204	M	<3.78E-05	0.00035	<3.54E-05	<1.07E-04	<1.35E-04	745,892	69,296	<9.38E+00	<1.09E+01	<5.43E-03
Membrane	Low	183	M	<4.83E-05	<4.25E-05	<3.50E-05	0.00021	<4.00E-05	1,408,075	130,814	<5.23E+00	<6.06E+00	<3.03E-03
Interface	High	75		<2.65E-05	<2.65E-05	<2.64E-05	<2.64E-05	<2.65E-05	152,096	14,130	<3.74E-01	<4.33E-01	<2.17E-04
Interface	Med	158		<2.62E-05	<3.09E-05	<7.22E-05	<1.17E-04	<3.28E-05	282,777	26,271	<9.39E-01	<1.09E+00	<5.44E-04
Interface	Med	211	P	<3.01E-05	<2.62E-05	<1.15E-04	<6.22E-05	<3.87E-05					
Interface	Low	76	P	<4.22E-05	<5.34E-05	<3.34E-05	<4.13E-05	<4.36E-05	542,044	50,358	<2.20E+00	<2.55E+00	<1.27E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.00055	<4.95E-05	1,271,594	118,135	<5.84E+00	<6.77E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<6.57E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.88E+01**	**<9.13E+01**	**<4.56E-02**

	(TPY)
Exceedance Area	<2.48E-03
Reaction Area	<1.61E-03
Membrane	<8.46E-03
Interface	<2.03E-03
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<6.57E-05
Reaction Area Flux (mg/m2-m)	<5.46E-05
Non-Reaction Area Flux (mg/m2-m)	<7.27E-05
Membrane Flux (mg/m2-min)	<7.30E-05
Interface Flux (mg/m2-min)	<3.87E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	75		<3.78E-05	0.0003	<3.54E-05	<1.07E-04	<1.35E-04	781,464	72,600	<9.83E+00	<1.14E+01	<5.69E-03
Reaction Area	Med	204		<7.70E-05	<3.98E-05	<5.45E-05	0.0039	<5.39E-05	1,308,062	121,523	<5.36E+00	<6.21E+00	<3.11E-03
Reaction Area	Med	158		<3.16E-05	<5.29E-05	<3.29E-05	0.0005	<3.44E-05					
Reaction Area	Low	76		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	1,952,050	181,351	<5.06E+00	<5.86E+00	<2.93E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.0005	<4.95E-05	1,271,594	118,135	<5.84E+00	<6.77E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<6.52E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.81E+01**	**<9.05E+01**	**<4.53E-02**

Exceedance Area	<2.48E-03
Reaction Area	<1.17E-02
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<6.52E-05
Membrane Flux (mg/m2-min)	NA

Hexane
110-54-3

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.13E-05	<2.35E-05	<6.32E-05	<6.80E-05	<4.04E-05	925,950	86,024	<3.47E+00	<4.02E+00	<2.01E-03
Reaction Area	High	213		<2.24E-05	<2.24E-05	<2.23E-05	<2.41E-05	<2.24E-05	158,135	14,691	<3.30E-01	<3.82E-01	<1.91E-04
Reaction Area	Med	197		<2.57E-05	<4.29E-05	<2.67E-05	0.00255	<2.80E-05	282,120	26,210	<9.38E-01	<1.09E+00	<5.43E-04
Reaction Area	Med	195		<6.25E-05	<3.23E-05	<4.43E-05	<2.91E-05	<4.36E-05					
Reaction Area	Low	149		<2.36E-05	<2.15E-05	<2.14E-05	<3.83E-05	<2.26E-05	470,437	43,705	<9.89E-01	<1.15E+00	<5.73E-04
Membrane	High	204	M	<3.07E-05	<3.20E-05	<2.88E-05	<8.69E-05	<3.99E-05	745,892	69,296	<2.76E+00	<3.20E+00	<1.60E-03
Membrane	Low	183	M	<3.92E-05	<3.45E-05	<2.84E-05	<3.81E-05	<3.24E-05	1,408,075	130,814	<4.24E+00	<4.92E+00	<2.46E-03
Interface	High	75		<2.15E-05	<2.15E-05	<2.14E-05	<2.14E-05	<2.15E-05	152,096	14,130	<3.03E-01	<3.52E-01	<1.76E-04
Interface	Med	158		<2.13E-05	<2.51E-05	<5.86E-05	<9.51E-05	<2.66E-05	282,777	26,271	<7.62E-01	<8.83E-01	<4.42E-04
Interface	Med	211	P	<2.45E-05	<2.13E-05	<9.36E-05	<5.05E-05	<3.14E-05					
Interface	Low	76	P	<3.42E-05	<4.34E-05	<2.71E-05	<3.35E-05	<3.54E-05	542,044	50,358	<1.78E+00	<2.07E+00	<1.03E-03
Non-Reaction Area	High	232		<3.31E-05	<4.12E-05	0.00020	0.00182	<7.97E-05	1,271,594	118,135	<9.42E+00	<1.09E+01	<5.46E-03
Non-Reaction Area	Med	131		<1.88E-04	<5.37E-05	0.00035	<5.90E-05	<1.69E-04	2,614,524	242,897	<2.61E+01	<3.03E+01	<1.51E-02
Non-Reaction Area	Med	86		<3.42E-05	<3.55E-05	<5.61E-05	0.00010	<4.63E-05					
Non-Reaction Area	Low	133		<2.78E-05	0.00073	0.00022	<3.46E-05	<2.75E-04	4,051,650	376,411	<1.03E+02	<1.20E+02	<5.99E-02
Non SEM Area								<1.29E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.54E+02**	**<1.79E+02**	**<8.95E-02**

	(TPY)
Exceedance Area	<2.01E-03
Reaction Area	<1.31E-03
Membrane	<4.06E-03
Interface	<1.65E-03
Non-Reaction Area	<8.05E-02
Average Flux (mg/m2-min)	<1.29E-04
Reaction Area Flux (mg/m2-m)	<3.38E-05
Non-Reaction Area Flux (mg/m2-m)	<1.88E-04
Membrane Flux (mg/m2-min)	<3.50E-05
Interface Flux (mg/m2-min)	<3.14E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.13E-05	<2.35E-05	<6.32E-05	<6.80E-05	<4.04E-05	925,950	86,024	<3.47E+00	<4.02E+00	<2.01E-03
Reaction Area	High	75		<3.07E-05	<3.20E-05	<2.88E-05	<8.69E-05	<3.99E-05	781,464	72,600	<2.90E+00	<3.36E+00	<1.68E-03
Reaction Area	Med	204		<6.25E-05	<3.23E-05	<4.43E-05	<2.91E-05	<4.36E-05	1,308,062	121,523	<4.35E+00	<5.04E+00	<2.52E-03
Reaction Area	Med	158		<2.57E-05	<4.29E-05	<2.67E-05	0.0025	<2.80E-05					
Reaction Area	Low	76		<2.36E-05	<2.15E-05	<2.14E-05	<3.83E-05	<2.26E-05	1,952,050	181,351	<4.10E+00	<4.75E+00	<2.38E-03
Non-Reaction Area	High	232		<3.31E-05	<4.12E-05	0.0002	0.0018	<7.97E-05	1,271,594	118,135	<9.42E+00	<1.09E+01	<5.46E-03
Non-Reaction Area	Med	131		<1.88E-04	<5.37E-05	0.0003	<5.90E-05	<1.69E-04	2,614,524	242,897	<2.61E+01	<3.03E+01	<1.51E-02
Non-Reaction Area	Med	86		<3.42E-05	<3.55E-05	<5.61E-05	0.0001	<4.63E-05					
Non-Reaction Area	Low	133		<2.78E-05	0.0007	0.0002	<3.46E-05	<2.75E-04	4,051,650	376,411	<1.03E+02	<1.20E+02	<5.99E-02
Non SEM Area								<1.28E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.54E+02**	**<1.78E+02**	**<8.91E-02**

Exceedance Area	<2.01E-03
Reaction Area	<6.57E-03
Non-Reaction Area	<8.05E-02
Average Flux (mg/m2-min)	<1.28E-04
Membrane Flux (mg/m2-min)	NA

Chloroform
67-66-3

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<2.23E-05	<1.68E-05	<4.51E-05	<4.85E-05	<2.88E-05	925,950	86,024	<2.48E+00	<2.87E+00	<1.44E-03
Reaction Area	High	213		<1.60E-05	<1.60E-05	<1.59E-05	<1.72E-05	<1.60E-05	158,135	14,691	<2.35E-01	<2.73E-01	<1.36E-04
Reaction Area	Med	197		<1.83E-05	<3.06E-05	<1.90E-05	<1.60E-05	<1.99E-05	282,120	26,210	<6.71E-01	<7.77E-01	<3.89E-04
Reaction Area	Med	195		<4.46E-05	<2.30E-05	<3.16E-05	0.00538	<3.13E-05					
Reaction Area	Low	149		0.00063	<1.53E-05	0.00010	<2.73E-05	<3.85E-04	470,437	43,705	<1.68E+01	<1.95E+01	<9.76E-03
Membrane	High	204	M	<2.17E-05	<2.16E-05	<1.99E-05	<5.87E-05	<2.74E-05	745,892	69,296	<1.90E+00	<2.20E+00	<1.10E-03
Membrane	Low	183	M	<2.78E-05	<2.39E-05	<2.02E-05	<2.64E-05	<2.28E-05	1,408,075	130,814	<2.99E+00	<3.46E+00	<1.73E-03
Interface	High	75		<1.53E-05	<1.53E-05	<1.53E-05	<1.53E-05	<1.53E-05	152,096	14,130	<2.16E-01	<2.51E-01	<1.25E-04
Interface	Med	158		<1.52E-05	<1.79E-05	<4.18E-05	<6.79E-05	<1.90E-05	282,777	26,271	<3.88E+00	<4.50E+00	<2.25E-03
Interface	Med	211	P	<1.75E-05	0.00037	0.00196	<3.60E-05	<2.76E-04					
Interface	Low	76	P	<2.44E-05	<3.09E-05	<1.94E-05	<2.39E-05	<2.53E-05	542,044	50,358	<1.27E+00	<1.47E+00	<7.37E-04
Non-Reaction Area	High	232		<2.35E-05	0.00048	0.00015	<1.83E-05	<1.56E-04	1,271,594	118,135	<1.84E+01	<2.13E+01	<1.06E-02
Non-Reaction Area	Med	131		<1.31E-04	0.00051	0.00024	<3.99E-05	<2.39E-04	2,614,524	242,897	<3.25E+01	<3.77E+01	<1.89E-02
Non-Reaction Area	Med	86		<2.43E-05	<2.46E-05	<3.98E-05	<1.88E-05	<2.87E-05					
Non-Reaction Area	Low	133		<1.93E-05	<2.57E-05	<4.74E-05	<2.46E-05	<2.97E-05	4,051,650	376,411	<1.12E+01	<1.30E+01	<6.48E-03
Non SEM Area								<7.72E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.26E+01**	**<1.07E+02**	**<5.36E-02**

	(TPY)
Exceedance Area	<1.44E-03
Reaction Area	<1.03E-02
Membrane	<2.83E-03
Interface	<3.11E-03
Non-Reaction Area	<3.60E-02
Average Flux (mg/m2-min)	<7.72E-05
Reaction Area Flux (mg/m2-m)	<6.60E-05
Non-Reaction Area Flux (mg/m2-m)	<8.42E-05
Membrane Flux (mg/m2-min)	<2.44E-05
Interface Flux (mg/m2-min)	<5.92E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<2.23E-05	<1.68E-05	<4.51E-05	<4.85E-05	<2.88E-05	925,950	86,024	<2.48E+00	<2.87E+00	<1.44E-03
Reaction Area	High	75		<2.17E-05	<2.16E-05	<1.99E-05	<5.87E-05	<2.74E-05	781,464	72,600	<1.99E+00	<2.30E+00	<1.15E-03
Reaction Area	Med	204		<4.46E-05	<2.30E-05	<3.16E-05	0.0054	<3.13E-05	1,308,062	121,523	<3.11E+00	<3.60E+00	<1.80E-03
Reaction Area	Med	158		<1.83E-05	<3.06E-05	<1.90E-05	<1.60E-05	<1.99E-05					
Reaction Area	Low	76		0.0006	<1.53E-05	0.0001	<2.73E-05	<3.85E-04	1,952,050	181,351	<6.99E+01	<8.10E+01	<4.05E-02
Non-Reaction Area	High	232		<2.35E-05	0.0005	0.0001	<1.83E-05	<1.56E-04	1,271,594	118,135	<1.84E+01	<2.13E+01	<1.06E-02
Non-Reaction Area	Med	131		<1.31E-04	0.0005	0.0002	<3.99E-05	<2.39E-04	2,614,524	242,897	<3.25E+01	<3.77E+01	<1.89E-02
Non-Reaction Area	Med	86		<2.43E-05	<2.46E-05	<3.98E-05	<1.88E-05	<2.87E-05					
Non-Reaction Area	Low	133		<1.93E-05	<2.57E-05	<4.74E-05	<2.46E-05	<2.97E-05	4,051,650	376,411	<1.12E+01	<1.30E+01	<6.48E-03
Non SEM Area								<1.16E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.40E+02**	**<1.62E+02**	**<8.09E-02**

Exceedance Area	<1.44E-03
Reaction Area	<4.34E-02
Non-Reaction Area	<3.60E-02
Average Flux (mg/m2-min)	<1.16E-04
Membrane Flux (mg/m2-min)	NA

1,2-Dichloroethane
107-06-2

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.85E-05	<1.39E-05	<3.74E-05	<4.02E-05	<2.39E-05	925,950	86,024	<2.05E+00	<2.38E+00	<1.19E-03
Reaction Area	High	213		<1.33E-05	<1.33E-05	<1.32E-05	<1.43E-05	<1.33E-05	158,135	14,691	<1.95E-01	<2.26E-01	<1.13E-04
Reaction Area	Med	197		<1.52E-05	<2.54E-05	<1.58E-05	0.00051	<1.65E-05	282,120	26,210	<5.55E-01	<6.43E-01	<3.21E-04
Reaction Area	Med	195		<3.70E-05	<1.91E-05	<2.62E-05	<1.72E-05	<2.58E-05					
Reaction Area	Low	149		<1.40E-05	<1.27E-05	<1.26E-05	<2.26E-05	<1.34E-05	470,437	43,705	<5.85E-01	<6.78E-01	<3.39E-04
Membrane	High	204	M	<1.80E-05	0.00005	<1.65E-05	<4.87E-05	<3.18E-05	745,892	69,296	<2.21E+00	<2.56E+00	<1.28E-03
Membrane	Low	183	M	<2.31E-05	<1.98E-05	<1.67E-05	<2.19E-05	<1.89E-05	1,408,075	130,814	<2.48E+00	<2.87E+00	<1.44E-03
Interface	High	75		<1.27E-05	<1.27E-05	<1.27E-05	<1.27E-05	<1.27E-05	152,096	14,130	<1.79E-01	<2.08E-01	<1.04E-04
Interface	Med	158		<1.26E-05	<1.48E-05	<3.47E-05	<5.63E-05	<1.57E-05	282,777	26,271	<4.51E-01	<5.22E-01	<2.61E-04
Interface	Med	211	P	<1.45E-05	<1.26E-05	<5.54E-05	<2.99E-05	<1.86E-05					
Interface	Low	76	P	<2.03E-05	<2.57E-05	<1.61E-05	<1.98E-05	<2.09E-05	542,044	50,358	<1.05E+00	<1.22E+00	<6.11E-04
Non-Reaction Area	High	232		<1.95E-05	<2.42E-05	<3.10E-05	0.00329	<2.37E-05	1,271,594	118,135	<2.80E+00	<3.25E+00	<1.62E-03
Non-Reaction Area	Med	131		<1.08E-04	<3.16E-05	<6.21E-05	<3.31E-05	<8.40E-05	2,614,524	242,897	<1.31E+01	<1.52E+01	<7.58E-03
Non-Reaction Area	Med	86		<2.02E-05	<2.04E-05	<3.30E-05	<1.56E-05	<2.38E-05					
Non-Reaction Area	Low	133		<1.60E-05	<2.13E-05	<3.93E-05	<2.04E-05	<2.47E-05	4,051,650	376,411	<9.28E+00	<1.08E+01	<5.38E-03
Non SEM Area								<2.91E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<3.49E+01**	**<4.05E+01**	**<2.02E-02**

	(TPY)
Exceedance Area	<1.19E-03
Reaction Area	<7.73E-04
Membrane	<2.71E-03
Interface	<9.76E-04
Non-Reaction Area	<1.46E-02
Average Flux (mg/m2-min)	<2.91E-05
Reaction Area Flux (mg/m2-m)	<2.11E-05
Non-Reaction Area Flux (mg/m2-m)	<3.41E-05
Membrane Flux (mg/m2-min)	<2.34E-05
Interface Flux (mg/m2-min)	<1.86E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<1.85E-05	<1.39E-05	<3.74E-05	<4.02E-05	<2.39E-05	925,950	86,024	<2.05E+00	<2.38E+00	<1.19E-03
Reaction Area	High	75		<1.80E-05	0.0001	<1.65E-05	<4.87E-05	<3.18E-05	781,464	72,600	<2.31E+00	<2.68E+00	<1.34E-03
Reaction Area	Med	204		<3.70E-05	<1.91E-05	<2.62E-05	<1.72E-05	<2.58E-05	1,308,062	121,523	<2.57E+00	<2.98E+00	<1.49E-03
Reaction Area	Med	158		<1.52E-05	<2.54E-05	<1.58E-05	0.0005	<1.65E-05					
Reaction Area	Low	76		<1.40E-05	<1.27E-05	<1.26E-05	<2.26E-05	<1.34E-05	1,952,050	181,351	<2.43E+00	<2.81E+00	<1.41E-03
Non-Reaction Area	High	232		<1.95E-05	<2.42E-05	<3.10E-05	0.0033	<2.37E-05	1,271,594	118,135	<2.80E+00	<3.25E+00	<1.62E-03
Non-Reaction Area	Med	131		<1.08E-04	<3.16E-05	<6.21E-05	<3.31E-05	<8.40E-05	2,614,524	242,897	<1.31E+01	<1.52E+01	<7.58E-03
Non-Reaction Area	Med	86		<2.02E-05	<2.04E-05	<3.30E-05	<1.56E-05	<2.38E-05					
Non-Reaction Area	Low	133		<1.60E-05	<2.13E-05	<3.93E-05	<2.04E-05	<2.47E-05	4,051,650	376,411	<9.28E+00	<1.08E+01	<5.38E-03
Non SEM Area								<2.88E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<3.45E+01**	**<4.00E+01**	**<2.00E-02**

Exceedance Area	<1.19E-03
Reaction Area	<4.24E-03
Non-Reaction Area	<1.46E-02
Average Flux (mg/m2-min)	<2.88E-05
Membrane Flux (mg/m2-min)	NA

Ethylbenzene
100-41-4

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	213		<2.77E-05	<2.76E-05	<2.75E-05	<2.97E-05	<2.76E-05	158,135	14,691	<4.06E-01	<4.71E-01	<2.35E-04
Reaction Area	Med	197		<3.16E-05	<5.29E-05	<3.29E-05	0.00124	<3.44E-05	282,120	26,210	<1.16E+00	<1.34E+00	<6.69E-04
Reaction Area	Med	195		<7.70E-05	<3.98E-05	<5.45E-05	0.00069	<5.37E-05					
Reaction Area	Low	149		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	470,437	43,705	<1.22E+00	<1.41E+00	<7.06E-04
Membrane	High	204	M	0.00009	0.00049	<3.54E-05	<1.07E-04	<1.87E-04	745,892	69,296	<1.29E+01	<1.50E+01	<7.50E-03
Membrane	Low	183	M	<4.83E-05	<4.25E-05	0.00007	<4.69E-05	<5.75E-05	1,408,075	130,814	<7.52E+00	<8.71E+00	<4.36E-03
Interface	High	75		<2.65E-05	<2.65E-05	<2.64E-05	<2.64E-05	<2.65E-05	152,096	14,130	<3.74E-01	<4.33E-01	<2.17E-04
Interface	Med	158		<2.62E-05	<3.09E-05	<7.22E-05	<1.17E-04	<3.28E-05	282,777	26,271	<9.39E-01	<1.09E+00	<5.44E-04
Interface	Med	211	P	<3.01E-05	<2.62E-05	<1.15E-04	<6.22E-05	<3.87E-05					
Interface	Low	76	P	<4.22E-05	<5.34E-05	<3.34E-05	<4.13E-05	<4.36E-05	542,044	50,358	<2.20E+00	<2.55E+00	<1.27E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.00182	<4.95E-05	1,271,594	118,135	<5.85E+00	<6.78E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<7.06E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<8.46E+01**	**<9.81E+01**	**<4.90E-02**

	(TPY)
Exceedance Area	<2.48E-03
Reaction Area	<1.61E-03
Membrane	<1.19E-02
Interface	<2.03E-03
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<7.06E-05
Reaction Area Flux (mg/m2-m)	<6.72E-05
Non-Reaction Area Flux (mg/m2-m)	<7.27E-05
Membrane Flux (mg/m2-min)	<1.02E-04
Interface Flux (mg/m2-min)	<3.87E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<3.85E-05	<2.89E-05	<7.78E-05	<8.38E-05	<4.97E-05	925,950	86,024	<4.28E+00	<4.96E+00	<2.48E-03
Reaction Area	High	75		0.0001	0.0005	<3.54E-05	<1.07E-04	<1.87E-04	781,464	72,600	<1.36E+01	<1.57E+01	<7.86E-03
Reaction Area	Med	204		<7.70E-05	<3.98E-05	<5.45E-05	0.0007	<5.37E-05	1,308,062	121,523	<5.36E+00	<6.21E+00	<3.10E-03
Reaction Area	Med	158		<3.16E-05	<5.29E-05	<3.29E-05	0.0012	<3.44E-05					
Reaction Area	Low	76		<2.91E-05	<2.65E-05	<2.63E-05	<4.71E-05	<2.79E-05	1,952,050	181,351	<5.06E+00	<5.86E+00	<2.93E-03
Non-Reaction Area	High	232		<4.08E-05	<5.08E-05	<6.48E-05	0.0018	<4.95E-05	1,271,594	118,135	<5.85E+00	<6.78E+00	<3.39E-03
Non-Reaction Area	Med	131		<2.32E-04	<6.61E-05	<1.33E-04	<7.27E-05	<1.80E-04	2,614,524	242,897	<2.79E+01	<3.24E+01	<1.62E-02
Non-Reaction Area	Med	86		<4.22E-05	<4.37E-05	<6.91E-05	<3.42E-05	<5.01E-05					
Non-Reaction Area	Low	133		<3.43E-05	<4.58E-05	<8.43E-05	<4.27E-05	<5.27E-05	4,051,650	376,411	<1.98E+01	<2.30E+01	<1.15E-02
Non SEM Area								<6.83E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<8.19E+01**	**<9.49E+01**	**<4.74E-02**

Exceedance Area	<2.48E-03
Reaction Area	<1.39E-02
Non-Reaction Area	<3.11E-02
Average Flux (mg/m2-min)	<6.83E-05
Membrane Flux (mg/m2-min)	NA

Octane
111-65-9

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.14E-05	<3.11E-05	<8.37E-05	<9.01E-05	<5.35E-05	925,950	86,024	<4.60E+00	<5.33E+00	<2.66E-03
Reaction Area	High	213		<2.97E-05	<2.97E-05	<2.96E-05	<3.20E-05	<2.97E-05	158,135	14,691	<4.37E-01	<5.06E-01	<2.53E-04
Reaction Area	Med	197		<3.40E-05	<5.69E-05	<3.54E-05	<2.98E-05	<3.69E-05	282,120	26,210	<1.24E+00	<1.44E+00	<7.19E-04
Reaction Area	Med	195		<8.28E-05	<4.27E-05	<5.86E-05	0.00093	<5.78E-05					
Reaction Area	Low	149		<3.12E-05	<2.85E-05	<2.83E-05	<5.07E-05	<3.00E-05	470,437	43,705	<1.31E+00	<1.52E+00	<7.59E-04
Membrane	High	204	M	<4.06E-05	<4.24E-05	<3.81E-05	<1.15E-04	<5.28E-05	745,892	69,296	<3.66E+00	<4.24E+00	<2.12E-03
Membrane	Low	183	M	<5.20E-05	<4.57E-05	<3.76E-05	<5.04E-05	<4.30E-05	1,408,075	130,814	<5.62E+00	<6.52E+00	<3.26E-03
Interface	High	75		<2.85E-05	<2.85E-05	<2.84E-05	<2.84E-05	<2.84E-05	152,096	14,130	<4.02E-01	<4.66E-01	<2.33E-04
Interface	Med	158		<2.82E-05	<3.32E-05	<7.76E-05	<1.26E-04	<3.52E-05	282,777	26,271	<1.01E+00	<1.17E+00	<5.85E-04
Interface	Med	211	P	<3.24E-05	<2.82E-05	<1.24E-04	<6.69E-05	<4.16E-05					
Interface	Low	76	P	<4.54E-05	<5.75E-05	<3.60E-05	<4.44E-05	<4.69E-05	542,044	50,358	<2.36E+00	<2.74E+00	<1.37E-03
Non-Reaction Area	High	232		<4.38E-05	<5.46E-05	<6.97E-05	0.00280	<5.33E-05	1,271,594	118,135	<6.29E+00	<7.29E+00	<3.65E-03
Non-Reaction Area	Med	131		<2.50E-04	<7.11E-05	<1.43E-04	<7.82E-05	<1.93E-04	2,614,524	242,897	<3.00E+01	<3.48E+01	<1.74E-02
Non-Reaction Area	Med	86		<4.53E-05	<4.70E-05	<7.43E-05	<3.68E-05	<5.39E-05					
Non-Reaction Area	Low	133		<3.69E-05	<4.92E-05	<9.07E-05	<4.59E-05	<5.67E-05	4,051,650	376,411	<2.13E+01	<2.47E+01	<1.24E-02
Non SEM Area								<6.53E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.83E+01**	**<9.07E+01**	**<4.54E-02**

	(TPY)
Exceedance Area	<2.66E-03
Reaction Area	<1.73E-03
Membrane	<5.38E-03
Interface	<2.19E-03
Non-Reaction Area	<3.34E-02
Average Flux (mg/m2-min)	<6.53E-05
Reaction Area Flux (mg/m2-m)	<4.47E-05
Non-Reaction Area Flux (mg/m2-m)	<7.82E-05
Membrane Flux (mg/m2-min)	<4.64E-05
Interface Flux (mg/m2-min)	<4.16E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.14E-05	<3.11E-05	<8.37E-05	<9.01E-05	<5.35E-05	925,950	86,024	<4.60E+00	<5.33E+00	<2.66E-03
Reaction Area	High	75		<4.06E-05	<4.24E-05	<3.81E-05	<1.15E-04	<5.28E-05	781,464	72,600	<3.84E+00	<4.45E+00	<2.22E-03
Reaction Area	Med	204		<8.28E-05	<4.27E-05	<5.86E-05	0.0009	<5.78E-05	1,308,062	121,523	<5.76E+00	<6.67E+00	<3.34E-03
Reaction Area	Med	158		<3.40E-05	<5.69E-05	<3.54E-05	<2.98E-05	<3.69E-05					
Reaction Area	Low	76		<3.12E-05	<2.85E-05	<2.83E-05	<5.07E-05	<3.00E-05	1,952,050	181,351	<5.44E+00	<6.30E+00	<3.15E-03
Non-Reaction Area	High	232		<4.38E-05	<5.46E-05	<6.97E-05	0.0028	<5.33E-05	1,271,594	118,135	<6.29E+00	<7.29E+00	<3.65E-03
Non-Reaction Area	Med	131		<2.50E-04	<7.11E-05	<1.43E-04	<7.82E-05	<1.93E-04	2,614,524	242,897	<3.00E+01	<3.48E+01	<1.74E-02
Non-Reaction Area	Med	86		<4.53E-05	<4.70E-05	<7.43E-05	<3.68E-05	<5.39E-05					
Non-Reaction Area	Low	133		<3.69E-05	<4.92E-05	<9.07E-05	<4.59E-05	<5.67E-05	4,051,650	376,411	<2.13E+01	<2.47E+01	<1.24E-02
Non SEM Area								<6.45E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<7.73E+01**	**<8.95E+01**	**<4.48E-02**

Exceedance Area	<2.66E-03
Reaction Area	<8.71E-03
Non-Reaction Area	<3.34E-02
Average Flux (mg/m2-min)	<6.45E-05
Membrane Flux (mg/m2-min)	NA

Nonane
111-84-2

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.65E-05	<3.49E-05	<9.40E-05	<1.01E-04	<6.01E-05	925,950	86,024	<5.17E+00	<5.99E+00	<2.99E-03
Reaction Area	High	213		<3.34E-05	<3.33E-05	<3.32E-05	<3.59E-05	<3.34E-05	158,135	14,691	<4.91E-01	<5.68E-01	<2.84E-04
Reaction Area	Med	197		<3.82E-05	<6.39E-05	<3.97E-05	<3.35E-05	<4.15E-05	282,120	26,210	<1.40E+00	<1.62E+00	<8.09E-04
Reaction Area	Med	195		<9.30E-05	<4.80E-05	<6.59E-05	0.00279	<6.50E-05					
Reaction Area	Low	149		<3.51E-05	<3.20E-05	<3.18E-05	<5.70E-05	<3.37E-05	470,437	43,705	<1.47E+00	<1.71E+00	<8.53E-04
Membrane	High	204	M	<4.56E-05	0.00030	<4.28E-05	<1.29E-04	<1.30E-04	745,892	69,296	<9.03E+00	<1.05E+01	<5.23E-03
Membrane	Low	183	M	<5.84E-05	<5.13E-05	<4.23E-05	0.00017	<4.83E-05	1,408,075	130,814	<6.32E+00	<7.32E+00	<3.66E-03
Interface	High	75		<3.20E-05	<3.20E-05	<3.19E-05	<3.19E-05	<3.20E-05	152,096	14,130	<4.52E-01	<5.23E-01	<2.62E-04
Interface	Med	158		<3.17E-05	<3.73E-05	<8.72E-05	<1.42E-04	<3.96E-05	282,777	26,271	<1.13E+00	<1.31E+00	<6.57E-04
Interface	Med	211	P	<3.64E-05	<3.16E-05	<1.39E-04	<7.52E-05	<4.68E-05					
Interface	Low	76	P	<5.10E-05	<6.45E-05	<4.04E-05	<4.99E-05	<5.27E-05	542,044	50,358	<2.65E+00	<3.08E+00	<1.54E-03
Non-Reaction Area	High	232		<4.92E-05	<6.13E-05	<7.83E-05	0.00096	<5.98E-05	1,271,594	118,135	<7.06E+00	<8.18E+00	<4.09E-03
Non-Reaction Area	Med	131		<2.80E-04	<7.99E-05	<1.61E-04	<8.78E-05	<2.17E-04	2,614,524	242,897	<3.37E+01	<3.91E+01	<1.95E-02
Non-Reaction Area	Med	86		<5.09E-05	<5.28E-05	<8.35E-05	<4.13E-05	<6.06E-05					
Non-Reaction Area	Low	133		<4.14E-05	<5.53E-05	<1.02E-04	<5.16E-05	<6.37E-05	4,051,650	376,411	<2.40E+01	<2.78E+01	<1.39E-02
Non SEM Area								<7.75E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.29E+01**	**<1.08E+02**	**<5.38E-02**

	(TPY)
Exceedance Area	<2.99E-03
Reaction Area	<1.95E-03
Membrane	<8.89E-03
Interface	<2.46E-03
Non-Reaction Area	<3.75E-02
Average Flux (mg/m2-min)	<7.75E-05
Reaction Area Flux (mg/m2-m)	<6.09E-05
Non-Reaction Area Flux (mg/m2-m)	<8.78E-05
Membrane Flux (mg/m2-min)	<7.67E-05
Interface Flux (mg/m2-min)	<4.67E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<4.65E-05	<3.49E-05	<9.40E-05	<1.01E-04	<6.01E-05	925,950	86,024	<5.17E+00	<5.99E+00	<2.99E-03
Reaction Area	High	75		<4.56E-05	0.0003	<4.28E-05	<1.29E-04	<1.30E-04	781,464	72,600	<9.46E+00	<1.10E+01	<5.48E-03
Reaction Area	Med	204		<9.30E-05	<4.80E-05	<6.59E-05	0.0028	<6.50E-05	1,308,062	121,523	<6.47E+00	<7.50E+00	<3.75E-03
Reaction Area	Med	158		<3.82E-05	<6.39E-05	<3.97E-05	<3.35E-05	<4.15E-05					
Reaction Area	Low	76		<3.51E-05	<3.20E-05	<3.18E-05	<5.70E-05	<3.37E-05	1,952,050	181,351	<6.11E+00	<7.08E+00	<3.54E-03
Non-Reaction Area	High	232		<4.92E-05	<6.13E-05	<7.83E-05	0.0010	<5.98E-05	1,271,594	118,135	<7.06E+00	<8.18E+00	<4.09E-03
Non-Reaction Area	Med	131		<2.80E-04	<7.99E-05	<1.61E-04	<8.78E-05	<2.17E-04	2,614,524	242,897	<3.37E+01	<3.91E+01	<1.95E-02
Non-Reaction Area	Med	86		<5.09E-05	<5.28E-05	<8.35E-05	<4.13E-05	<6.06E-05					
Non-Reaction Area	Low	133		<4.14E-05	<5.53E-05	<1.02E-04	<5.16E-05	<6.37E-05	4,051,650	376,411	<2.40E+01	<2.78E+01	<1.39E-02
Non SEM Area								<7.67E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<9.20E+01**	**<1.07E+02**	**<5.33E-02**

Exceedance Area	<2.99E-03
Reaction Area	<1.28E-02
Non-Reaction Area	<3.75E-02
Average Flux (mg/m2-min)	<7.67E-05
Membrane Flux (mg/m2-min)	NA

Isopropyltoluene
99-87-6

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.88E-05	<7.42E-05	<2.00E-04	<2.15E-04	<1.28E-04	925,950	86,024	<1.10E+01	<1.27E+01	<6.36E-03
Reaction Area	High	213		<7.09E-05	<7.08E-05	<7.05E-05	0.00019	<7.09E-05	158,135	14,691	<1.04E+00	<1.21E+00	<6.04E-04
Reaction Area	Med	197		<8.11E-05	<1.36E-04	<8.43E-05	<7.11E-05	<8.81E-05	282,120	26,210	<2.96E+00	<3.43E+00	<1.72E-03
Reaction Area	Med	195		<1.98E-04	<1.02E-04	<1.40E-04	0.00269	<1.38E-04					
Reaction Area	Low	149		<7.45E-05	<6.79E-05	<6.75E-05	<1.21E-04	<7.15E-05	470,437	43,705	<3.13E+00	<3.62E+00	<1.81E-03
Membrane	High	204	M	0.00020	0.00155	<9.07E-05	0.00085	<6.51E-04	745,892	69,296	<4.51E+01	<5.23E+01	<2.62E-02
Membrane	Low	183	M	<1.24E-04	<1.07E-04	0.00023	<1.18E-04	<1.71E-04	1,408,075	130,814	<2.24E+01	<2.60E+01	<1.30E-02
Interface	High	75		<6.79E-05	<6.79E-05	<6.77E-05	<6.78E-05	<6.79E-05	152,096	14,130	<9.59E-01	<1.11E+00	<5.56E-04
Interface	Med	158		<6.73E-05	<7.92E-05	<1.85E-04	<3.01E-04	<8.41E-05	282,777	26,271	<2.41E+00	<2.79E+00	<1.40E-03
Interface	Med	211	P	<7.73E-05	<6.72E-05	<2.96E-04	<1.60E-04	<9.93E-05					
Interface	Low	76	P	<1.08E-04	<1.37E-04	<8.58E-05	<1.06E-04	<1.12E-04	542,044	50,358	<5.64E+00	<6.53E+00	<3.27E-03
Non-Reaction Area	High	232		<1.04E-04	<1.28E-04	<1.64E-04	0.00031	<1.26E-04	1,271,594	118,135	<1.48E+01	<1.72E+01	<8.60E-03
Non-Reaction Area	Med	131		<5.79E-04	<1.69E-04	<3.37E-04	<1.81E-04	<4.50E-04	2,614,524	242,897	<7.98E+01	<9.25E+01	<4.63E-02
Non-Reaction Area	Med	86		<1.08E-04	<1.10E-04	0.00043	<8.54E-05	<2.07E-04					
Non-Reaction Area	Low	133		<8.56E-05	<1.14E-04	<2.10E-04	<1.09E-04	<1.32E-04	4,051,650	376,411	<4.97E+01	<5.76E+01	<2.88E-02
Non SEM Area								<1.99E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.39E+02**	**<2.77E+02**	**<1.38E-01**

	(TPY)
Exceedance Area	<6.36E-03
Reaction Area	<4.13E-03
Membrane	<3.91E-02
Interface	<5.22E-03
Non-Reaction Area	<8.36E-02
Average Flux (mg/m2-min)	<1.99E-04
Reaction Area Flux (mg/m2-m)	<2.05E-04
Non-Reaction Area Flux (mg/m2-m)	<1.96E-04
Membrane Flux (mg/m2-min)	<3.38E-04
Interface Flux (mg/m2-min)	<9.92E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<9.88E-05	<7.42E-05	<2.00E-04	<2.15E-04	<1.28E-04	925,950	86,024	<1.10E+01	<1.27E+01	<6.36E-03
Reaction Area	High	75		0.0002	0.0015	<9.07E-05	0.0008	<6.51E-04	781,464	72,600	<4.73E+01	<5.48E+01	<2.74E-02
Reaction Area	Med	204		<1.98E-04	<1.02E-04	<1.40E-04	0.0027	<1.38E-04	1,308,062	121,523	<1.37E+01	<1.59E+01	<7.96E-03
Reaction Area	Med	158		<8.11E-05	<1.36E-04	<8.43E-05	<7.11E-05	<8.81E-05					
Reaction Area	Low	76		<7.45E-05	<6.79E-05	<6.75E-05	<1.21E-04	<7.15E-05	1,952,050	181,351	<1.30E+01	<1.50E+01	<7.51E-03
Non-Reaction Area	High	232		<1.04E-04	<1.28E-04	<1.64E-04	0.0003	<1.26E-04	1,271,594	118,135	<1.48E+01	<1.72E+01	<8.60E-03
Non-Reaction Area	Med	131		<5.79E-04	<1.69E-04	<3.37E-04	<1.81E-04	<4.50E-04	2,614,524	242,897	<7.98E+01	<9.25E+01	<4.63E-02
Non-Reaction Area	Med	86		<1.08E-04	<1.10E-04	0.0004	<8.54E-05	<2.07E-04					
Non-Reaction Area	Low	133		<8.56E-05	<1.14E-04	<2.10E-04	<1.09E-04	<1.32E-04	4,051,650	376,411	<4.97E+01	<5.76E+01	<2.88E-02
Non SEM Area								<1.91E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.29E+02**	**<2.66E+02**	**<1.33E-01**

Exceedance Area	<6.36E-03
Reaction Area	<4.29E-02
Non-Reaction Area	<8.36E-02
Average Flux (mg/m2-min)	<1.91E-04
Membrane Flux (mg/m2-min)	NA

Chloroethane
75-00-3

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.34E-05	<1.76E-05	<4.73E-05	<5.09E-05	<3.02E-05	925,950	86,024	<2.60E+00	<3.01E+00	<1.50E-03
Reaction Area	High	213		<1.68E-05	<1.68E-05	<1.67E-05	<1.80E-05	<1.68E-05	158,135	14,691	<2.47E-01	<2.86E-01	<1.43E-04
Reaction Area	Med	197		<1.92E-05	<3.21E-05	<2.00E-05	<1.68E-05	<2.09E-05	282,120	26,210	<7.01E-01	<8.12E-01	<4.06E-04
Reaction Area	Med	195		<4.68E-05	<2.41E-05	<3.31E-05	<2.18E-05	<3.26E-05					
Reaction Area	Low	149		<1.76E-05	<1.61E-05	<1.60E-05	<2.86E-05	<1.69E-05	470,437	43,705	<7.40E-01	<8.57E-01	<4.29E-04
Membrane	High	204	M	<2.29E-05	<2.39E-05	<2.15E-05	<6.51E-05	<2.98E-05	745,892	69,296	<2.07E+00	<2.40E+00	<1.20E-03
Membrane	Low	183	M	<2.94E-05	<2.58E-05	<2.13E-05	<2.85E-05	<2.43E-05	1,408,075	130,814	<3.18E+00	<3.68E+00	<1.84E-03
Interface	High	75		<1.61E-05	<1.61E-05	<1.60E-05	<1.60E-05	<1.61E-05	152,096	14,130	<2.27E-01	<2.63E-01	<1.32E-04
Interface	Med	158		<1.59E-05	<1.87E-05	<4.38E-05	<7.12E-05	<1.99E-05	282,777	26,271	<5.70E-01	<6.61E-01	<3.30E-04
Interface	Med	211	P	<1.83E-05	<1.59E-05	<7.01E-05	<3.78E-05	<2.35E-05					
Interface	Low	76	P	<2.56E-05	<3.25E-05	<2.03E-05	<2.51E-05	<2.65E-05	542,044	50,358	<1.33E+00	<1.55E+00	<7.73E-04
Non-Reaction Area	High	232		<2.48E-05	<3.08E-05	<3.94E-05	0.00180	<3.01E-05	1,271,594	118,135	<3.55E+00	<4.12E+00	<2.06E-03
Non-Reaction Area	Med	131		<1.41E-04	<4.02E-05	<8.10E-05	<4.42E-05	<1.09E-04	2,614,524	242,897	<1.70E+01	<1.96E+01	<9.82E-03
Non-Reaction Area	Med	86		<2.56E-05	<2.65E-05	<4.20E-05	<2.08E-05	<3.05E-05					
Non-Reaction Area	Low	133		<2.08E-05	<2.78E-05	<5.12E-05	<2.59E-05	<3.20E-05	4,051,650	376,411	<1.20E+01	<1.40E+01	<6.98E-03
Non SEM Area								<3.69E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<4.42E+01**	**<5.12E+01**	**<2.56E-02**

	(TPY)
Exceedance Area	<1.50E-03
Reaction Area	<9.78E-04
Membrane	<3.04E-03
Interface	<1.23E-03
Non-Reaction Area	<1.89E-02
Average Flux (mg/m2-min)	<3.69E-05
Reaction Area Flux (mg/m2-m)	<2.53E-05
Non-Reaction Area Flux (mg/m2-m)	<4.42E-05
Membrane Flux (mg/m2-min)	<2.62E-05
Interface Flux (mg/m2-min)	<2.35E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.34E-05	<1.76E-05	<4.73E-05	<5.09E-05	<3.02E-05	925,950	86,024	<2.60E+00	<3.01E+00	<1.50E-03
Reaction Area	High	75		<2.29E-05	<2.39E-05	<2.15E-05	<6.51E-05	<2.98E-05	781,464	72,600	<2.17E+00	<2.51E+00	<1.26E-03
Reaction Area	Med	204		<4.68E-05	<2.41E-05	<3.31E-05	<2.18E-05	<3.26E-05	1,308,062	121,523	<3.25E+00	<3.77E+00	<1.88E-03
Reaction Area	Med	158		<1.92E-05	<3.21E-05	<2.00E-05	<1.68E-05	<2.09E-05					
Reaction Area	Low	76		<1.76E-05	<1.61E-05	<1.60E-05	<2.86E-05	<1.69E-05	1,952,050	181,351	<3.07E+00	<3.56E+00	<1.78E-03
Non-Reaction Area	High	232		<2.48E-05	<3.08E-05	<3.94E-05	0.0018	<3.01E-05	1,271,594	118,135	<3.55E+00	<4.12E+00	<2.06E-03
Non-Reaction Area	Med	131		<1.41E-04	<4.02E-05	<8.10E-05	<4.42E-05	<1.09E-04	2,614,524	242,897	<1.70E+01	<1.96E+01	<9.82E-03
Non-Reaction Area	Med	86		<2.56E-05	<2.65E-05	<4.20E-05	<2.08E-05	<3.05E-05					
Non-Reaction Area	Low	133		<2.08E-05	<2.78E-05	<5.12E-05	<2.59E-05	<3.20E-05	4,051,650	376,411	<1.20E+01	<1.40E+01	<6.98E-03
Non SEM Area								<3.64E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<4.36E+01**	**<5.06E+01**	**<2.53E-02**

Exceedance Area	<1.50E-03
Reaction Area	<4.92E-03
Non-Reaction Area	<1.89E-02
Average Flux (mg/m2-min)	<3.64E-05
Membrane Flux (mg/m2-min)	NA

Acrolein
107-02-8

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.04E-05	<1.53E-05	<4.11E-05	<4.43E-05	<2.63E-05	925,950	86,024	<2.26E+00	<2.62E+00	<1.31E-03
Reaction Area	High	213		0.00038	0.00034	0.00028	<1.57E-05	<3.73E-04	158,135	14,691	<5.48E+00	<6.35E+00	<3.17E-03
Reaction Area	Med	197		<1.67E-05	<2.79E-05	0.00026	<1.46E-05	<4.81E-05	282,120	26,210	<1.00E+00	<1.16E+00	<5.80E-04
Reaction Area	Med	195		<4.07E-05	<2.10E-05	<2.88E-05	<1.89E-05	<2.84E-05					
Reaction Area	Low	149		0.00021	<1.40E-05	<1.39E-05	<2.49E-05	<1.23E-04	470,437	43,705	<5.39E+00	<6.25E+00	<3.12E-03
Membrane	High	204	M	0.00005	<2.08E-05	<1.87E-05	<5.66E-05	<3.50E-05	745,892	69,296	<2.42E+00	<2.81E+00	<1.40E-03
Membrane	Low	183	M	<2.55E-05	<2.25E-05	<1.85E-05	0.00011	<2.11E-05	1,408,075	130,814	<2.76E+00	<3.20E+00	<1.60E-03
Interface	High	75		<1.40E-05	<1.40E-05	<1.39E-05	<1.40E-05	<1.40E-05	152,096	14,130	<1.97E-01	<2.29E-01	<1.14E-04
Interface	Med	158		<1.39E-05	<1.63E-05	<3.81E-05	<6.19E-05	<1.73E-05	282,777	26,271	<4.96E-01	<5.75E-01	<2.87E-04
Interface	Med	211	P	<1.59E-05	<1.38E-05	<6.09E-05	<3.29E-05	<2.04E-05					
Interface	Low	76	P	<2.23E-05	<2.82E-05	<1.77E-05	<2.18E-05	<2.30E-05	542,044	50,358	<1.16E+00	<1.34E+00	<6.72E-04
Non-Reaction Area	High	232		0.00019	0.00023	<3.42E-05	<1.72E-05	<1.56E-04	1,271,594	118,135	<1.85E+01	<2.14E+01	<1.07E-02
Non-Reaction Area	Med	131		0.00049	<3.49E-05	<7.04E-05	<3.84E-05	<3.32E-04	2,614,524	242,897	<7.36E+01	<8.52E+01	<4.26E-02
Non-Reaction Area	Med	86		0.00032	0.00012	0.00032	0.00019	0.00027					
Non-Reaction Area	Low	133		<1.81E-05	<2.42E-05	<4.45E-05	<2.25E-05	<2.78E-05	4,051,650	376,411	<1.05E+01	<1.21E+01	<6.07E-03
Non SEM Area								<1.03E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.24E+02**	**<1.43E+02**	**<7.17E-02**

	(TPY)
Exceedance Area	<1.31E-03
Reaction Area	<6.88E-03
Membrane	<3.00E-03
Interface	<1.07E-03
Non-Reaction Area	<5.94E-02
Average Flux (mg/m2-min)	<1.03E-04
Reaction Area Flux (mg/m2-m)	<4.59E-05
Non-Reaction Area Flux (mg/m2-m)	<1.39E-04
Membrane Flux (mg/m2-min)	<2.59E-05
Interface Flux (mg/m2-min)	<2.04E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.04E-05	<1.53E-05	<4.11E-05	<4.43E-05	<2.63E-05	925,950	86,024	<2.26E+00	<2.62E+00	<1.31E-03
Reaction Area	High	75		0.0001	<2.08E-05	<1.87E-05	<5.66E-05	<3.50E-05	781,464	72,600	<2.54E+00	<2.94E+00	<1.47E-03
Reaction Area	Med	204		<4.07E-05	<2.10E-05	<2.88E-05	<1.89E-05	<2.84E-05	1,308,062	121,523	<4.64E+00	<5.38E+00	<2.69E-03
Reaction Area	Med	158		<1.67E-05	<2.79E-05	0.0003	<1.46E-05	<4.81E-05					
Reaction Area	Low	76		0.0002	<1.40E-05	<1.39E-05	<2.49E-05	<1.23E-04	1,952,050	181,351	<2.24E+01	<2.59E+01	<1.30E-02
Non-Reaction Area	High	232		0.0002	0.0002	<3.42E-05	<1.72E-05	<1.56E-04	1,271,594	118,135	<1.85E+01	<2.14E+01	<1.07E-02
Non-Reaction Area	Med	131		0.0005	<3.49E-05	<7.04E-05	<3.84E-05	<3.32E-04	2,614,524	242,897	<7.36E+01	<8.52E+01	<4.26E-02
Non-Reaction Area	Med	86		0.0003	0.0001	0.0003	0.0002	0.0003					
Non-Reaction Area	Low	133		<1.81E-05	<2.42E-05	<4.45E-05	<2.25E-05	<2.78E-05	4,051,650	376,411	<1.05E+01	<1.21E+01	<6.07E-03
Non SEM Area								<1.12E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.34E+02**	**<1.56E+02**	**<7.78E-02**

Exceedance Area	<1.31E-03
Reaction Area	<1.71E-02
Non-Reaction Area	<5.94E-02
Average Flux (mg/m2-min)	<1.12E-04
Membrane Flux (mg/m2-min)	NA

1,2,4-Trimethylbenzene TO-14
95-63-6

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.00014	<4.41E-05	<1.19E-04	<1.28E-04	<9.93E-05	925,950	86,024	<8.54E+00	<9.90E+00	<4.95E-03
Reaction Area	High	213		<4.21E-05	<4.21E-05	0.00039	0.00222	<5.25E-05	158,135	14,691	<7.71E-01	<8.93E-01	<4.46E-04
Reaction Area	Med	197		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05	282,120	26,210	<1.76E+00	<2.04E+00	<1.02E-03
Reaction Area	Med	195		<1.17E-04	<6.06E-05	<8.31E-05	0.00989	<8.22E-05					
Reaction Area	Low	149		<4.43E-05	<4.03E-05	<4.01E-05	0.00565	<4.27E-05	470,437	43,705	<1.87E+00	<2.16E+00	<1.08E-03
Membrane	High	204	M	<5.32E-05	0.00427	<5.38E-05	0.00153	<1.47E-03	745,892	69,296	<1.02E+02	<1.18E+02	<5.91E-02
Membrane	Low	183	M	<7.35E-05	<6.43E-05	<5.29E-05	<7.07E-05	<6.05E-05	1,408,075	130,814	<7.92E+00	<9.17E+00	<4.59E-03
Interface	High	75		<4.03E-05	0.00012	<4.02E-05	<4.03E-05	<5.93E-05	152,096	14,130	<8.38E-01	<9.71E-01	<4.85E-04
Interface	Med	158		<4.00E-05	<4.71E-05	<1.10E-04	<1.79E-04	<5.00E-05	282,777	26,271	<1.43E+00	<1.66E+00	<8.30E-04
Interface	Med	211	P	<4.59E-05	<3.99E-05	<1.76E-04	0.00233	<5.91E-05					
Interface	Low	76	P	<6.43E-05	<8.14E-05	<5.10E-05	<6.30E-05	<6.65E-05	542,044	50,358	<3.35E+00	<3.88E+00	<1.94E-03
Non-Reaction Area	High	232		0.00025	0.00018	<9.81E-05	0.00031	<1.94E-04	1,271,594	118,135	<2.29E+01	<2.65E+01	<1.32E-02
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	0.00067	0.00081	<3.15E-04	2,614,524	242,897	<4.75E+01	<5.51E+01	<2.75E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<1.91E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.29E+02**	**<2.65E+02**	**<1.32E-01**

	(TPY)
Exceedance Area	<4.95E-03
Reaction Area	<2.55E-03
Membrane	<6.36E-02
Interface	<3.26E-03
Non-Reaction Area	<5.80E-02
Average Flux (mg/m2-min)	<1.91E-04
Reaction Area Flux (mg/m2-m)	<2.78E-04
Non-Reaction Area Flux (mg/m2-m)	<1.36E-04
Membrane Flux (mg/m2-min)	<5.49E-04
Interface Flux (mg/m2-min)	<6.19E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0001	<4.41E-05	<1.19E-04	<1.28E-04	<9.93E-05	925,950	86,024	<8.54E+00	<9.90E+00	<4.95E-03
Reaction Area	High	75		<5.32E-05	0.0043	<5.38E-05	0.0015	<1.47E-03	781,464	72,600	<1.07E+02	<1.24E+02	<6.19E-02
Reaction Area	Med	204		<1.17E-04	<6.06E-05	<8.31E-05	0.0099	<8.22E-05	1,308,062	121,523	<8.18E+00	<9.48E+00	<4.74E-03
Reaction Area	Med	158		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05					
Reaction Area	Low	76		<4.43E-05	<4.03E-05	<4.01E-05	0.0056	<4.27E-05	1,952,050	181,351	<7.74E+00	<8.97E+00	<4.48E-03
Non-Reaction Area	High	232		0.0002	0.0002	<9.81E-05	0.0003	<1.94E-04	1,271,594	118,135	<2.29E+01	<2.65E+01	<1.32E-02
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	0.0007	0.0008	<3.15E-04	2,614,524	242,897	<4.75E+01	<5.51E+01	<2.75E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<1.93E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.31E+02**	**<2.68E+02**	**<1.34E-01**

Exceedance Area	<4.95E-03
Reaction Area	<7.11E-02
Non-Reaction Area	<5.80E-02
Average Flux (mg/m2-min)	<1.93E-04
Membrane Flux (mg/m2-min)	NA

n-propylbenzene TO-14
103-65-1

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.00025	0.00028	<1.19E-04	<1.28E-04	<2.11E-04	925,950	86,024	<1.82E+01	<2.11E+01	<1.05E-02
Reaction Area	High	213		<4.21E-05	<4.21E-05	0.00038	<4.53E-05	<5.22E-05	158,135	14,691	<7.66E-01	<8.88E-01	<4.44E-04
Reaction Area	Med	197		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05	282,120	26,210	<1.76E+00	<2.04E+00	<1.02E-03
Reaction Area	Med	195		<1.17E-04	<6.06E-05	<8.31E-05	0.00226	<8.20E-05					
Reaction Area	Low	149		<4.43E-05	0.00063	0.00013	0.01627	<1.62E-04	470,437	43,705	<7.07E+00	<8.19E+00	<4.09E-03
Membrane	High	204	M	<5.32E-05	0.00603	<5.38E-05	<1.60E-04	<1.73E-03	745,892	69,296	<1.20E+02	<1.39E+02	<6.95E-02
Membrane	Low	183	M	<7.35E-05	<6.43E-05	<5.29E-05	<7.07E-05	<6.05E-05	1,408,075	130,814	<7.92E+00	<9.17E+00	<4.59E-03
Interface	High	75		<4.03E-05	0.00012	<4.02E-05	<4.03E-05	<6.11E-05	152,096	14,130	<8.63E-01	<1.00E+00	<5.00E-04
Interface	Med	158		<4.00E-05	<4.71E-05	<1.10E-04	<1.79E-04	<5.00E-05	282,777	26,271	<1.43E+00	<1.66E+00	<8.30E-04
Interface	Med	211	P	<4.59E-05	<3.99E-05	<1.76E-04	0.00212	<5.91E-05					
Interface	Low	76	P	<6.43E-05	<8.14E-05	<5.10E-05	0.00894	<6.68E-05	542,044	50,358	<3.36E+00	<3.90E+00	<1.95E-03
Non-Reaction Area	High	232		0.00017	<7.68E-05	<9.81E-05	<4.86E-05	<1.32E-04	1,271,594	118,135	<1.56E+01	<1.81E+01	<9.06E-03
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<2.07E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.49E+02**	**<2.88E+02**	**<1.44E-01**

	(TPY)
Exceedance Area	<1.05E-02
Reaction Area	<5.56E-03
Membrane	<7.41E-02
Interface	<3.28E-03
Non-Reaction Area	<5.06E-02
Average Flux (mg/m2-min)	<2.07E-04
Reaction Area Flux (mg/m2-m)	<3.49E-04
Non-Reaction Area Flux (mg/m2-m)	<1.18E-04
Membrane Flux (mg/m2-min)	<6.39E-04
Interface Flux (mg/m2-min)	<6.23E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		0.0003	0.0003	<1.19E-04	<1.28E-04	<2.11E-04	925,950	86,024	<1.82E+01	<2.11E+01	<1.05E-02
Reaction Area	High	75		<5.32E-05	0.0060	<5.38E-05	<1.60E-04	<1.73E-03	781,464	72,600	<1.26E+02	<1.46E+02	<7.28E-02
Reaction Area	Med	204		<1.17E-04	<6.06E-05	<8.31E-05	0.0023	<8.20E-05	1,308,062	121,523	<8.16E+00	<9.46E+00	<4.73E-03
Reaction Area	Med	158		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05					
Reaction Area	Low	76		<4.43E-05	0.0006	0.0001	0.0163	<1.62E-04	1,952,050	181,351	<2.93E+01	<3.40E+01	<1.70E-02
Non-Reaction Area	High	232		0.0002	<7.68E-05	<9.81E-05	<4.86E-05	<1.32E-04	1,271,594	118,135	<1.56E+01	<1.81E+01	<9.06E-03
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<2.24E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.69E+02**	**<3.11E+02**	**<1.56E-01**

Exceedance Area	<1.05E-02
Reaction Area	<9.45E-02
Non-Reaction Area	<5.06E-02
Average Flux (mg/m2-min)	<2.24E-04
Membrane Flux (mg/m2-min)	NA

Toluene TO-14
108-88-3

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.79E-05	<4.34E-05	<1.17E-04	<1.26E-04	<7.47E-05	925,950	86,024	<6.42E+00	<7.44E+00	<3.72E-03
Reaction Area	High	213		<4.15E-05	<4.14E-05	0.00011	0.00032	<4.34E-05	158,135	14,691	<6.38E-01	<7.40E-01	<3.70E-04
Reaction Area	Med	197		<4.75E-05	<7.94E-05	0.00012	0.00113	<5.97E-05	282,120	26,210	<1.84E+00	<2.13E+00	<1.07E-03
Reaction Area	Med	195		<1.16E-04	<5.97E-05	<8.19E-05	0.00074	<8.07E-05					
Reaction Area	Low	149		<4.36E-05	0.00013	<3.95E-05	0.00679	<5.64E-05	470,437	43,705	<2.47E+00	<2.86E+00	<1.43E-03
Membrane	High	204	M	<5.24E-05	0.00014	<5.30E-05	<1.58E-04	<9.41E-05	745,892	69,296	<6.52E+00	<7.56E+00	<3.78E-03
Membrane	Low	183	M	<7.24E-05	<6.34E-05	<5.21E-05	<6.96E-05	<5.96E-05	1,408,075	130,814	<7.80E+00	<9.04E+00	<4.52E-03
Interface	High	75		<3.97E-05	<3.97E-05	<3.96E-05	<3.97E-05	<3.97E-05	152,096	14,130	<5.61E-01	<6.50E-01	<3.25E-04
Interface	Med	158		<3.94E-05	<4.64E-05	<1.08E-04	<1.76E-04	<4.92E-05	282,777	26,271	<1.41E+00	<1.63E+00	<8.17E-04
Interface	Med	211	P	<4.53E-05	<3.93E-05	<1.73E-04	0.00109	<5.82E-05					
Interface	Low	76	P	<6.34E-05	<8.02E-05	<5.02E-05	0.00016	<6.55E-05	542,044	50,358	<3.30E+00	<3.82E+00	<1.91E-03
Non-Reaction Area	High	232		<5.35E-05	<7.56E-05	<9.66E-05	0.00136	<7.00E-05	1,271,594	118,135	<8.27E+00	<9.58E+00	<4.79E-03
Non-Reaction Area	Med	131		<3.42E-04	<9.88E-05	<1.98E-04	<1.07E-04	<2.65E-04	2,614,524	242,897	<4.14E+01	<4.80E+01	<2.40E-02
Non-Reaction Area	Med	86		<6.67E-05	<6.52E-05	<8.81E-05	0.00011	<7.62E-05					
Non-Reaction Area	Low	133		<5.04E-05	<6.77E-05	<1.24E-04	<6.40E-05	<7.79E-05	4,051,650	376,411	<2.93E+01	<3.40E+01	<1.70E-02
Non SEM Area								<9.17E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.10E+02**	**<1.27E+02**	**<6.37E-02**

	(TPY)
Exceedance Area	<3.72E-03
Reaction Area	<2.86E-03
Membrane	<8.30E-03
Interface	<3.05E-03
Non-Reaction Area	<4.58E-02
Average Flux (mg/m2-min)	<9.17E-05
Reaction Area Flux (mg/m2-m)	<6.71E-05
Non-Reaction Area Flux (mg/m2-m)	<1.07E-04
Membrane Flux (mg/m2-min)	<7.16E-05
Interface Flux (mg/m2-min)	<5.81E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.79E-05	<4.34E-05	<1.17E-04	<1.26E-04	<7.47E-05	925,950	86,024	<6.42E+00	<7.44E+00	<3.72E-03
Reaction Area	High	75		<5.24E-05	0.0001	<5.30E-05	<1.58E-04	<9.41E-05	781,464	72,600	<6.83E+00	<7.92E+00	<3.96E-03
Reaction Area	Med	204		<1.16E-04	<5.97E-05	<8.19E-05	0.0007	<8.07E-05	1,308,062	121,523	<8.53E+00	<9.88E+00	<4.94E-03
Reaction Area	Med	158		<4.75E-05	<7.94E-05	0.0001	0.0011	<5.97E-05					
Reaction Area	Low	76		<4.36E-05	0.0001	<3.95E-05	0.0068	<5.64E-05	1,952,050	181,351	<1.02E+01	<1.19E+01	<5.93E-03
Non-Reaction Area	High	232		<5.35E-05	<7.56E-05	<9.66E-05	0.0014	<7.00E-05	1,271,594	118,135	<8.27E+00	<9.58E+00	<4.79E-03
Non-Reaction Area	Med	131		<3.42E-04	<9.88E-05	<1.98E-04	<1.07E-04	<2.65E-04	2,614,524	242,897	<4.14E+01	<4.80E+01	<2.40E-02
Non-Reaction Area	Med	86		<6.67E-05	<6.52E-05	<8.81E-05	0.0001	<7.62E-05					
Non-Reaction Area	Low	133		<5.04E-05	<6.77E-05	<1.24E-04	<6.40E-05	<7.79E-05	4,051,650	376,411	<2.93E+01	<3.40E+01	<1.70E-02
Non SEM Area								<9.26E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.11E+02**	**<1.29E+02**	**<6.43E-02**

Exceedance Area	<3.72E-03
Reaction Area	<1.48E-02
Non-Reaction Area	<4.58E-02
Average Flux (mg/m2-min)	<9.26E-05
Membrane Flux (mg/m2-min)	NA

Ethylbenzene TO-14
100-41-4

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<5.84E-05	<4.38E-05	<1.18E-04	<1.27E-04	<7.53E-05	925,950	86,024	<6.48E+00	<7.51E+00	<3.75E-03
Reaction Area	High	213		<4.19E-05	<4.18E-05	0.00035	0.00111	<5.11E-05	158,135	14,691	<7.50E-01	<8.70E-01	<4.35E-04
Reaction Area	Med	197		<4.79E-05	<8.01E-05	<4.98E-05	0.00074	<5.21E-05	282,120	26,210	<1.75E+00	<2.03E+00	<1.02E-03
Reaction Area	Med	195		<1.17E-04	<6.02E-05	<8.26E-05	0.01060	<8.17E-05					
Reaction Area	Low	149		<4.40E-05	0.00024	<3.99E-05	0.00184	<7.39E-05	470,437	43,705	<3.23E+00	<3.74E+00	<1.87E-03
Membrane	High	204	M	<5.28E-05	0.00105	<5.35E-05	<1.59E-04	<3.49E-04	745,892	69,296	<2.42E+01	<2.80E+01	<1.40E-02
Membrane	Low	183	M	<7.30E-05	<6.39E-05	<5.26E-05	<7.03E-05	<6.01E-05	1,408,075	130,814	<7.87E+00	<9.12E+00	<4.56E-03
Interface	High	75		<4.01E-05	<4.01E-05	<4.00E-05	<4.00E-05	<4.01E-05	152,096	14,130	<5.66E-01	<6.56E-01	<3.28E-04
Interface	Med	158		<3.97E-05	<4.68E-05	<1.09E-04	<1.78E-04	<4.97E-05	282,777	26,271	<1.42E+00	<1.65E+00	<8.24E-04
Interface	Med	211	P	<4.57E-05	<3.97E-05	<1.75E-04	0.00080	<5.87E-05					
Interface	Low	76	P	<6.39E-05	<8.10E-05	<5.07E-05	<6.26E-05	<6.61E-05	542,044	50,358	<3.33E+00	<3.86E+00	<1.93E-03
Non-Reaction Area	High	232		<6.17E-05	<7.63E-05	<9.75E-05	0.00253	<7.46E-05	1,271,594	118,135	<8.82E+00	<1.02E+01	<5.11E-03
Non-Reaction Area	Med	131		<3.45E-04	<9.97E-05	<1.99E-04	<1.08E-04	<2.67E-04	2,614,524	242,897	<4.17E+01	<4.84E+01	<2.42E-02
Non-Reaction Area	Med	86		<6.73E-05	<6.58E-05	<1.02E-04	<5.09E-05	<7.63E-05					
Non-Reaction Area	Low	133		<5.09E-05	<6.83E-05	<1.25E-04	<6.46E-05	<7.86E-05	4,051,650	376,411	<2.96E+01	<3.43E+01	<1.71E-02
Non SEM Area								<1.08E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.30E+02**	**<1.50E+02**	**<7.51E-02**

	(TPY)
Exceedance Area	<3.75E-03
Reaction Area	<3.32E-03
Membrane	<1.86E-02
Interface	<3.08E-03
Non-Reaction Area	<4.64E-02
Average Flux (mg/m2-min)	<1.08E-04
Reaction Area Flux (mg/m2-m)	<1.07E-04
Non-Reaction Area Flux (mg/m2-m)	<1.09E-04
Membrane Flux (mg/m2-min)	<1.60E-04
Interface Flux (mg/m2-min)	<5.86E-05

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<5.84E-05	<4.38E-05	<1.18E-04	<1.27E-04	<7.53E-05	925,950	86,024	<6.48E+00	<7.51E+00	<3.75E-03
Reaction Area	High	75		<5.28E-05	0.0011	<5.35E-05	<1.59E-04	<3.49E-04	781,464	72,600	<2.53E+01	<2.93E+01	<1.47E-02
Reaction Area	Med	204		<1.17E-04	<6.02E-05	<8.26E-05	0.0106	<8.17E-05	1,308,062	121,523	<8.13E+00	<9.42E+00	<4.71E-03
Reaction Area	Med	158		<4.79E-05	<8.01E-05	<4.98E-05	0.0007	<5.21E-05					
Reaction Area	Low	76		<4.40E-05	0.0002	<3.99E-05	0.0018	<7.39E-05	1,952,050	181,351	<1.34E+01	<1.55E+01	<7.76E-03
Non-Reaction Area	High	232		<6.17E-05	<7.63E-05	<9.75E-05	0.0025	<7.46E-05	1,271,594	118,135	<8.82E+00	<1.02E+01	<5.11E-03
Non-Reaction Area	Med	131		<3.45E-04	<9.97E-05	<1.99E-04	<1.08E-04	<2.67E-04	2,614,524	242,897	<4.17E+01	<4.84E+01	<2.42E-02
Non-Reaction Area	Med	86		<6.73E-05	<6.58E-05	<1.02E-04	<5.09E-05	<7.63E-05					
Non-Reaction Area	Low	133		<5.09E-05	<6.83E-05	<1.25E-04	<6.46E-05	<7.86E-05	4,051,650	376,411	<2.96E+01	<3.43E+01	<1.71E-02
Non SEM Area								<1.11E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.33E+02**	**<1.55E+02**	**<7.73E-02**

Exceedance Area	<3.75E-03
Reaction Area	<2.71E-02
Non-Reaction Area	<4.64E-02
Average Flux (mg/m2-min)	<1.11E-04
Membrane Flux (mg/m2-min)	NA

3-Ethyltoluene TO-14
620-14-4

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.87E-05	<4.41E-05	<1.19E-04	<1.28E-04	<7.58E-05	925,950	86,024	<6.52E+00	<7.55E+00	<3.78E-03
Reaction Area	High	213		<4.21E-05	<4.21E-05	0.00045	0.00491	<5.42E-05	158,135	14,691	<7.96E-01	<9.23E-01	<4.61E-04
Reaction Area	Med	197		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05	282,120	26,210	<1.76E+00	<2.04E+00	<1.02E-03
Reaction Area	Med	195		<1.17E-04	<6.06E-05	<8.31E-05	0.00505	<8.21E-05					
Reaction Area	Low	149		<4.43E-05	0.00040	0.00011	0.00039	<1.18E-04	470,437	43,705	<5.16E+00	<5.97E+00	<2.99E-03
Membrane	High	204	M	<5.32E-05	0.00027	<5.38E-05	<1.60E-04	<1.30E-04	745,892	69,296	<9.02E+00	<1.05E+01	<5.23E-03
Membrane	Low	183	M	<7.35E-05	<6.43E-05	<5.29E-05	<7.07E-05	<6.05E-05	1,408,075	130,814	<7.92E+00	<9.17E+00	<4.59E-03
Interface	High	75		<4.03E-05	<4.03E-05	<4.02E-05	<4.03E-05	<4.03E-05	152,096	14,130	<5.70E-01	<6.60E-01	<3.30E-04
Interface	Med	158		<4.00E-05	<4.71E-05	<1.10E-04	<1.79E-04	<5.00E-05	282,777	26,271	<1.43E+00	<1.66E+00	<8.29E-04
Interface	Med	211	P	<4.59E-05	<3.99E-05	<1.76E-04	<9.48E-05	<5.90E-05					
Interface	Low	76	P	<6.43E-05	<8.14E-05	<5.10E-05	<6.30E-05	<6.65E-05	542,044	50,358	<3.35E+00	<3.88E+00	<1.94E-03
Non-Reaction Area	High	232		<6.20E-05	<7.68E-05	<9.81E-05	0.00199	<7.51E-05	1,271,594	118,135	<8.87E+00	<1.03E+01	<5.14E-03
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<9.77E-05	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.17E+02**	**<1.36E+02**	**<6.79E-02**

	(TPY)
Exceedance Area	<3.78E-03
Reaction Area	<4.47E-03
Membrane	<9.81E-03
Interface	<3.10E-03
Non-Reaction Area	<4.67E-02
Average Flux (mg/m2-min)	<9.77E-05
Reaction Area Flux (mg/m2-m)	<7.91E-05
Non-Reaction Area Flux (mg/m2-m)	<1.09E-04
Membrane Flux (mg/m2-min)	<8.46E-05
Interface Flux (mg/m2-min)	<5.89E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.87E-05	<4.41E-05	<1.19E-04	<1.28E-04	<7.58E-05	925,950	86,024	<6.52E+00	<7.55E+00	<3.78E-03
Reaction Area	High	75		<5.32E-05	0.0003	<5.38E-05	<1.60E-04	<1.30E-04	781,464	72,600	<9.45E+00	<1.10E+01	<5.48E-03
Reaction Area	Med	204		<1.17E-04	<6.06E-05	<8.31E-05	0.0050	<8.21E-05	1,308,062	121,523	<8.17E+00	<9.46E+00	<4.73E-03
Reaction Area	Med	158		<4.82E-05	<8.06E-05	<5.01E-05	<4.22E-05	<5.24E-05					
Reaction Area	Low	76		<4.43E-05	0.0004	0.0001	0.0004	<1.18E-04	1,952,050	181,351	<2.14E+01	<2.48E+01	<1.24E-02
Non-Reaction Area	High	232		<6.20E-05	<7.68E-05	<9.81E-05	0.0020	<7.51E-05	1,271,594	118,135	<8.87E+00	<1.03E+01	<5.14E-03
Non-Reaction Area	Med	131		<3.47E-04	<1.00E-04	<2.01E-04	<1.08E-04	<2.69E-04	2,614,524	242,897	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<6.77E-05	<6.62E-05	<1.02E-04	<5.12E-05	<7.67E-05					
Non-Reaction Area	Low	133		<5.12E-05	<6.87E-05	<1.26E-04	<6.50E-05	<7.91E-05	4,051,650	376,411	<2.98E+01	<3.45E+01	<1.72E-02
Non SEM Area								<1.05E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.26E+02**	**<1.46E+02**	**<7.31E-02**

Exceedance Area	<3.78E-03
Reaction Area	<2.26E-02
Non-Reaction Area	<4.67E-02
Average Flux (mg/m2-min)	<1.05E-04
Membrane Flux (mg/m2-min)	NA

Benzene TO-14
71-43-2

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.72E-05	0.00011	<1.16E-04	<1.24E-04	<9.66E-05	925,950	86,024	<8.31E+00	<9.63E+00	<4.82E-03
Reaction Area	High	213		<4.11E-05	0.00009	<4.09E-05	<4.41E-05	<4.77E-05	158,135	14,691	<7.01E-01	<8.12E-01	<4.06E-04
Reaction Area	Med	197		<4.70E-05	<7.86E-05	<4.88E-05	0.00017	<5.10E-05	282,120	26,210	<1.71E+00	<1.99E+00	<9.94E-04
Reaction Area	Med	195		<1.14E-04	<5.91E-05	<8.10E-05	<5.32E-05	<7.98E-05					
Reaction Area	Low	149		<4.32E-05	<3.93E-05	<3.91E-05	0.00039	<4.14E-05	470,437	43,705	<1.81E+00	<2.10E+00	<1.05E-03
Membrane	High	204	M	0.00022	0.00526	0.00019	<1.56E-04	<1.60E-03	745,892	69,296	<1.11E+02	<1.29E+02	<6.43E-02
Membrane	Low	183	M	0.00025	<6.27E-05	0.00082	<6.89E-05	<4.78E-04	1,408,075	130,814	<6.25E+01	<7.24E+01	<3.62E-02
Interface	High	75		<3.93E-05	<3.93E-05	<3.92E-05	<3.92E-05	<3.93E-05	152,096	14,130	<5.55E-01	<6.43E-01	<3.22E-04
Interface	Med	158		<3.90E-05	<4.59E-05	<1.07E-04	<1.74E-04	<4.87E-05	282,777	26,271	<1.99E+00	<2.30E+00	<1.15E-03
Interface	Med	211	P	0.00010	<3.89E-05	<1.71E-04	0.00036	<1.03E-04					
Interface	Low	76	P	<6.27E-05	<7.94E-05	<4.97E-05	<6.14E-05	<6.48E-05	542,044	50,358	<3.26E+00	<3.78E+00	<1.89E-03
Non-Reaction Area	High	232		<5.18E-05	<7.48E-05	<9.56E-05	0.00014	<6.86E-05	1,271,594	118,135	<8.11E+00	<9.40E+00	<4.70E-03
Non-Reaction Area	Med	131		<3.38E-04	<9.77E-05	<1.96E-04	<1.06E-04	<2.62E-04	2,614,524	242,897	<4.04E+01	<4.68E+01	<2.34E-02
Non-Reaction Area	Med	86		<6.59E-05	<6.45E-05	<8.54E-05	<4.99E-05	<7.04E-05					
Non-Reaction Area	Low	133		<4.99E-05	<6.70E-05	<1.23E-04	<6.33E-05	<7.71E-05	4,051,650	376,411	<2.90E+01	<3.36E+01	<1.68E-02
Non SEM Area								<2.25E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.69E+02**	**<3.12E+02**	**<1.56E-01**

	(TPY)
Exceedance Area	<4.82E-03
Reaction Area	<2.45E-03
Membrane	<1.01E-01
Interface	<3.36E-03
Non-Reaction Area	<4.49E-02
Average Flux (mg/m2-min)	<2.25E-04
Reaction Area Flux (mg/m2-m)	<4.16E-04
Non-Reaction Area Flux (mg/m2-m)	<1.05E-04
Membrane Flux (mg/m2-min)	<8.67E-04
Interface Flux (mg/m2-min)	<6.40E-05

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<5.72E-05	0.0001	<1.16E-04	<1.24E-04	<9.66E-05	925,950	86,024	<8.31E+00	<9.63E+00	<4.82E-03
Reaction Area	High	75		0.0002	0.0053	0.0002	<1.56E-04	<1.60E-03	781,464	72,600	<1.16E+02	<1.35E+02	<6.74E-02
Reaction Area	Med	204		<1.14E-04	<5.91E-05	<8.10E-05	<5.32E-05	<7.98E-05	1,308,062	121,523	<7.95E+00	<9.21E+00	<4.61E-03
Reaction Area	Med	158		<4.70E-05	<7.86E-05	<4.88E-05	0.0002	<5.10E-05					
Reaction Area	Low	76		<4.32E-05	<3.93E-05	<3.91E-05	0.0004	<4.14E-05	1,952,050	181,351	<7.51E+00	<8.71E+00	<4.35E-03
Non-Reaction Area	High	232		<5.18E-05	<7.48E-05	<9.56E-05	0.0001	<6.86E-05	1,271,594	118,135	<8.11E+00	<9.40E+00	<4.70E-03
Non-Reaction Area	Med	131		<3.38E-04	<9.77E-05	<1.96E-04	<1.06E-04	<2.62E-04	2,614,524	242,897	<4.04E+01	<4.68E+01	<2.34E-02
Non-Reaction Area	Med	86		<6.59E-05	<6.45E-05	<8.54E-05	<4.99E-05	<7.04E-05					
Non-Reaction Area	Low	133		<4.99E-05	<6.70E-05	<1.23E-04	<6.33E-05	<7.71E-05	4,051,650	376,411	<2.90E+01	<3.36E+01	<1.68E-02
Non SEM Area								<1.81E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<2.18E+02**	**<2.52E+02**	**<1.26E-01**

Exceedance Area	<4.82E-03
Reaction Area	<7.63E-02
Non-Reaction Area	<4.49E-02
Average Flux (mg/m2-min)	<1.81E-04
Membrane Flux (mg/m2-min)	NA

Total Reduced Sulfurs
7783-06-4

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.87E-04	<1.41E-04	<3.78E-04	<4.07E-04	<2.42E-04	925,950	86,024	<2.08E+01	<2.41E+01	<1.20E-02
Reaction Area	High	213		<1.34E-04	<1.34E-04	<1.34E-04	<1.44E-04	<1.34E-04	158,135	14,691	<1.97E+00	<2.29E+00	<1.14E-03
Reaction Area	Med	197		<1.54E-04	<2.57E-04	<1.60E-04	<1.35E-04	<1.67E-04	282,120	26,210	<5.61E+00	<6.51E+00	<3.25E-03
Reaction Area	Med	195		<3.74E-04	<1.93E-04	<2.65E-04	0.00418	<2.61E-04					
Reaction Area	Low	149		<1.41E-04	<1.29E-04	<1.28E-04	0.00119	<1.36E-04	470,437	43,705	<5.93E+00	<6.87E+00	<3.43E-03
Membrane	High	204	M	<1.35E-04	<1.62E-04	<1.35E-04	<4.19E-04	<1.90E-04	745,892	69,296	<1.32E+01	<1.53E+01	<7.63E-03
Membrane	Low	183	M	0.00038	0.00055	<1.37E-04	<1.88E-04	<3.06E-04	1,408,075	130,814	<4.01E+01	<4.64E+01	<2.32E-02
Interface	High	75		0.00046	0.00134	<1.28E-04	<1.28E-04	<6.34E-04	152,096	14,130	<8.96E+00	<1.04E+01	<5.19E-03
Interface	Med	158		<1.28E-04	<1.50E-04	<3.51E-04	<5.70E-04	<1.59E-04	282,777	26,271	<4.57E+00	<5.29E+00	<2.65E-03
Interface	Med	211	P	<1.47E-04	<1.27E-04	<5.61E-04	<3.02E-04	<1.88E-04					
Interface	Low	76	P	<2.05E-04	<2.60E-04	<1.63E-04	0.00233	<2.12E-04	542,044	50,358	<1.07E+01	<1.24E+01	<6.19E-03
Non-Reaction Area	High	232		<1.60E-04	<1.99E-04	0.01563	0.03677	<4.39E-03	1,271,594	118,135	<5.18E+02	<6.01E+02	<3.00E-01
Non-Reaction Area	Med	131		<9.31E-04	0.00065	<5.35E-04	0.00125	<8.21E-04	2,614,524	242,897	<1.24E+02	<1.44E+02	<7.19E-02
Non-Reaction Area	Med	86		<1.73E-04	<1.75E-04	<2.71E-04	<1.34E-04	<2.01E-04					
Non-Reaction Area	Low	133		<1.38E-04	0.00301	<3.38E-04	0.00112	<1.16E-03	4,051,650	376,411	<4.35E+02	<5.04E+02	<2.52E-01
Non SEM Area								<9.92E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.19E+03**	**<1.38E+03**	**<6.89E-01**

	(TPY)
Exceedance Area	<1.20E-02
Reaction Area	<7.83E-03
Membrane	<3.09E-02
Interface	<1.40E-02
Non-Reaction Area	<6.24E-01
Average Flux (mg/m2-min)	<9.92E-04
Reaction Area Flux (mg/m2-m)	<2.42E-04
Non-Reaction Area Flux (mg/m2-m)	<1.46E-03
Membrane Flux (mg/m2-min)	<2.66E-04
Interface Flux (mg/m2-min)	<2.67E-04

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.87E-04	<1.41E-04	<3.78E-04	<4.07E-04	<2.42E-04	925,950	86,024	<2.08E+01	<2.41E+01	<1.20E-02
Reaction Area	High	75		<1.35E-04	<1.62E-04	<1.35E-04	<4.19E-04	<1.90E-04	781,464	72,600	<1.38E+01	<1.60E+01	<7.99E-03
Reaction Area	Med	204		<3.74E-04	<1.93E-04	<2.65E-04	0.0042	<2.61E-04	1,308,062	121,523	<2.60E+01	<3.02E+01	<1.51E-02
Reaction Area	Med	158		<1.54E-04	<2.57E-04	<1.60E-04	<1.35E-04	<1.67E-04					
Reaction Area	Low	76		<1.41E-04	<1.29E-04	<1.28E-04	0.0012	<1.36E-04	1,952,050	181,351	<2.46E+01	<2.85E+01	<1.42E-02
Non-Reaction Area	High	232		<1.60E-04	<1.99E-04	0.0156	0.0368	<4.39E-03	1,271,594	118,135	<5.18E+02	<6.01E+02	<3.00E-01
Non-Reaction Area	Med	131		<9.31E-04	0.0007	<5.35E-04	0.0013	<8.21E-04	2,614,524	242,897	<1.24E+02	<1.44E+02	<7.19E-02
Non-Reaction Area	Med	86		<1.73E-04	<1.75E-04	<2.71E-04	<1.34E-04	<2.01E-04					
Non-Reaction Area	Low	133		<1.38E-04	0.0030	<3.38E-04	0.0011	<1.16E-03	4,051,650	376,411	<4.35E+02	<5.04E+02	<2.52E-01
Non SEM Area								<9.70E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.16E+03**	**<1.35E+03**	**<6.74E-01**

Exceedance Area	<1.20E-02
Reaction Area	<3.73E-02
Non-Reaction Area	<6.24E-01
Average Flux (mg/m2-min)	<9.70E-04
Membrane Flux (mg/m2-min)	NA

Hydrogen Sulfide
7783-06-4

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.87E-04	<1.41E-04	<3.78E-04	<4.07E-04	<2.42E-04	925,950	86,024	<2.08E+01	<2.41E+01	<1.20E-02
Reaction Area	High	213		<1.34E-04	<1.34E-04	<1.34E-04	<1.44E-04	<1.34E-04	158,135	14,691	<1.97E+00	<2.29E+00	<1.14E-03
Reaction Area	Med	197		<1.54E-04	<2.57E-04	<1.60E-04	<1.35E-04	<1.67E-04	282,120	26,210	<5.61E+00	<6.50E+00	<3.25E-03
Reaction Area	Med	195		<3.74E-04	<1.93E-04	<2.65E-04	<1.74E-04	<2.61E-04					
Reaction Area	Low	149		<1.41E-04	<1.29E-04	<1.28E-04	0.00119	<1.36E-04	470,437	43,705	<5.93E+00	<6.87E+00	<3.43E-03
Membrane	High	204	M	<1.35E-04	<1.62E-04	<1.35E-04	<4.19E-04	<1.90E-04	745,892	69,296	<1.32E+01	<1.53E+01	<7.63E-03
Membrane	Low	183	M	0.00038	0.00055	<1.37E-04	<1.88E-04	<3.06E-04	1,408,075	130,814	<4.01E+01	<4.64E+01	<2.32E-02
Interface	High	75		0.00046	0.00134	<1.28E-04	<1.28E-04	<6.34E-04	152,096	14,130	<8.96E+00	<1.04E+01	<5.19E-03
Interface	Med	158		<1.28E-04	<1.50E-04	<3.51E-04	<5.70E-04	<1.59E-04	282,777	26,271	<4.57E+00	<5.29E+00	<2.65E-03
Interface	Med	211	P	<1.47E-04	<1.27E-04	<5.61E-04	<3.02E-04	<1.88E-04					
Interface	Low	76	P	<2.05E-04	<2.60E-04	<1.63E-04	0.00233	<2.12E-04	542,044	50,358	<1.07E+01	<1.24E+01	<6.19E-03
Non-Reaction Area	High	232		<1.60E-04	<1.99E-04	<2.54E-04	0.00314	<1.94E-04	1,271,594	118,135	<2.29E+01	<2.65E+01	<1.33E-02
Non-Reaction Area	Med	131		<9.31E-04	0.00065	<5.35E-04	0.00125	<8.21E-04	2,614,524	242,897	<1.24E+02	<1.44E+02	<7.19E-02
Non-Reaction Area	Med	86		<1.73E-04	<1.75E-04	<2.71E-04	<1.34E-04	<2.01E-04					
Non-Reaction Area	Low	133		<1.38E-04	0.00301	<3.38E-04	0.00112	<1.16E-03	4,051,650	376,411	<4.35E+02	<5.04E+02	<2.52E-01
Non SEM Area								<5.79E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<6.94E+02**	**<8.04E+02**	**<4.02E-01**

	(TPY)
Exceedance Area	<1.20E-02
Reaction Area	<7.83E-03
Membrane	<3.09E-02
Interface	<1.40E-02
Non-Reaction Area	<3.37E-01
Average Flux (mg/m2-min)	<5.79E-04
Reaction Area Flux (mg/m2-m)	<2.42E-04
Non-Reaction Area Flux (mg/m2-m)	<7.89E-04
Membrane Flux (mg/m2-min)	<2.66E-04
Interface Flux (mg/m2-min)	<2.67E-04

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<1.87E-04	<1.41E-04	<3.78E-04	<4.07E-04	<2.42E-04	925,950	86,024	<2.08E+01	<2.41E+01	<1.20E-02
Reaction Area	High	75		<1.35E-04	<1.62E-04	<1.35E-04	<4.19E-04	<1.90E-04	781,464	72,600	<1.38E+01	<1.60E+01	<7.99E-03
Reaction Area	Med	204		<3.74E-04	<1.93E-04	<2.65E-04	<1.74E-04	<2.61E-04	1,308,062	121,523	<2.60E+01	<3.02E+01	<1.51E-02
Reaction Area	Med	158		<1.54E-04	<2.57E-04	<1.60E-04	<1.35E-04	<1.67E-04					
Reaction Area	Low	76		<1.41E-04	<1.29E-04	<1.28E-04	0.0012	<1.36E-04	1,952,050	181,351	<2.46E+01	<2.85E+01	<1.42E-02
Non-Reaction Area	High	232		<1.60E-04	<1.99E-04	<2.54E-04	0.0031	<1.94E-04	1,271,594	118,135	<2.29E+01	<2.65E+01	<1.33E-02
Non-Reaction Area	Med	131		<9.31E-04	0.0007	<5.35E-04	0.0013	<8.21E-04	2,614,524	242,897	<1.24E+02	<1.44E+02	<7.19E-02
Non-Reaction Area	Med	86		<1.73E-04	<1.75E-04	<2.71E-04	<1.34E-04	<2.01E-04					
Non-Reaction Area	Low	133		<1.38E-04	0.0030	<3.38E-04	0.0011	<1.16E-03	4,051,650	376,411	<4.35E+02	<5.04E+02	<2.52E-01
Non SEM Area								<5.57E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<6.67E+02**	**<7.73E+02**	**<3.87E-01**

Exceedance Area	<1.20E-02
Reaction Area	<3.73E-02
Non-Reaction Area	<3.37E-01
Average Flux (mg/m2-min)	<5.57E-04
Membrane Flux (mg/m2-min)	NA

Methyl Mercaptan
74-93-1

High Resolution Calculation Appraoch

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.64E-04	<1.99E-04	<5.34E-04	<5.75E-04	<3.41E-04	925,950	86,024	<2.94E+01	<3.40E+01	<1.70E-02
Reaction Area	High	213		<1.90E-04	<1.89E-04	<1.89E-04	<2.04E-04	<1.90E-04	158,135	14,691	<2.79E+00	<3.23E+00	<1.61E-03
Reaction Area	Med	197		<2.17E-04	<3.63E-04	<2.26E-04	<1.90E-04	<2.36E-04	282,120	26,210	<7.92E+00	<9.18E+00	<4.59E-03
Reaction Area	Med	195		<5.29E-04	<2.73E-04	<3.74E-04	<2.46E-04	<3.69E-04					
Reaction Area	Low	149		<1.99E-04	<1.82E-04	<1.81E-04	<3.24E-04	<1.91E-04	470,437	43,705	<8.36E+00	<9.69E+00	<4.85E-03
Membrane	High	204	M	<1.90E-04	<2.29E-04	<1.91E-04	<5.92E-04	<2.68E-04	745,892	69,296	<1.86E+01	<2.15E+01	<1.08E-02
Membrane	Low	183	M	<2.67E-04	<2.41E-04	<1.93E-04	<2.65E-04	<2.23E-04	1,408,075	130,814	<2.91E+01	<3.37E+01	<1.69E-02
Interface	High	75		<1.82E-04	<1.82E-04	<1.81E-04	<1.81E-04	<1.82E-04	152,096	14,130	<2.57E+00	<2.97E+00	<1.49E-03
Interface	Med	158		<1.80E-04	<2.12E-04	<4.95E-04	<8.04E-04	<2.25E-04	282,777	26,271	<6.44E+00	<7.47E+00	<3.73E-03
Interface	Med	211	P	<2.07E-04	<1.80E-04	<7.92E-04	<4.27E-04	<2.66E-04					
Interface	Low	76	P	<2.90E-04	<3.67E-04	<2.29E-04	<2.84E-04	<2.99E-04	542,044	50,358	<1.51E+01	<1.75E+01	<8.74E-03
Non-Reaction Area	High	232		<2.25E-04	<2.80E-04	<3.58E-04	0.00502	<2.73E-04	1,271,594	118,135	<3.23E+01	<3.74E+01	<1.87E-02
Non-Reaction Area	Med	131		<1.31E-03	<3.84E-04	<7.55E-04	<4.02E-04	<1.02E-03	2,614,524	242,897	<1.58E+02	<1.83E+02	<9.17E-02
Non-Reaction Area	Med	86		<2.45E-04	<2.47E-04	<3.82E-04	<1.89E-04	<2.83E-04					
Non-Reaction Area	Low	133		<1.94E-04	<2.59E-04	<4.77E-04	<2.48E-04	<3.00E-04	4,051,650	376,411	<1.13E+02	<1.31E+02	<6.53E-02
Non SEM Area								<3.53E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<4.24E+02**	**<4.91E+02**	**<2.45E-01**

	(TPY)
Exceedance Area	<1.70E-02
Reaction Area	<1.10E-02
Membrane	<2.76E-02
Interface	<1.40E-02
Non-Reaction Area	<1.76E-01
Average Flux (mg/m2-min)	<3.53E-04
Reaction Area Flux (mg/m2-m)	<2.60E-04
Non-Reaction Area Flux (mg/m2-m)	<4.11E-04
Membrane Flux (mg/m2-min)	<2.38E-04
Interface Flux (mg/m2-min)	<2.65E-04

Legacy Calculation Approach

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		87		<2.64E-04	<1.99E-04	<5.34E-04	<5.75E-04	<3.41E-04	925,950	86,024	<2.94E+01	<3.40E+01	<1.70E-02
Reaction Area	High	75		<1.90E-04	<2.29E-04	<1.91E-04	<5.92E-04	<2.68E-04	781,464	72,600	<1.95E+01	<2.26E+01	<1.13E-02
Reaction Area	Med	204		<5.29E-04	<2.73E-04	<3.74E-04	<2.46E-04	<3.69E-04	1,308,062	121,523	<3.67E+01	<4.26E+01	<2.13E-02
Reaction Area	Med	158		<2.17E-04	<3.63E-04	<2.26E-04	<1.90E-04	<2.36E-04					
Reaction Area	Low	76		<1.99E-04	<1.82E-04	<1.81E-04	<3.24E-04	<1.91E-04	1,952,050	181,351	<3.47E+01	<4.02E+01	<2.01E-02
Non-Reaction Area	High	232		<2.25E-04	<2.80E-04	<3.58E-04	0.0050	<2.73E-04	1,271,594	118,135	<3.23E+01	<3.74E+01	<1.87E-02
Non-Reaction Area	Med	131		<1.31E-03	<3.84E-04	<7.55E-04	<4.02E-04	<1.02E-03	2,614,524	242,897	<1.58E+02	<1.83E+02	<9.17E-02
Non-Reaction Area	Med	86		<2.45E-04	<2.47E-04	<3.82E-04	<1.89E-04	<2.83E-04					
Non-Reaction Area	Low	133		<1.94E-04	<2.59E-04	<4.77E-04	<2.48E-04	<3.00E-04	4,051,650	376,411	<1.13E+02	<1.31E+02	<6.53E-02
Non SEM Area								<3.53E-04	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<4.24E+02**	**<4.91E+02**	**<2.45E-01**

Exceedance Area	<1.70E-02
Reaction Area	<5.27E-02
Non-Reaction Area	<1.76E-01
Average Flux (mg/m2-min)	<3.53E-04
Membrane Flux (mg/m2-min)	NA

Dimethyl Sulfide
75-18-3

High Resolution Calculation Appraoch

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.42E-04	<2.56E-04	<6.90E-04	<7.43E-04	<4.41E-04	925,950	86,024	<3.79E+01	<4.39E+01	<2.20E-02
Reaction Area	High	213		<2.45E-04	<2.45E-04	<2.44E-04	<2.63E-04	<2.45E-04	158,135	14,691	<3.60E+00	<4.17E+00	<2.09E-03
Reaction Area	Med	197		<2.80E-04	<4.69E-04	<2.91E-04	<2.46E-04	<3.05E-04	282,120	26,210	<1.02E+01	<1.19E+01	<5.93E-03
Reaction Area	Med	195		<6.83E-04	<3.52E-04	<4.83E-04	0.00216	<4.76E-04					
Reaction Area	Low	149		<2.58E-04	<2.35E-04	<2.33E-04	<4.18E-04	<2.47E-04	470,437	43,705	<1.08E+01	<1.25E+01	<6.26E-03
Membrane	High	204	M	<2.46E-04	<2.96E-04	<2.47E-04	<7.64E-04	<3.46E-04	745,892	69,296	<2.40E+01	<2.78E+01	<1.39E-02
Membrane	Low	183	M	<3.45E-04	<3.11E-04	<2.50E-04	<3.43E-04	<2.87E-04	1,408,075	130,814	<3.76E+01	<4.36E+01	<2.18E-02
Interface	High	75		<2.35E-04	<2.35E-04	<2.34E-04	<2.34E-04	<2.34E-04	152,096	14,130	<3.31E+00	<3.84E+00	<1.92E-03
Interface	Med	158		<2.33E-04	<2.74E-04	<6.40E-04	<1.04E-03	<2.91E-04	282,777	26,271	<8.32E+00	<9.64E+00	<4.82E-03
Interface	Med	211	P	<2.67E-04	<2.32E-04	<1.02E-03	<5.51E-04	<3.43E-04					
Interface	Low	76	P	<3.74E-04	<4.74E-04	<2.96E-04	<3.66E-04	<3.87E-04	542,044	50,358	<1.95E+01	<2.26E+01	<1.13E-02
Non-Reaction Area	High	232		<2.91E-04	<3.62E-04	0.02849	0.01698	<8.00E-03	1,271,594	118,135	<9.45E+02	<1.09E+03	<5.47E-01
Non-Reaction Area	Med	131		<1.70E-03	<4.96E-04	<9.75E-04	<5.19E-04	<1.32E-03	2,614,524	242,897	<2.04E+02	<2.37E+02	<1.18E-01
Non-Reaction Area	Med	86		<3.16E-04	<3.20E-04	<4.93E-04	<2.44E-04	<3.66E-04					
Non-Reaction Area	Low	133		<2.51E-04	<3.35E-04	<6.17E-04	<3.20E-04	<3.87E-04	4,051,650	376,411	<1.46E+02	<1.69E+02	<8.44E-02
Non SEM Area								<1.21E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.45E+03**	**<1.68E+03**	**<8.40E-01**

	(TPY)
Exceedance Area	<2.20E-02
Reaction Area	<1.43E-02
Membrane	<3.57E-02
Interface	<1.80E-02
Non-Reaction Area	<7.50E-01
Average Flux (mg/m2-min)	<1.21E-03
Reaction Area Flux (mg/m2-m)	<3.36E-04
Non-Reaction Area Flux (mg/m2-m)	<1.76E-03
Membrane Flux (mg/m2-min)	<3.08E-04
Interface Flux (mg/m2-min)	<3.43E-04

Legacy Calculation Approach

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		87		<3.42E-04	<2.56E-04	<6.90E-04	<7.43E-04	<4.41E-04	925,950	86,024	<3.79E+01	<4.39E+01	<2.20E-02
Reaction Area	High	75		<2.46E-04	<2.96E-04	<2.47E-04	<7.64E-04	<3.46E-04	781,464	72,600	<2.51E+01	<2.91E+01	<1.46E-02
Reaction Area	Med	204		<6.83E-04	<3.52E-04	<4.83E-04	0.0022	<4.76E-04	1,308,062	121,523	<4.74E+01	<5.50E+01	<2.75E-02
Reaction Area	Med	158		<2.80E-04	<4.69E-04	<2.91E-04	<2.46E-04	<3.05E-04					
Reaction Area	Low	76		<2.58E-04	<2.35E-04	<2.33E-04	<4.18E-04	<2.47E-04	1,952,050	181,351	<4.48E+01	<5.19E+01	<2.60E-02
Non-Reaction Area	High	232		<2.91E-04	<3.62E-04	0.0285	0.0170	<8.00E-03	1,271,594	118,135	<9.45E+02	<1.09E+03	<5.47E-01
Non-Reaction Area	Med	131		<1.70E-03	<4.96E-04	<9.75E-04	<5.19E-04	<1.32E-03	2,614,524	242,897	<2.04E+02	<2.37E+02	<1.18E-01
Non-Reaction Area	Med	86		<3.16E-04	<3.20E-04	<4.93E-04	<2.44E-04	<3.66E-04					
Non-Reaction Area	Low	133		<2.51E-04	<3.35E-04	<6.17E-04	<3.20E-04	<3.87E-04	4,051,650	376,411	<1.46E+02	<1.69E+02	<8.44E-02
Non SEM Area								<1.21E-03	0	0	0	0	0
							Total		**12,905,294**	**1,198,941**	**<1.45E+03**	**<1.68E+03**	**<8.40E-01**

Exceedance Area	<2.20E-02
Reaction Area	<6.80E-02
Non-Reaction Area	<7.50E-01
Average Flux (mg/m2-min)	<1.21E-03
Membrane Flux (mg/m2-min)	NA

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

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Consultor Ambiental

MEMORÁNDUM TÉCNICO
EVENTO DE PRUEBA No. 6: Evaluación de Emisiones de Aire de la Cámara de Flujo del Vertedero de Chiquita Canyon Ubicado en Castaic, California



Elaborado para:

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Enero de 2026

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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

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RESUMEN EJECUTIVO

Este Memorándum Técnico documenta el sexto evento de prueba de emisiones de aire (noviembre 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 noviembre 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, ser 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. 231 de la Cuadrícula	Celda de Excesos	El suelo	4
Celda No. 76 de la Cuadrícula	Zona de la Interfaz Mediano	Suelo y Membrana	4
Celda No. 78 de la Cuadrícula	Zona de la Interfaz Mediano	Suelo y Membrana	4
Celda No. 211 de la Cuadrícula	Zona de la Interfaz Bajo	Suelo y Membrana	4
Celda No. 209 de la Cuadrícula	Zona de la Interfaz Alto	Suelo y Membrana	4
Celda No. 83 de la Cuadrícula	Zona Reactiva Bajo	El suelo	4
Celda No. 197 de la Cuadrícula	Zona Reactiva Mediano	El suelo	4
Celda No. 96 de la Cuadrícula	Zona Reactiva Alto	Hidrosemillas en Suelo	4
Celda No. 194 de la Cuadrícula	No Reactiva Mediano	Hidrosemillas en Suelo	4
Celda No. 111 de la Cuadrícula	Celda Normal Bajo	El suelo	4
Celda No. 248 de la Cuadrícula	Celda Normal Mediano	El suelo	4
Celda No. 243 de la Cuadrícula	Celda Normal Alto	El suelo	4
Celda No. 217 de la Cuadrícula	Celda Normal Mediano	El suelo	4
Celda No. 207 de la Cuadrícula	Zona de Membrana Bajo	Membrana Sintética	4
Celda No. 169 de la Cuadrícula	Zona de Membrana Alto	Membrana Sintética	4
Blanco	Control de calidad	NA	5
Réplica	Control de calidad	NA	5
TOTAL			70

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 de la cámara de flujo las realizaron el 10-12 y 24-25 de noviembre de 2025 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

Estas 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 realizó 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 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 diez 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/m^3. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de diez 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 diez 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 cinco muestras de medios en blanco (campo) en el campo (T-114, -214, - -414, -514) que fueron analizadas como muestras del campo (muestra ciega para QC). Dos de los blancos de campo indicaron niveles sin detección en 30 ug/m3 y tres de los cinco blancos de campo mostraron niveles de 49.8 ug/m3 a 138 ug/m3. Aunque la muestra del blanco más alto fue de unas cinco veces el MDL, esto no es poco común con un set de datos de muestreo que varían de sin detecciones (30 ug/m3) a 5 mg/m3. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron cinco 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-412/-413). El rango de la diferencia de porcentaje relativa (RPD) de los cinco pares fue de 23 a 200, RPD promedio de 90 y tres de los cinco pares excedieron los 50 RPD (criterio de control de calidad de 50 RPD). Estos datos representan una mala precisión del campo, pero el rango de detección de las muestras de campo es grande y la precisión del laboratorio es aceptable y no indica un error sistemático del método. Aunque la precisión del campo es mala, estos datos demuestran un desempeño aceptable del método.

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

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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 diez muestras en blanco del método del laboratorio. No se detectaron compuestos de hidrocarburos en siete de las diez muestras de blancos en el nivel del límite de detección del método (MDL) de aproximadamente 2 ug/m^3 excepto en tres muestras que indicaron un compuesto detectado, 1-buteno 2.50 J ug/m^3 a 3.76 J ug/m^3. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de diez 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 diez muestras de control del laboratorio (LCS) 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 cinco muestras de medios en blanco (campo) en el campo (T-114, -214, - -414, -514) que fueron analizadas como muestras del campo (muestra ciega para QC). Todos los blancos de campo excepto uno indicaron detecciones de uno o más compuestos como contaminación, pero un blanco mostró solo etano a 3.18 J ug/m^3, que correspondió a uno de los cuatro cilindros utilizados que indicó que no había contaminación de propileno. Los otros cuatro blancos tomados de los otros tres cilindros mostraron hasta cinco compuestos, donde los siguientes indicaron concentraciones altas, que incluyen: eteno 23.45 ug/m^3, propeno 92.38 ug/m^3, propano 10.63 ug/m^3, 1-buteno 2.53 J ug/m^3 y t-2 buteno 3.44 J ug/m^3. Es posible que estos niveles bajos de compuestos de hidrocarburos, especialmente al ser compuestos livianos, estén relacionados con la contaminación del cilindro, que se presenta a continuación con el set de datos del método TO-15. Sin embargo, hemos observado contaminación de blanco de campo similar de evaluaciones de campo anteriores. Debido a los niveles de especies de hidrocarburos detectadas en las muestras de campo, estos bajos niveles de detección no afectan la calidad de los datos del método, dado que los niveles del blanco de laboratorio en general no dieron detecciones. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron cinco 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-412/-413, T-512/T-513). El par de muestras T-112/-113 tuvo 20 pares de compuestos detectados y un rango de RPD de 2.1 a 87 donde dos pares de compuestos excedieron los criterios; RPD promedio de 23 (criterios de control de calidad de 50). El par de muestras T-212/-213 tuvo nueve pares de muestras

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replicados con un rango de RPD de 1.7 a 139 y dos pares de compuestos excedieron los criterios; RPD promedio de 40 (criterios de control de calidad de 50). El par de muestras T-312/-313 tuvo 16 pares de muestras replicadas detectadas con un rango de 15 a 200 RPD con 10 de 16 pares de compuestos que exceden los criterios; RPD promedio de 92 (criterios de control de calidad de 50). El par de muestras T-412/-413 tuvo 22 pares de compuestos detectados y mostró un rango de valores de RPD de 5.9 a 174, RPD promedio de 62 (criterios de control de calidad de 50). Y el par de muestras replicadas T-512/-513 no tuvo pares de compuestos con ambos pares de compuestos por encima de la detección. Estos datos demuestran una mala precisión del campo. Esto a veces es común tango con una amplia variedad de compuestos de hidrocarburos livianos (bajo peso molecular) como con compuestos pesados. Dado que los datos de precisión de control de calidad del laboratorio son aceptables, estos datos no indican una limitación sistemática; sin embargo, el Método TO-14 de uno de los cinco pares de muestras/réplicas está muy por debajo de los criterios de precisión de control de calidad estándar para las muestras de campo. Dado que cuatro de los cinco pares de muestra/réplica son aceptables, estos datos no indican una limitación de datos.

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 siete 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/m^3). Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó un total de siete muestras 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 siete muestras de LCS 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 cinco muestras de medios en blanco (campo) en el campo (T-114, T-214, T-314, T-414, T-514) que fueron analizadas como una muestra del campo (muestra ciega para QC). Se detectó un compuesto, propileno, en cuatro de las cinco muestras de blancos, que incluyen: T-114, 41.02 ppbv; T-214, 42.11 ppbv; T-314, 33.09 ppbv; T-414, 28.38 ppbv; y T-514, ND en 0.4 ppbv. Se rastreó esta combinación hasta el fabricante del gas comprimido utilizado para la medición de la cámara de flujo dinámica (gas de barrido) que se encontró en tres de los cuatro cilindros de gas utilizados para esta evaluación. En los Resultados y Análisis de la Sección IV se proporciona una descripción completa de esta situación.

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Como se indica en la Tabla 2, se realizó una sustracción de fondo, ya que es apropiada para el uso de estos cuatro cilindros de gas. No se encontró ningún otro compuesto en las cinco muestras de blancos por TO-15 y estos datos de los blancos indican un rendimiento aceptable del método.

Precisión del Método de Campo – Se tomaron cinco muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513). 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 11 a 49 e ningún par de compuestos excedió los criterios, RPD promedio de 20 (criterios de control de calidad de 50). El par de muestra/duplicado T-212/-213 mostró tres pares de compuestos por encima de los límites de informe con un rango de RPD de 13 a 60 y pares de compuestos que excedieron los criterios, RPD promedio de 29 (criterios de control de calidad de 50). El par de muestra/duplicado T-312/-313 tuvo 17 pares de compuestos por encima de los límites de detección del método, con un rango de RPD de 2.0 a 46 y ningún par de compuestos excedió los criterios, RPD promedio de 12 (criterios de control de calidad de 50). El par de muestra/duplicado T-412/-413 mostró 18 pares de compuestos por encima de los límites de informe con un rango de RPD de 0.32 a 120 y siete pares de compuestos excedieron los criterios, RPD promedio de 30 (criterios de control de calidad de 50). Y el par de muestra/duplicado T-512/-513 mostró cuatro pares de compuestos por encima de los límites de informe con un rango de RPD de 5.6 a 53 y un par de compuestos que excedió los criterios, RPD promedio de 27 (criterios de control de calidad de 50). Estos datos demuestran un desempeño aceptable del método.

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. Se ejecutaron veinte sets de datos de control de calidad estándar en total en las muestras del instrumento utilizado al analizar las 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 (límite práctico de cuantificación o <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 cinco muestras de medios en blanco (campo) en el campo (S-114, S-214, S-314, S-414, S-514) que fueron analizadas como muestras de campo (muestras ciegas para QC). No se detectó ácido sulfhídrico ni ningún otro compuesto de azufre reducido en las cinco 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 cinco muestras de campo en duplicado que se analizaron para probar la cámara de flujo (S-112/-113, S-212/-213, S-312/-313, S-412/-413, S-512/-513). Las detecciones de compuestos fueron escasas. No se detectaron pares de compuestos en el par de muestra y réplica S-112/-113.

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El par de muestra y réplica S-112/-113 tuvo un par de compuestos detectado y el RPD fue de 2.6 (criterios de control de calidad de 50). El par de muestra/duplicado S-312/-313 tuvo cinco pares de compuestos detectados y el rango de RPD fue de 4.9 a 111 donde un par de compuestos excedió los criterios; el RPD promedio fue de 30 (criterios de control de calidad de 50). El par de muestra/duplicado S-412/-413 tuvo ocho pares de compuestos detectados y el rango de RPDs fue de 8.1 a 124 donde un par excedió los criterios; el RPD promedio fue de 25 (criterios de control de calidad de 50). Y no se detectaron pares de compuestos en el par de muestra y réplica S-512/-513. 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 una muestra 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 una muestra de LCD. La muestra de LCD fue informada dentro de los criterios de menos del 25%. Estos datos indican un desempeño aceptable del método.

Exactitud del Laboratorio – El laboratorio tomó una muestra de LCS. La muestra de LCS fue informada 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 (precisión)– Se prepararon cinco muestras de medios en blanco (campo) en el campo (T-114, -214, -314, -414, 514) que fueron analizadas como muestras del campo (muestra ciega para QC). 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) excepto el metano encontrado en la muestra T-414 a 1.34 ppbv. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron cinco muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513). Los pares de muestra y réplica de dióxido de carbono tuvieron un RPD de 1.6 a 29, RPD promedio de 11, criterios de RPD de 50. Los pares de muestra y réplica de metano tuvieron un RPD de 1.8 a 44, RPD promedio de 17, criterios de RPD de 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 siete muestras en blanco del método del

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laboratorio. No se detectó 1,1-DFA en las muestras en blanco en el MDL del 0.83 ppbv. Estos datos indican un desempeño aceptable del método.

Precisión del Laboratorio – El laboratorio realizó siete 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 siete tomas de muestras de LCS. 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 cinco muestras de medios en blanco (campo) en el campo (T-114, -214, - -414, 514) 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 97% al -114%. Estos datos demuestran un desempeño aceptable del método.

Precisión del Método de Campo – Se tomaron cinco muestras de campo en duplicado que se analizaron para probar la cámara de flujo (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513). Los valores de RPD variaron de 5.7 a 16, promedio de 12 (criterios de control de calidad de 50 RPD). Estos datos indican un desempeño aceptable del método.

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 aire 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 Sulfhídrico

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

Los dos análisis de ácido sulfhídrico 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. Los arranques del cooler de la mañana provocaron niveles de blancos más altos y una recalibración de respuesta alta/baja

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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/m^3, mg/m^3) como del flujo (mg/m^2,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/m^2,min.). El flujo de la superficie para el origen de un área de la superficie se calcula utilizando concentraciones medidas de compuestos objetivo y datos de los parámetros operativos de la cámara de flujo (índice de flujo de aire de barrida de 5.0 lpm [o 0.005 metros cúbicos por minuto (m^3/min) más flujo advectivo], área de la superficie de 0.13 metros cuadrados [m^2]). 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) se calcula desde el índice de flujo de aire de barrida (Q, m^3/min)), la concentración de compuestos (Yi, mg/m^3 o DT) y la exposición al área de la superficie de la cámara (A, m^2)),

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

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 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 detectó un compuesto, propileno, utilizando el Método TO-15 en cuatro de las cinco muestras de blancos de campo, que incluyen: T-114, 41.02 ppbv; T-214, 42.11 ppbv; T-314, 33.09 ppbv; T-414, 28.38 ppbv; y T-514, ND en 0.4 ppbv. Se rastreó esta combinación hasta el fabricante del gas comprimido utilizado para la medición de la cámara de flujo dinámica (gas de barrido) que se encontró en tres de los cuatro cilindros de gas utilizados para esta evaluación. Las concentraciones de propileno encontradas en los cuatro cilindros con la identificación de los cilindros necesaria para las correcciones de referencia son las siguientes:

Cilindro No. 68259, 41.02 ppbv, T-114 y 42.11 ppbv T-214

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Cilindro No. 15341, 33.09 ppbv, T-314
Cilindro No. 8940, 28.38 ppbv
Cilindro No. 351740, ND a 0.4 ppbv, T-514

Los criterios para el contenido de hidrocarburos totales en el producto es inferior a 200 ppbv de contenido de hidrocarburos totales (THC) y estos cilindros cumplieron con estos criterios del fabricante. Conversaciones con el proveedor (Linde Gas and Equipment) indicaron que sospechan del producto de oxígeno puro que compran de un proveedor de gas externo, que se utiliza para hacer el producto de aire puro sintético (20% nitrógeno y 80% oxígeno o aire sintético más un vestigio de 1,1-DFA nominalmente a 200 ppbv). Se está realizando una mayor investigación de este origen para evitar que ocurra este problema en el futuro. Dado que el fabricante cumplió con su especificación del producto y que algunos niveles bajos de contaminación por debajo de la especificación del producto no es común, se proporcionó una sustracción de fondo de datos en la Tabla 2 como corresponde para el uso de estos cuatro cilindros de gas registrados en la Hojas de Datos de Medición de Emisiones. Esta corrección del set de datos es apropiada y necesaria. No se necesitó ninguna otra calificación de datos.

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:

- 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.

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- 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(200) (nominalmente 200 ppbv). 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 fue aún más cierto para el Método TO-14 donde uno de los cinco pares de muestra/réplica excedieron los criterios de control de calidad. Sin embargo, esto probablemente se debió a los bajos niveles encontrados en varias muestras y al amplio rango de compuestos de hidrocarburos de peso molecular tanto liviano como pesado. El conjunto de datos es de calidad de datos aceptable para el propósito de evaluar emisiones de compuestos del Vertedero. Se debe tener en cuenta que se encontró un bajo nivel (menos de 43 ppbv) de contaminación, propileno, en el gas del aire de barrido fabricado, en el análisis de los niveles de blancos en el campo. Según los cilindros de gas utilizados para las mediciones de flujo por mediciones de flujo afectadas determinadas por el uso de cilindros de gas, se utilizó una sustracción de referencia para el set de datos del Método TO-15 como se describe en la Sección IV. No fueron necesarios ni se utilizaron otras correcciones de datos con el set de datos actual.

- 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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Table 1. Summary of Field Sampling data for Chiquita Canyon Air Emission Assessment, November, 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 SURF	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	
11/10/2025	1006	Grid 231	Exceedance Cell	1	T-101	S-101	0.000/0.000	0.010/0.005	40	11	5	9	97	110	86	86	8.533	0.989	Soil
11/10/2025	1006	Grid 231		2	T-102	S-102	0.000/0.000	0.010/0.006	8	10	12	9	100	107	87	87	8.509	0.969	Soil
11/10/2025	1013	Grid 231		3	T-103	S-103	0.000/0.000	0.005/0.005	8.5	8.3	4.4	8.0	135	116	114	89	8.519	1.008	Soil
11/10/2025	1013	Grid 231		4	T-104	S-104	0.000/0.000	0.010/0.005	6.5	7.7	7.8	4	131	115	110	87	8.502	1.004	Soil
11/10/2025	1136	Grid 76	Interface Area Cell	1	T-105	S-105	0.002/0.001	0.001/0.014	4.3	5.6	3.8	5.5	101	104	93	89	8.763	1.775	Soil and Membrane
11/10/2025	1136	Grid 76	Medium	2	T-106	S-106	0.000/0.001	NA/NA	4.5	6.2	3.6	6.2	107	107	104	88	8.775	1.777	Soil and Membrane
11/10/2025	1136	Grid 76		3	T-107	S-107	0.000/0.001	0.19/0.009	5.7	5.6	3.6	5.3	118	107	93	87	8.754	1.758	Soil and Membrane
11/10/2025	1140	Grid 76		4	T-108	S-108	0.009/0.003	0.019/0.005	4	6	3.6	6.5	98	102	94	89	8.750	0.005	Soil and Membrane
11/10/2025	1244	Grid 78	Interface Area Cell	1	T-109	S-109	0.000/0.000	0.006/0.006	-3.6	-1.2	1.3	0.8	101	100	95	89	8.798	1.871	Soil and Membrane
11/10/2025	1244	Grid 78	Medium	2	T-110	S-110	0.000/0.001	0.011/0.001	2.2	0.7	21	18	128	105	110	92	8.805	1.852	Soil and Membrane
11/10/2025	1244	Grid 78		3	T-111	S-111	0.012/0.004	0.016/0.005	180	207	14	50	101	106	94	91	8.793	1.843	Soil and Membrane
11/10/2025	1244	Grid 78		4	T-112	S-112	0.004/0.002	0.019/0.006	3500	3400	40	35	119	108	98	91	8.799	1.836	Soil and Membrane
11/10/2025	1244	Grid 78	Replicate	4	T-113	S-113	0.004/0.002	0.019/0.006	3500	3400	40	35	119	108	98	91	8.799	1.836	Sample Replicate
11/10/2025	1326	NA	Media Blank	NA	S-114	S-114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
11/11/2025	954	Grid 211	Interface Area Cell	1	T-201	S-201	0.000/0.002	0.000/0.005	4.2	4.2	6.5	5.2	90	93	88	80	8.396	1.239	Soil and Membrane
11/11/2025	954	Grid 211	Low	2	T-202	S-202	0.000/0/002	0.007/0.005	2.4	2.2	6.7	5	91	84	87	77	8.383	1.242	Soil and Membrane
11/11/2025	951	Grid 211		3	T-203	S-203	0.000/0.001	0.006/0.005	2.1	1.3	4.2	2.2	90	88	84	78	8.369	1.244	Soil and Membrane
11/11/2025	951	Grid 211		4	T-204	S-204	0.004/0.005	0.012/0.005	5.3	4.2	8.3	5.4	87	89	79	73	8.352	1.239	Soil and Membrane
11/11/2025	1102	Grid 209	Interface Area Cell	1	T-205	S-205	0.001/0.000	0.007/0.020	-0.4	-0.4	1.7	0.3	115	101	104	84	8.481	1.317	Soil and Membrane
11/11/2025	1102	Grid 209	High	2	T-206	S-206	0.001/0.001	0.019/0.007	-0.2	-0.4	14	14	102	99	84	81	8.480	1.331	Soil and Membrane
11/11/2025	1057	Grid 209		3	T-207	S-207	0.004/0.001	0.016/0.006	4.6	1	4.2	3.3	106	101	98	82	8.475	1.364	Soil and Membrane
11/11/2025	1057	Grid 209		4	T-208	S-208	0.012/0.001	0.010/0.008	0.2	0.2	2.2	1.3	103	100	97	83	8.469	1.378	Soil and Membrane
11/11/2025	1204	Grid 83	Reaction Area	1	T-209	S-209	0.000/0.000	0.046/0.039	330	230	48	60.0	102	102	96	88	8.817	1.514	Soil
11/11/2025	1210	Grid 83	Low	2	T-210	S-210	0.001/0.002	0.018/0.008	3100	2700	20	240.0	100	99	93	84	8.798	1.526	Soil
11/11/2025	1204	Grid 83		3	T-211	S-211	0.006/0.002	NA/NA	1700	1400	70	200.0	105	102	97	87	8.812	1.527	Soil
11/11/2025	1210	Grid 83		4	T-212	S-212	0.008/0.008	0.023/0.012	12,000	16,000	1000	250	104	100	98	88	8.807	1.512	Soil
11/11/2025	1210	Grid 83	Replicate	4	T-213	S-213	0.008/0.008	0.023/0.012	12	16,000	1000	250	104	100	98	88	8.807	1.512	Sample Replicate
11/11/2025	1300	NA	Media Blank	NA	T-214	S-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
11/12/2025	925	Grid 197	Reaction Area	1	T-301	S-301	0.027/0.000	0.000/0.004	0.28	3.2	4.3	3.2	75	71	74	66	8.589	1.225	Soil
11/12/2025	925	Grid 197	Medium	2	T-302	S-302	0.012/0.000	0.010/0.003	95	74	7.2	7	72	69	73	65	8.577	1.226	Soil
11/12/2025	923	Grid 197		3	T-303	S-303	0.000/0.000	0.000/0.003	15	13	5.2	6.3	78	73	77	67	8.575	1.239	Soil
11/12/2025	923	Grid 197		4	T-304	S-304	0.000/0.000	0.000/0.004	470	350	60	55.0	80	74	78	66	8.589	1.243	Soil
11/12/2025	1030	Grid 96	Reaction Area	1	T-305	S-305	0.000/0.000	0.003/0.004	2040	1800	150	90.0	79	75	78	70	8.764	1.173	Hydroseed on Soil
11/12/2025	1030	Grid 96	High	2	T-306	S-306	0.000/0.000	0.004/0.005	7	33	11	23	80	76	76	69	8.766	1.190	Hydroseed on Soil
11/12/2025	1025	Grid 96		3	T-307	S-307	0.000/0.000	0.004/0.005	0.2	2.5	1.3	1.6	81	78	76	69	8.760	1.184	Hydroseed on Soil
11/12/2025	1025	Grid 96		4	T-308	S-308	0.000/0.000	0.004/0.004	12,200	11,000	520	440	90	77	79	70	8.774	1.177	Hydroseed on Soil
11/12/2025	1216	Grid 194	Reaction Area	1	T-309	S-309	0.000/0.000	0.000/0.004	0.4	2.2	2	0.0	71	70	72	68	8.777	1.239	Hydroseed on Soil
11/121/2025	1216	Grid 194	Medium	2	T-310	S-310	0.000/0.000	0.000/0.004	-1.2	-0.5	-0.2	-0.5	71	69	72	69	8.766	1.231	Hydroseed on Soil
11/12/2025	1135	Grid 194		3	T-311	S-311	0.000/0.000	0.000/0.005	200	220	35	60	79	73	78	70	8.784	1.179	Hydroseed on Soil
11/12/2025	1135	Grid 194		4	T-312	S-312	0.013/0.014	0.007/0.007	34,000	32,000	1200	1400	81	78	76	70	8.799	1.196	Hydroseed on Soil
11/12/2025	1135	Grid 194	Replicate	4	T-313	S-313	0.013/0.014	0.007/0.007	34,000	32,000	1200	1400	81	78	76	70	8.799	1.196	Replicate Sample
11/12/2025	1300	NA	Media Blank	NA	T-314	S-314	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 199 ppbv
11/24/2025	938	Grid 111	Normal Cell	1	T-401	S-401	0.000/0.000	NA/NA	-2	-2	-1	-2	59	63	59	56	8.989	0.980	Soil
11/24/2025	938	Grid 111	Low	2	T-402	S-402	0.000/0.000	0.000/0.002	-2	-2	-1	-1	63	63	61	59	8.992	0.990	Soil
11/24/2025	936	Grid 111		3	T-403	S-403	0.000/0.000	0.000/0.004	-1	-1	-1	-1.0	53	55	52	55	8.993	0.998	Soil
11/24/2025	936	Grid 111		4	T-404	S-404	0.000/0.000	0.000/0.003	-1	-1	-1	-1	60	62	59	56	8.997	1.012	Soil
11/24/2025	1040	Grid 248	Normal Cell	1	T-405	S-405	0.000/0.000	0.000/0.002	0.0	0.4	0.65	0.5	81	75	74	62	8.466	0.713	Soil
11/24/2025	1041	Grid 248	Medium	2	T-406	S-406	0.000/0.000	0.000/0.000	-1	-0.4	0.1	0.5	88	86	82	66	8.461	0.770	Soil
11/24/2025	1041	Grid 248		3	T-407	S-407	0.000/0.000	0.000/0.001	58	56	2	2	107	93	80	70	8.464	0.762	Soil
11/24/2025	1040	Grid 248		4	T-408	S-408	0.000/0.000	0.000/0.001	640	630	14	50	77	77	69	66	8.466	0.723	Soil
11/24/2025	1148	Grid 243	Normal Cell	1	T-409	S-409	0.000/0.000	0.000/0.003	1.4	2.1	4	3	99	95	89	72	8.311	0.928	Soil
11/24/2025	1148	Grid 243	High	2	T-410	S-410	0.000/0.000	0.000/0.009	200	170	14	30	82	86	85	74	8.307	0.912	Soil
11/24/2025	1148	Grid 243		3	T-411	S-411	0.000/0.000	0.000/0.003	1800	1700	140	100	97	100	83	70	8.308	0.897	Soil
11/24/2025	1145	Grid 243		4	T-412	S-412	0.000/0.000	0.000/0.008	26,000	26,000	1100	250	78	90	79	72	8.318	0.891	Soil
11/24/2025	1145	Grid 243	Replicate	4	T-413	S-413	0.000/0.000	0.000/0.008	26,000	26,000	1100	250	78	90	79	72	8.318	0.891	Replicate Sample
11/24/2025	1432	NA	Media Blank	NA	T-414	S-414	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 200 ppbv
11/25/2025	729	Grid 217	Normal Cell	1	T-501	S-501	0.000/0.000	0.000/0.002	3	5	8	4	54	51	58	47	8.538	1.124	Soil
11/25/2025	729	Grid 217	Medium	2	T-502	S-502	0.000/0.000	0.000/0.003	33	26	4	15	58	57	57	47	8.527	1.124	Soil
11/25/2025	729	Grid 217		3	T-503	S-503	0.000/0.000	0.000/0.003	16	12	6	4	59	54	58	53	8.569	1.125	Soil
11/25/2025	729	Grid 217		4	T-504	S-504	0.000/0.000	0.000/0.002	11	9	7	6	57	57	56	53	8.559	1.124	Soil
11/25/2025	850	Grid 207	Membrane Cell	1	T-505	S-505	0.000/0.001	0.003/0.005	1.5	0.2	5.2	2.5	67	70	67	62	8.291	1.357	Synthetic Membrane, Seam
11/25/2025	850	Grid 207	Low	2	T-506	S-506	0.000/0.002	0.000/0.002	1.5	1.3	4.4	1.8	69	69	66	62	8.298	1.345	Synthetic Membrane, Seam
11/25/2025	850	Grid 207		3	T-507	S-507	0.003/0.001	0.000/0.005	4	1	4	NA	68	65	64	64	8.268	1.364	Synthetic Membrane
11/25/2025	850	Grid 207		4	T-508	S-508	0.000/0.001	0.000/0.005	1.3	2.2	4.3	2.2	68	67	68	64	8.277	1.353	Synthetic Membrane, Seam
11/25/2025	1008	Grid 169	Membrane Cell	1	T-509	S-509	0.001/0.000	0.010/0.005	1.9	1.2	2.2	1.4	74	74	73	72	8.398	1.516	Synthetic Membrane
11/25/2025	1008	Grid 169	High	2	T-510	S-510	0.000/0.001	0.005/0.006	10	8	4.8	3.6	69	73	69	65	8.414	1.511	Synthetic Membrane, Seam
11/25/2025	1008	Grid 169		3	T-511	S-511	0.002/0.001	0.010/0.006	0.8	0.2	1.4	1.5	83	81	72	71	8.400	1.503	Synthetic Membrane
11/25/2025	1008	Grid 169		4	T-512	S-512	0.000/0.001	0.006/0.006	1.9	1.6	2.4	1.6	82	79	78	73	8.408	1.519	Synthetic Membrane
11/25/2025	1008	Grid 169	Replicate	4	T-513	S-513	0.000/0.001	0.006/0.006	1.9	1.6	2.4	1.6	82	79	78	73	8.408	1.519	Replicate Sample
11/25/2025	1101	NA	Media Blank	NA	T-514	S-514	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 206 ppbv

Note- Two Jerome 631X H2S analyzers were used; both instrument readings reported as X/Y per data cell

NA- not applicable

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

Test Site	Grid Category	LOC.	TO-15	SRS	Propylene			Methane		Carbon Dioxide		Hydrogen		TNMHC C1		1,1-DFA	1,1-DFA Stand	Total Flow	CO2 Flux		Methane Flux		TNMHC Flux		COMMENT
					Lab	Baseline Subtract	Corrected																		
			ID	ID a,b	(ppbv)	(ppbv)	(ppbv)	(ppmv)		(ppmv)		(ppmv)		(ppmv)		(ppbv)	(ppbv)	(m3/min)	mg/m2,min		mg/m2,min		mg/m2,min		
Grid 231	Exceedance Cell	1	T-101	S-101	27.93	41.02	ND	0.9	J	880		ND	U	50	J	134.1	199	0.007	85		0.03	J	0.0017	J	Soil
Grid 231		2	T-102	S-102	37.81	41.02	ND	0.5	U	270		ND	U	77	J	179.5	199	0.006	20		0.01	U	0.0020	J	Soil
Grid 231		3	T-103	S-103	ND	33.09	ND	41.2		796		ND	U	67	J	68.7	208	0.015	156		2.93		0.0048	J	Soil
Grid 231		4	T-104	S-104	ND	33.09	ND	148.9		483		ND	U	53	J	63.9	208	0.016	102		11.39		0.0041	J	Soil
Grid 76	Interface Area Cell	1	T-105	S-105	36.83	41.02	ND	0.5	U	ND	U	ND	U	70	J	212.6	199	0.005	5	U	0.01	U	0.0017	J	Soil and Membrane
Grid 76	Medium	2	T-106	S-106	34.65	41.02	ND	0.5	U	299		ND	U	59	J	168.2	199	0.006	23		0.01	U	0.0017	J	Soil and Membrane
Grid 76		3	T-107	S-107	ND	33.09	ND	1.8	J	585		ND	U	ND	U	75.2	208	0.014	106		0.12	J	0.0015	U	Soil and Membrane
Grid 76		4	T-108	S-108	ND	33.09	ND	15.0		487		ND	U	ND	U	46.7	208	0.022	143		1.61		0.0024	U	Soil and Membrane
Grid 78	Interface Area Cell	1	T-109	S-109	38.96	41;02	ND	0.5	U	223		ND	U	140		174.4	199	0.006	17		0.01	U	0.0038		Soil and Membrane
Grid 78	Medium	2	T-110	S-110	45.97	41.02	4.95	2.4		689		ND	U	203		200.7	199	0.005	45		0.06		0.0049		Soil and Membrane
Grid 78		3	T-111	S-111	ND	33.09	ND	104.1		433		ND	U	81	J	47.1	208	0.022	125		10.96		0.0085	J	Soil and Membrane
Grid 78		4	T-112	S-112	57.35	33.09	24.26	1476.0		2680		ND	U	1,835		87.1	208	0.012	419		83.84		0.1042		Soil and Membrane
Grid 78	Replicate	4	T-113	S-113	64.18	33.09	31.09	1337.6		2598		ND	U	1,367		96.8	208	0.011	365		68.32		0.0698		Sample Replicate
NA	Media Blank	NA	S-114	S-114	41.02	41.02	NA	0.5	U	ND	U	ND	U	198		223.5	208	0.005	5	U	0.01	U	0.0050		Media Blank, 1,1-DFA 208 ppbv
Grid 211	Interface Area Cell	1	T-201	S-201	22.69	42.11	ND	1.1	J	395		ND	U	ND	U	126.2	199	0.008	42		0.04	J	0.0009	U	Soil and Membrane
Grid 211	Low	2	T-202	S-202	16.31	42.11	ND	1.9	J	277		ND	U	69	J	101.3	199	0.010	37		0.09	J	0.0034	J	Soil and Membrane
Grid 211		3	T-203	S-203	ND	33.09	ND	1.4	J	230		ND	U	ND	U	167.9	208	0.006	19		0.04	J	0.0007	U	Soil and Membrane
Grid 211		4	T-204	S-204	ND	33.09	ND	4.0		371		ND	U	348		135.7	208	0.008	38		0.15		0.0131		Soil and Membrane
Grid 209	Interface Area Cell	1	T-205	S-205	44.76	42.11	2.65	0.8	J	ND	U	ND	U	188		198.3	199	0.005	5	U	0.02	J	0.0046		Soil and Membrane
Grid 209	High	2	T-206	S-206	39.44	42.11	ND	0.5	U	ND	U	ND	U	237		221.5	199	0.005	5	U	0.01	U	0.0057		Soil and Membrane
Grid 209		3	T-207	S-207	ND	33.09	ND	1.8	J	ND	U	ND	U	ND	U	216.8	208	0.005	5	U	0.04	J	0.0005	U	Soil and Membrane
Grid 209		4	T-208	S-208	0.70	33.09	ND	1.3	J	ND	U	ND	U	ND	U	211.1	208	0.005	5	U	0.03	J	0.0005	U	Soil and Membrane
Grid 83	Reaction Area	1	T-209	S-209	5.01	33.09	ND	436.3		645		ND	U	68	J	188.4	208	0.006	47		11.58		0.0018	J	Soil
Grid 83	Low	2	T-210	S-210	53.3	42.11	11.19	3,059		2,661		ND	U	799		212.2	199	0.005	177		73.92		0.0193		Soil
Grid 83		3	T-211	S-211	6.04	33.09	ND	1,542		1,691		ND	U	187		216.6	208	0.005	112		37.05		0.0045		Soil
Grid 83		4	T-212	S-212	107.1	42.11	64.99	9,439		6,504		ND	U	2,919		111.5	199	0.009	770		406.37		0.1257		Soil
Grid 83	Replicate	4	T-213	S-213	122.2	41.56	80.59	10,644		7,249		ND	U	706		129.7	199	0.008	738		393.89		0.0261		Sample Replicate
NA	Media Blank	NA	T-214	S-214	42.11	42.11	NA	0.5	U	ND	U	ND	U	171		226.5	208	0.005	5	U	0.01	U	0.0044		Media Blank, 1,1-DFA 208 ppbv
Grid 197	Reaction Area	1	T-301	S-301	35.93	41;02	ND	1.3	J	821		ND	U	74	J	175.3	199	0.006	65		0.04	J	0.0021	J	Soil
Grid 197	Medium	2	T-302	S-302	20.12	41.02	ND	14.7		803		ND	U	159		105.2	199	0.009	107		0.71		0.0077		Soil
Grid 197		3	T-303	S-303	8.08	33.09	ND	16.4		1,907		ND	U	195		175.6	208	0.006	157		0.49		0.0059		Soil
Grid 197		4	T-304	S-304	63.04	33.09	29.95	439.9		2,514		ND	U	1,464		208.9	208	0.005	175		11.13		0.0370		Soil
Grid 96	Reaction Area	1	T-305	S-305	59.81	41.02	18.79	0.7	J	462		ND	U	229		226.5	199	0.005	32		0.02	J	0.0058		Hydroseed on Soil
Grid 96	High	2	T-306	S-306	55.99	41.02	14.97	7.1		484		ND	U	243		228.7	199	0.005	34		0.18		0.0061		Hydroseed on Soil
Grid 96		3	T-307	S-307	ND	33.09	ND	1,613		1,653		ND	U	673		208.7	208	0.005	114		40.49		0.0169		Hydroseed on Soil
Grid 96		4	T-308	S-308	89.37	33.09	56.28	8,992		7,170		ND	U	2,996		192.8	208	0.005	535		243.99		0.0813		Hydroseed on Soil
Grid 194	Reaction Area	1	T-309	S-309	ND	33.09	ND	5.8		246		ND	U	ND	U	75.4	208	0.014	48		0.41		0.0016	U	Hydroseed on Soil
Grid 194	Medium	2	T-310	S-310	ND	33.09	ND	0.9	J	ND	U	ND	U	ND	U	146.3	208	0.007	6	U	0.03	J	0.0008	U	Hydroseed on Soil
Grid 194		3	T-311	S-311	14.32	41;02	ND	175.6		594		ND	U	181		101.3	199	0.010	81		8.74		0.0090		Hydroseed on Soil
Grid 194		4	T-312	S-312	182.6	41.02	141.6	21,338		18,971		ND	U	4,692		152.7	199	0.007	1,707		697.97		0.1535		Hydroseed on Soil
Grid 194	Replicate	4	T-313	S-313	263	41.02	221.95	21,659		18,664		ND	U	1,253		178.8	199	0.006	1,434		605.31		0.0350		Replicate Sample
NA	Media Blank	NA	T-314	S-314	33.09	33.09	NA	5.6		ND	U	ND	U	76	J	202.6	199	0.005	5	U	0.14		0.0019	J	
Grid 111	Normal Cell	1	T-401	S-401	0.60	ND	ND	0.9	J	ND	U	ND	U	ND	U	179.0	206	0.005	4	U	0.02	J	0.0007	U	Soil
Grid 111	Low	2	T-402	S-402	ND	ND	ND	0.8	J	ND	U	ND	U	ND	U	154.3	206	0.007	6	U	0.03	J	0.0009	U	Soil
Grid 111		3	T-403	S-403	11.24	28.38	ND	1.9		453		ND	U	74	J	82.6	200	0.012	79		0.12		0.0047	J	Soil
Grid 111		4	T-404	S-404	21.47	28.38	ND	1.3	J	522		ND	U	66	J	156.9	200	0.006	47		0.04	J	0.0022	J	Soil
Grid 248	Normal Cell	1	T-405	S-405	25.85	28.38	ND	1.6	J	614		ND	U	154		155.1	200	0.006	55		0.05	J	0.0050		Soil
Grid 248	Medium	2	T-406	S-406	0.70	ND	0.70	1.1	J	1,199		ND	U	ND	U	154.9	206	0.007	109		0.04	J	0.0009	U	Soil
Grid 248		3	T-407	S-407	1.09	ND	1.09	54.1		657		ND	U	59	J	99.0	206	0.010	92		2.75		0.0030	J	Soil
Grid 248		4	T-408	S-408	56.78	28.38	28.4	872.0		846		ND	U	881		246.8	200	0.005	59		21.93		0.0222		Soil
Grid 243	Normal Cell	1	T-409	S-409	1.84	ND	1.84	2.8		1,035		ND	U	99	J	167.3	206	0.006	85		0.08		0.0030	J	Soil
Grid 243	High	2	T-410	S-410	4.66	ND	4.66	209.8		1,200		ND	U	159	J	136.6	206	0.008	123		7.83		0.0059	J	Soil
Grid 243		3	T-411	S-411	30.93	28.38	2.55	1,774		3,968		ND	U	666		101.3	200	0.010	520		84.54		0.0317		Soil
Grid 243		4	T-412	S-412	217.9	28.38	189.51	15,546		11,573		ND	U	4,021		209.7	200	0.005	782		381.79		0.0987		Soil
Grid 243	Replicate	4	T-413	S-413	243.4	28.38	215.02	18,731		15,550		ND	U	7,694		235.3	200	0.005	1,050		460.00		0.1890		Replicate Sample
NA	Media Blank	NA	T-414	S-414	28.38	28.38	NA	1.3	J	ND	U	ND	U	210		221.9	200	0.005	4	U	0.03	J	0.0053		Media Blank, 1,1-DFA 200 ppbv
Grid 217	Normal Cell	1	T-501	S-501	4.34	28.38	ND	5.2		869		ND	U	ND	U	30.2	200	0.033	418		0.91		0.0047	U	Soil
Grid 217	Medium	2	T-502	S-502	19.55	28.38	ND	43.1		10,794		ND	U	599		102.3	200	0.010	1,517		2.20		0.0306		Soil
Grid 217		3	T-503	S-503	2.25	ND	2.25	25.1		3,948		ND	U	277		53.9	206	0.019	1,090		2.52		0.0278		Soil
Grid 217		4	T-504	S-504	0.74	ND	0.74	16.6		465		ND	U	89	J	100.7	206	0.010	68		0.89		0.0048	J	Soil
Grid 207	Membrane Cell	1	T-505	S-505	21.24	28.38	ND	2.6		ND	U	ND	U	182		143.5	200	0.007	6	U	0.09		0.0065		Synthetic Membrane, Seam
Grid 207	Low	2	T-506	S-506	25.72	28.38	ND	2.5		ND	U	ND	U	153	J	159.5	200	0.006	5	U	0.08		0.0049	J	Synthetic Membrane, Seam
Grid 207		3	T-507	S-507	1.28	ND	1.28	0.7	J	ND	U	ND	U	129	J	210.0	206	0.005	4	U	0.02	J	0.0033	J	Synthetic Membrane
Grid 207		4	T-508	S-508	1.5	ND	1.5	2.6		502		ND	U	62	J	149.5	206	0.007	49		0.09		0.0022	J	Synthetic Membrane, Seam
Grid 169	Membrane Cell	1	T-509	S-509	22.46	28.38	ND	1.4	J	ND	U	ND	U	268		203.6	200	0.005	4	U	0.03	J	0.0068		Synthetic Membrane
Grid 169	High	2	T-510	S-510	13.27	ND	13.27	475.9		998		ND	U	2,440		171.4	206	0.006	84		14.50		0.0744		Synthetic Membrane, Seam
Grid 169		3	T-511	S-511	0.50	ND	0.50	0.5	U	ND	U	ND	U	109	J	202.2	206	0.005	4	U	0.01	U	0.0028	J	Synthetic Membrane
Grid 169		4	T-512	S-512	6.86	28.38	ND	2.2		259		ND	U	101	J	63.7	200	0.016	56		0.17		0.0080	J	Synthetic Membrane
Grid 169	Replicate	4	T-513	S-513	10.17	28.38	ND	2.2		239		ND	U	ND	U	67.3	200	0.015	49		0.16		0.0020	U	Replicate Sample
NA	Media Blank	NA	T-514	S-514	ND	ND	NA	0.5	U	ND	U	ND	U	ND	U	228.3	206	0.005	4	U	0.01	U	0.0007	U	Media Blank, 1,1-DFA 206 ppbv

Note- blank sample data for each data series (e.g., 100, 200, etc.) was used to baseline correct propylene compound data.

1,1-Difluoroethane or 1,1-DFA

Sample ID	Compound	Propylene	Propylene (Corrected)	Methanol	Acetone	Toluene	Cyclohexane	Trichloroethene (TCE)	2-Butanone (MEK)	Tetrahydrofuran	n-Heptane	m,p-Xylenes	Benzene	o-Xylene	Hexane	Chloroform	1,2-Dichloroethane	Ethylbenzene	Octane	Nonane
	CAS	115-07-1	115-07-1	67-56-1	67-64-1	108-88-3	110-82-7	79-01-6	78-93-3	109-99-9	142-82-5	1330-20-7	71-43-2	95-47-6	110-54-3	67-66-3	107-06-2	100-41-4	111-65-9	111-84-2
	MW	42.08	42.08	32	58.1	92.1	84.2	131.4	72.1	72.1	100.2	106.2	78.1	106.2	86.2	119.4	99	106.2	114.2	128.3
Lab Data (ppbv)																				
T-101		27.93	ND	27.02	10.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102		37.81	ND	34.45	13.01	ND	ND	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103		ND	ND	38.34	17.97	ND	ND	ND	ND	3.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104		ND	ND	30.45	14.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105		36.83	ND	ND	4.84	ND	ND	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106		34.65	ND	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107		ND	ND	4.21	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	ND	ND	ND
T-109		38.96	ND	ND	6.26	ND	ND	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110		45.97	4.95	ND	3.8	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND	2.07	ND	ND	ND	ND
T-111		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
T-112		57.35	24.26	2.64	ND	1.65	5.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113		64.18	31.09	4.36	ND	1.37	5.47	ND	ND	ND	ND	ND	ND	0.46	ND	ND	ND	0.38	ND	ND
T-114		41.02	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		22.69	ND	6.37	5.97	ND	ND	0.47	2.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202		16.31	ND	1.87	3.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		ND	ND	2.69	3.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204		ND	ND	ND	3.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205		44.76	2.65	ND	3.9	ND	ND	0.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206		39.44	ND	ND	3.57	ND	ND	0.77	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	ND	ND	ND
T-208		0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209		5.01	ND	2.07	6.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND
T-210		53.3	11.19	ND	ND	ND	3.48	1.09	ND	ND	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211		6.04	ND	2.01	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND
T-212		107.1	64.99	ND	ND	ND	6.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213		122.15	80.59	ND	ND	ND	3.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214		42.11	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		35.93	ND	9.27	9.94	ND	ND	0.69	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302		20.12	ND	4.24	6.1	ND	ND	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303		8.08	ND	14.45	9.78	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304		63.04	29.95	12.59	12.51	14.72	14.48	ND	ND	4.75	ND	9.27	4.19	3.14	18.71	ND	3.23	7.38	ND	ND
T-305		59.81	18.79	39.54	13.24	ND	ND	0.86	3.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306		55.99	14.97	42.73	9.84	ND	ND	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307		ND	ND	37.34	8.03	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308		89.37	56.28	23.57	6.11	1.06	3.31	ND	ND	ND	ND	4.79	ND	3.29	ND	ND	ND	ND	ND	ND
T-309		ND	ND	13.77	6.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310		ND	ND	31.93	6.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311		14.32	ND	19.82	5.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312		182.62	141.6	14.81	ND	19.94	3	1.15	ND	7.78	4	21.79	6.76	18.17	ND	22.04	ND	3.18	3.99	10.63
T-313		262.97	221.95	23.68	ND	21.09	3.32	1.2	4.05	10.04	4.3	22.53	7.59	18.75	3.59	23.94	ND	3.31	4.17	11.1
T-314		33.09	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401		0.6	ND	ND	3.21	ND	ND	15.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402		ND	ND	ND	2.46	ND	ND	13.99	ND	ND	ND	ND	ND	ND	3.93	ND	ND	ND	ND	ND
T-403		11.24	ND	ND	3.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND
T-404		21.47	ND	ND	5.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405		25.85	ND	5.08	12.99	ND	ND	ND	6.11	3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406		0.7	0.7	3.89	5.1	ND	ND	13.77	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407		1.09	1.09	5.97	10.17	ND	ND	9.02	2.32	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408		56.78	28.4	ND	5.43	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	0.74	ND	ND	ND	ND
T-409		1.84	1.84	13.58	13.68	ND	ND	13.22	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410		4.66	4.66	4.39	9.34	ND	ND	11.92	1.41	ND	ND	ND	ND	ND	ND	1.74	ND	ND	ND	ND
T-411		30.93	2.55	7.23	6.42	ND	ND	0.67	0.81	ND	ND	ND	1.54	ND	0.77	0.42	ND	ND	ND	ND
T-412		217.89	189.51	2.41	71.46	94.82	64.92	2.98	61.16	36.63	51.11	14.05	14.96	3.35	13.73	ND	21.65	11.15	15.96	4.86
T-413		243.4	215.02	2.59	69.19	117.07	75.49	3.47	65.37	38.88	60.55	32.27	17.99	10.44	16.38	ND	25.27	18.99	22.18	13.83
T-414		28.38	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		4.34	ND	ND	3.84	0.86	ND	ND	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		19.55	ND	ND	3.22	ND	0.67	1.03	0.93	ND	ND	ND	ND	ND	ND	1.34	ND	ND	ND	ND
T-503		2.25	2.25	ND	3.9	ND	0.98	6.12	1.67	0.81	ND	ND	ND	ND	0.64	0.32	ND	ND	ND	ND
T-504		0.74	0.74	ND	3.31	ND	ND	10.91	ND	ND	ND	ND	1.66	ND	ND	ND	ND	ND	ND	ND
T-505		21.24	ND	ND	2.99	ND	ND	ND	ND	ND	ND	ND	2.18	ND	ND	ND	ND	ND	ND	ND
T-506		25.72	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	1.52	ND	ND	ND	ND	ND	ND	ND
T-507		1.28	1.28	ND	2.38	1.22	ND	21.62	ND	ND	ND	0.83	7.84	ND	ND	ND	ND	0.41	ND	ND
T-508		1.5	1.5	2.21	25.16	ND	ND	0.98	0.75	ND	ND	1.82	1.5	0.89	ND	ND	ND	ND	ND	0.6
T-509		22.46	ND	ND	5.21	ND	ND	ND	1.88	1.38	ND	0.99	2.21	ND	ND	ND	ND	0.51	ND	ND
T-510		13.27	13.27	20.1	21.31	4.94	1.75	20.07	5.77	41.21	2.27	3.67	23.71	1.73	ND	ND	0.27	2.41	ND	1.24
T-511		0.5	0.5	ND	3.91	ND	ND	19.93	0.85	ND	ND	0.6	2.93	ND	ND	ND	ND	ND	ND	ND
T-512		6.86	ND	ND	4.3	ND	ND	ND	0.89	ND	ND	ND	2.62	ND	ND	ND	ND	ND	ND	ND
T-513		10.17	ND	ND	3.93	ND	ND	ND	0.8	ND	ND	0.41	4.5	ND	ND	ND	ND	ND	ND	ND
T-514		ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	Propylene	Propylene (Corrected)	Methanol	Acetone	Toluene	Cyclohexane	Trichloroethene (TCE)	2-Butanone (MEK)	Tetrahydrofuran	n-Heptane	m,p-Xylenes	Benzene	o-Xylene	Hexane	Chloroform	1,2-Dichloroethane	Ethylbenzene	Octane	Nonane
CAS	115-07-1	115-07-1	67-56-1	67-64-1	108-88-3	110-82-7	79-01-6	78-93-3	109-99-9	142-82-5	1330-20-7	71-43-2	95-47-6	110-54-3	67-66-3	107-06-2	100-41-4	111-65-9	111-84-2
MW	42.08	42.08	32	58.1	92.1	84.2	131.4	72.1	72.1	100.2	106.2	78.1	106.2	86.2	119.4	99	106.2	114.2	128.3
MDL (ppbv)																			
T-101	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-102	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-103	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-104	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-105	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-106	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-107	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-108	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-109	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-110	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-111	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-112	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-113	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-114	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-201	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-202	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-203	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-204	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-205	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-206	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-207	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-208	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-209	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-210	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-211	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-212	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-213	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-214	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-301	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-302	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-303	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-304	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-305	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-306	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-307	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-308	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-309	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-310	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-311	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-312	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-313	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-314	0.33	0.33	1.67	1.67	0.67	0.17	0.08	0.33	0.17	0.33	0.33	1.17	0.33	0.33	0.17	0.17	0.33	0.33	0.33
T-401	0.4	0.4	1.98	1.98	0.79	0.2	0.1	0.4	0.2	0.4	0.4	1.39	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-402	0.4	0.4	1.98	1.98	0.79	0.2	0.1	0.4	0.2	0.4	0.4	1.39	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-403	0.4	0.4	1.98	1.98	0.79	0.2	0.1	0.4	0.2	0.4	0.4	1.39	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-404	0.39	0.39	1.97	1.97	0.79	0.2	0.1	0.39	0.2	0.39	0.39	1.38	0.39	0.39	0.2	0.2	0.39	0.39	0.39
T-405	0.39	0.39	1.97	1.97	0.79	0.2	0.1	0.39	0.2	0.39	0.39	1.38	0.39	0.39	0.2	0.2	0.39	0.39	0.39
T-406	0.4	0.4	2	2	0.8	0.2	0.1	0.4	0.2	0.4	0.4	1.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-407	0.41	0.41	2.05	2.05	0.82	0.21	0.1	0.41	0.21	0.41	0.41	1.44	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-408	0.41	0.41	2.03	2.03	0.81	0.2	0.1	0.41	0.2	0.41	0.41	1.42	0.41	0.41	0.2	0.2	0.41	0.41	0.41
T-409	0.41	0.41	2.07	2.07	0.83	0.21	0.1	0.41	0.21	0.41	0.41	1.45	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-410	0.41	0.41	2.05	2.05	0.82	0.21	0.1	0.41	0.21	0.41	0.41	1.44	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-411	0.41	0.41	2.05	2.05	0.82	0.21	0.1	0.41	0.21	0.41	0.41	1.44	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-412	0.4	0.4	1.98	1.98	0.79	0.2	0.1	0.4	0.2	0.4	0.4	1.39	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-413	0.44	0.44	2.2	2.2	0.88	0.22	0.11	0.44	0.22	0.44	0.44	1.54	0.44	0.44	0.22	0.22	0.44	0.44	0.44
T-414	0.39	0.39	1.93	1.93	0.77	0.19	0.1	0.39	0.19	0.39	0.39	1.35	0.39	0.39	0.19	0.19	0.39	0.39	0.39
T-501	0.4	0.4	1.98	1.98	0.79	0.2	0.1	0.4	0.2	0.4	0.4	1.39	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-502	0.39	0.39	1.97	1.97	0.79	0.2	0.1	0.39	0.2	0.39	0.39	1.38	0.39	0.39	0.2	0.2	0.39	0.39	0.39
T-503	0.4	0.4	2	2	0.8	0.2	0.1	0.4	0.2	0.4	0.4	1.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-504	0.41	0.41	2.03	2.03	0.81	0.2	0.1	0.41	0.2	0.41	0.41	1.42	0.41	0.41	0.2	0.2	0.41	0.41	0.41
T-505	0.41	0.41	2.07	2.07	0.83	0.21	0.1	0.41	0.21	0.41	0.41	1.45	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-506	0.4	0.4	2	2	0.8	0.2	0.1	0.4	0.2	0.4	0.4	1.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-507	0.41	0.41	2.05	2.05	0.82	0.21	0.1	0.41	0.21	0.41	0.41	1.44	0.41	0.41	0.21	0.21	0.41	0.41	0.41
T-508	0.4	0.4	2	2	0.8	0.2	0.1	0.4	0.2	0.4	0.4	1.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
T-509	0.45	0.45	2.27	2.27	0.91	0.23	0.11	0.45	0.23	0.45	0.45	1.59	0.45	0.45	0.23	0.23	0.45	0.45	0.45
T-510	0.39	0.39	1.93	1.93	0.77	0.19	0.1	0.39	0.19	0.39	0.39	1.35	0.39	0.39	0.19	0.19	0.39	0.39	0.39
T-511	0.42	0.42	2.12	2.12	0.85	0.21	0.11	0.42	0.21	0.42	0.42	1.48	0.42	0.42	0.21	0.21	0.42	0.42	0.42
T-512	0.41	0.41	2.03	2.03	0.81	0.2	0.1	0.41	0.2	0.41	0.41	1.42	0.41	0.41	0.2	0.2	0.41	0.41	0.41
T-513	0.39	0.39	1.95	1.95	0.78	0.2	0.1	0.39	0.2	0.39	0.39	1.37	0.39	0.39	0.2	0.2	0.39	0.39	0.39
T-514	0.4	0.4	2.02	2.02	0.81	0.2	0.1	0.4	0.2	0.4	0.4	1.41	0.4	0.4	0.2	0.2	0.4	0.4	0.4

Sample ID	Compound	Propylene	Propylene (Corrected)	Methanol	Acetone	Toluene	Cyclohexane	Trichloroethene (TCE)	2-Butanone (MEK)	Tetrahydrofuran	n-Heptane	m,p-Xylenes	Benzene	o-Xylene	Hexane	Chloroform	1,2-Dichloroethane	Ethylbenzene	Octane	Nonane
	CAS	115-07-1	115-07-1	67-56-1	67-64-1	108-88-3	110-82-7	79-01-6	78-93-3	109-99-9	142-82-5	1330-20-7	71-43-2	95-47-6	110-54-3	67-66-3	107-06-2	100-41-4	111-65-9	111-84-2
	MW	42.08	42.08	32	58.1	92.1	84.2	131.4	72.1	72.1	100.2	106.2	78.1	106.2	86.2	119.4	99	106.2	114.2	128.3
Data Used (ug/m3)																				
T-101		45.26	<2.67E-01	33.29	23.74	<1.19E+0(	<2.76E-01	<2.02E-01	<4.58E-01	<2.36E-01	<6.37E-01	<6.75E-01	<1.76E+0(	<6.75E-01	<5.48E-01	<3.91E-01	<3.24E-01	<6.75E-01	<7.26E-01	<8.15E-01
T-102		61.59	<2.69E-01	42.67	29.26	<1.19E+0(	<2.77E-01	3.31	<4.61E-01	<2.37E-01	<6.40E-01	<6.78E-01	<1.77E+0(	<6.78E-01	<5.51E-01	<3.93E-01	<3.26E-01	<6.78E-01	<7.29E-01	<8.19E-01
T-103		<2.65E-01	<2.65E-01	46.75	39.78	<1.18E+0(	<2.73E-01	<2.00E-01	<4.53E-01	9.95	<6.30E-01	<6.68E-01	<1.74E+0(	<6.68E-01	<5.42E-01	<3.87E-01	<3.21E-01	<6.68E-01	<7.18E-01	<8.07E-01
T-104		<2.65E-01	<2.65E-01	37.19	33.22	<1.18E+0(	<2.73E-01	<2.01E-01	<4.54E-01	<2.34E-01	<6.31E-01	<6.69E-01	<1.74E+0(	<6.69E-01	<5.43E-01	<3.87E-01	<3.21E-01	<6.69E-01	<7.19E-01	<8.08E-01
T-105		60.31	<2.70E-01	<1.04E+0(	10.94	<1.20E+0(	<2.79E-01	3.89	<4.63E-01	<2.38E-01	<6.43E-01	<6.82E-01	<1.78E+0(	<6.82E-01	<5.54E-01	<3.95E-01	<3.27E-01	<6.82E-01	<7.33E-01	<8.24E-01
T-106		56.44	<2.69E-01	<1.03E+0(	<1.88E+0(	<1.19E+0(	<2.77E-01	3.61	<4.61E-01	<2.37E-01	<6.40E-01	<6.78E-01	<1.77E+0(	<6.78E-01	<5.51E-01	<3.93E-01	<3.26E-01	<6.78E-01	<7.29E-01	<8.19E-01
T-107		<2.69E-01	<2.69E-01	5.22	<1.88E+0(	<1.19E+0(	<2.77E-01	<2.03E-01	<4.61E-01	<2.37E-01	<6.40E-01	<6.78E-01	<1.77E+0(	<6.78E-01	<5.51E-01	<3.93E-01	<3.26E-01	<6.78E-01	<7.29E-01	<8.19E-01
T-108		<2.71E-01	<2.71E-01	<1.04E+0(	<1.89E+0(	<1.20E+0(	<2.80E-01	<2.05E-01	<4.65E-01	<2.39E-01	<6.46E-01	<6.84E-01	<1.78E+0(	<6.84E-01	<5.55E-01	<3.96E-01	<3.29E-01	<6.84E-01	<7.36E-01	<8.27E-01
T-109		64.26	<2.72E-01	<1.05E+0(	14.26	<1.21E+0(	<2.81E-01	3.81	<4.66E-01	<2.40E-01	<6.48E-01	<6.87E-01	<1.79E+0(	<6.87E-01	<5.57E-01	<3.98E-01	<3.30E-01	<6.87E-01	<7.39E-01	<8.30E-01
T-110		75.15	8.09	<1.04E+0(	8.58	<1.20E+0(	<2.78E-01	4.34	<4.62E-01	<2.38E-01	<6.42E-01	<6.81E-01	<1.77E+0(	<6.81E-01	<5.53E-01	9.60	<3.27E-01	<6.81E-01	<7.32E-01	<8.22E-01
T-111		<2.69E-01	<2.69E-01	<1.04E+0(	<1.88E+0(	<1.20E+0(	<2.78E-01	<2.04E-01	<4.61E-01	<2.38E-01	<6.41E-01	<6.80E-01	<1.77E+0(	<6.80E-01	<5.52E-01	11.58	<3.26E-01	<6.80E-01	<7.31E-01	<8.21E-01
T-112		93.25	39.45	3.26	<1.87E+0(	5.87	18.42	<2.03E-01	<4.60E-01	<2.37E-01	<6.39E-01	<6.77E-01	<1.77E+0(	<6.77E-01	<5.50E-01	<3.92E-01	<3.25E-01	<6.77E-01	<7.28E-01	<8.18E-01
T-113		104.36	50.55	5.39	<1.87E+0(	4.88	17.80	<2.03E-01	<4.60E-01	<2.37E-01	<6.39E-01	<6.77E-01	<1.77E+0(	1.89	<5.50E-01	<3.92E-01	<3.25E-01	1.56	<7.28E-01	<8.18E-01
T-114		71.49	<7.15E+0(	<1.11E+0(	<2.01E+0(	<1.28E+0(	<2.96E-01	<2.18E-01	<4.93E-01	<2.54E-01	<6.85E-01	<7.26E-01	<1.89E+0(	<7.26E-01	<5.89E-01	<4.20E-01	<3.49E-01	<7.26E-01	<7.80E-01	<8.77E-01
T-201		37.90	<2.76E-01	8.09	13.77	<1.22E+0(	<2.84E-01	2.45	8.33	<2.43E-01	<6.56E-01	<6.96E-01	<1.81E+0(	<6.96E-01	<5.65E-01	<4.03E-01	<3.34E-01	<6.96E-01	<7.48E-01	<8.40E-01
T-202		27.69	<2.80E-01	2.41	7.24	<1.24E+0(	<2.89E-01	1.86	<4.80E-01	<2.47E-01	<6.67E-01	<7.07E-01	<1.84E+0(	<7.07E-01	<5.74E-01	<4.09E-01	<3.40E-01	<7.07E-01	<7.60E-01	<8.54E-01
T-203		<2.78E-01	<2.78E-01	3.45	7.84	<1.24E+0(	<2.87E-01	<2.11E-01	<4.76E-01	<2.45E-01	<6.62E-01	<7.02E-01	<1.83E+0(	<7.02E-01	<5.70E-01	<4.06E-01	<3.37E-01	<7.02E-01	<7.55E-01	<8.48E-01
T-204		<2.78E-01	<2.78E-01	<1.07E+0(	7.99	<1.23E+0(	<2.86E-01	<2.10E-01	<4.76E-01	<2.45E-01	<6.61E-01	<7.01E-01	<1.83E+0(	<7.01E-01	<5.69E-01	<4.06E-01	<3.36E-01	<7.01E-01	<7.53E-01	<8.46E-01
T-205		73.69	4.36	<1.05E+0(	8.87	<1.21E+0(	<2.80E-01	3.44	<4.65E-01	<2.40E-01	<6.47E-01	<6.86E-01	<1.79E+0(	<6.86E-01	<5.56E-01	<3.97E-01	<3.29E-01	<6.86E-01	<7.37E-01	<8.28E-01
T-206		65.16	<2.73E-01	<1.05E+0(	8.14	<1.21E+0(	<2.81E-01	3.97	<4.67E-01	<2.41E-01	<6.49E-01	<6.88E-01	<1.79E+0(	<6.88E-01	<5.58E-01	<3.98E-01	<3.30E-01	<6.88E-01	<7.40E-01	<8.31E-01
T-207		<2.72E-01	<2.72E-01	<1.05E+0(	<1.90E+0(	<1.21E+0(	<2.80E-01	<2.06E-01	<4.65E-01	<2.40E-01	<6.47E-01	<6.86E-01	<1.79E+0(	<6.86E-01	<5.56E-01	<3.97E-01	<3.29E-01	<6.86E-01	<7.37E-01	<8.28E-01
T-208		1.15	<2.72E-01	<1.05E+0(	<1.90E+0(	<1.21E+0(	<2.81E-01	<2.06E-01	<4.66E-01	<2.40E-01	<6.48E-01	<6.87E-01	<1.79E+0(	<6.87E-01	<5.57E-01	<3.98E-01	<3.30E-01	<6.87E-01	<7.39E-01	<8.30E-01
T-209		8.23	<2.71E-01	2.59	14.57	<1.20E+0(	<2.80E-01	<2.05E-01	<4.65E-01	<2.39E-01	<6.46E-01	<6.84E-01	<1.78E+0(	<6.84E-01	<5.55E-01	14.92	<3.29E-01	<6.84E-01	<7.36E-01	<8.27E-01
T-210		88.06	18.49	<1.05E+0(	<1.90E+0(	<1.21E+0(	11.51	5.62	<4.67E-01	<2.41E-01	5.63	<6.88E-01	<1.79E+0(	<6.88E-01	<5.58E-01	<3.98E-01	<3.30E-01	<6.88E-01	<7.40E-01	<8.31E-01
T-211		9.93	<2.71E-01	2.51	<1.89E+0(	2.91	<2.80E-01	<2.05E-01	<4.65E-01	<2.39E-01	<6.46E-01	<6.84E-01	<1.78E+0(	<6.84E-01	<5.55E-01	2.61	<3.29E-01	<6.84E-01	<7.36E-01	<8.27E-01
T-212		176.64	107.19	<1.05E+0(	<1.90E+0(	<1.21E+0(	20.99	<2.06E-01	<4.66E-01	<2.40E-01	<6.48E-01	<6.87E-01	<1.79E+0(	<6.87E-01	<5.57E-01	<3.98E-01	<3.30E-01	<6.87E-01	<7.39E-01	<8.30E-01
T-213		201.46	132.92	<1.05E+0(	<1.90E+0(	<1.21E+0(	12.71	<2.06E-01	<4.66E-01	<2.40E-01	<6.48E-01	<6.87E-01	<1.79E+0(	<6.87E-01	<5.57E-01	<3.98E-01	<3.30E-01	<6.87E-01	<7.39E-01	<8.30E-01
T-214		73.39	<7.34E+0(	<1.11E+0(	<2.01E+0(	<1.28E+0(	<2.96E-01	<2.18E-01	<4.93E-01	<2.54E-01	<6.85E-01	<7.26E-01	<1.89E+0(	<7.26E-01	<5.89E-01	<4.20E-01	<3.49E-01	<7.26E-01	<7.80E-01	<8.77E-01
T-301		62.50	<2.87E-01	12.26	23.87	<1.28E+0(	<2.96E-01	3.75	4.98	<2.53E-01	<6.83E-01	<7.24E-01	<1.89E+0(	<7.24E-01	<5.88E-01	<4.20E-01	<3.48E-01	<7.24E-01	<7.79E-01	<8.75E-01
T-302		35.13	<2.88E-01	5.63	14.71	<1.28E+0(	<2.97E-01	2.02	<4.94E-01	<2.54E-01	<6.86E-01	<7.27E-01	<1.90E+0(	<7.27E-01	<5.90E-01	<4.21E-01	<3.49E-01	<7.27E-01	<7.82E-01	<8.78E-01
T-303		14.00	<2.86E-01	19.04	23.40	4.10	<2.95E-01	<2.16E-01	<4.90E-01	<2.52E-01	<6.81E-01	<7.22E-01	<1.88E+0(	<7.22E-01	<5.86E-01	<4.18E-01	<3.47E-01	<7.22E-01	<7.76E-01	<8.72E-01
T-304		109.04	51.80	16.56	29.88	55.72	50.11	<2.16E-01	<4.89E-01	14.08	<6.80E-01	40.47	13.45	13.71	66.29	<4.17E-01	13.14	32.22	<7.75E-01	<8.70E-01
T-305		103.26	32.44	51.91	31.56	<1.27E+0(	<2.94E-01	4.64	9.32	<2.51E-01	<6.78E-01	<7.19E-01	<1.87E+0(	<7.19E-01	<5.84E-01	<4.16E-01	<3.45E-01	<7.19E-01	<7.73E-01	<8.69E-01
T-306		96.48	25.80	55.99	23.41	<1.26E+0(	<2.93E-01	5.00	<4.87E-01	<2.51E-01	<6.77E-01	<7.18E-01	<1.87E+0(	<7.18E-01	<5.82E-01	<4.16E-01	<3.45E-01	<7.18E-01	<7.72E-01	<8.67E-01
T-307		<2.83E-01	<2.83E-01	48.75	19.03	2.59	<2.92E-01	<2.14E-01	<4.85E-01	<2.50E-01	<6.75E-01	<7.15E-01	<1.86E+0(	<7.15E-01	<5.80E-01	<4.14E-01	<3.43E-01	<7.15E-01	<7.69E-01	<8.64E-01
T-308		153.71	96.80	30.83	14.51	3.99	11.39	<2.15E-01	<4.86E-01	<2.50E-01	<6.76E-01	20.79	<1.87E+0(	14.28	<5.81E-01	<4.15E-01	<3.44E-01	<7.16E-01	<7.70E-01	<8.65E-01
T-309		<2.88E-01	<2.88E-01	18.25	14.97	<1.28E+0(	<2.96E-01	<2.18E-01	<4.93E-01	<2.54E-01	<6.85E-01	<7.26E-01	<1.89E+0(	<7.26E-01	<5.89E-01	<4.20E-01	<3.49E-01	<7.26E-01	<7.80E-01	<8.77E-01
T-310		<2.88E-01	<2.88E-01	42.40	16.83	<1.28E+0(	<2.97E-01	<2.18E-01	<4.94E-01	<2.54E-01	<6.86E-01	<7.27E-01	<1.90E+0(	<7.27E-01	<5.90E-01	<4.21E-01	<3.49E-01	<7.27E-01	<7.82E-01	<8.78E-01
T-311		24.82	<2.86E-01	26.12	12.42	<1.27E+0(	<2.95E-01	<2.16E-01	<4.90E-01	<2.52E-01	<6.81E-01	<7.22E-01	<1.88E+0(	<7.22E-01	<5.86E-01	<4.18E-01	<3.47E-01	<7.22E-01	<7.76E-01	<8.72E-01
T-312		313.52	243.10	19.33	<1.98E+0(	74.92	10.31	6.16	<4.85E-01	22.89	16.35	94.41	21.54	78.73	<5.80E-01	107.36	<3.43E-01	13.78	18.59	55.64
T-313		451.46	381.04	30.92	<1.98E+0(	79.25	11.40	6.43	11.91	29.53	17.58	97.62	24.18	81.24	12.63	116.62	<3.43E-01	14.34	19.43	58.10
T-314		57.67	<5.77E+0(	<1.11E+0(	<2.01E+0(	<1.28E+0(	<2.96E-01	<2.18E-01	<4.93E-01	<2.54E-01	<6.85E-01	<7.26E-01	<1.89E+0(	<7.26E-01	<5.89E-01	<4.20E-01	<3.49E-01	<7.26E-01	<7.80E-01	<8.77E-01
T-401		1.06	<3.53E-01	<1.33E+0(	7.83	<1.53E+0(	<3.53E-01	82.83	<6.05E-01	<3.03E-01	<8.41E-01	<8.91E-01	<2.28E+0(	<8.91E-01	<7.24E-01	<5.01E-01	<4.15E-01	<8.91E-01	<9.59E-01	<1.08E+0(
T-402		<3.53E-01	<3.53E-01	<1.33E+0(	6.00	<1.53E+0(	<3.53E-01	77.15	<6.05E-01	<3.03E-01	<8.41E-01	<8.91E-01	<2.28E+0(	<8.91E-01	14.22	<5.01E-01	<4.15E-01	<8.91E-01	<9.59E-01	<1.08E+0(
T-403		20.16	<3.59E-01	<1.35E+0(	8.77	<1.55E+0(	<3.59E-01	<2.80E-01	<6.15E-01	<3.07E-01	<8.54E-01	<9.05E-01	<2.31E+0(	<9.05E-01	2.31	<5.09E-01	<4.22E-01	<9.05E-01	<9.73E-01	<1.09E+0(
T-404		37.99	<3.45E-01	<1.33E+0(	13.36	<1.53E+0(	<3.54E-01	<2.76E-01	<5.91E-01	<3.03E-01	<8.22E-01	<8.71E-01	<2.27E+0(	<8.71E-01	<7.07E-01	<5.02E-01	<4.16E-01	<8.71E-01	<9.36E-01	<1.05E+0(
T-405		44.63	<3.37E-01	6.67	30.96	<1.49E+0(	<3.45E-01	<2.70E-01	18.07	11.65	<8.02E-01	<8.50E-01	<2.21E+0(	<8.50E-01	<6.90E-01	<4.90E-01	<4.06E-01	<8.50E-01	<9.14E-01	<1.03E+0(
T-406		1.18	1.18	5.00	11.91	<1.48E+0(	<3.38E-01	72.74	2.43	<2.90E-01	<8.06E-01	<8.54E-01	<2.20E+0(	<8.54E-01	<6.93E-01	<4.80E-01	<3.98E-01	<8.54E-01	<9.18E-01	<1.03E+0(
T-407		1.82	1.82	7.58	23.45	<1.50E+0(	<3.51E-01	47.04	6.64	2.12	<8.15E-01	<8.64E-01	<2.23E+0(	<8.64E-01	<7.01E-01	<4.98E-01	<4.13E-01	<8.64E-01	<9.29E-01	<1.04E+0(
T-408		97.66	48.85	<1.33E+0(	12.90	<1.52E+0(	<3.44E-01	<2.69E-01	1.68	<2.95E-01	<8.40E-01	<8.90E-01	<2.27E+0(	<8.90E-01	2.61	<4.88E-01	<4.05E-01	<8.90E-01	<9.57E-01	<1.08E+0(
T-409		3.06	3.06	17.19	31.43	<1.51E+0(	<3.50E-01	68.70	3.62	<2.99E-01	<8.12E-01	<8.61E-01	<2.24E+0(	<8.61E-01	<6.99E-01	<4.96E-01	<4.11E-01	<8.61E-01	<9.26E-01	<1.04E+0(
T-410		7.88	7.88	5.65	21.81	<1.52E+0(	<3.55E-01	62.96	4.09	<3.04E-01	<8.26E-01	<8.75E-01	<2.26E+0(	<8.75E-01	<7.10E-01	8.35	<4.18E-01	<8.75E-01	<9.41E-01	<1.06E+0(
T-411		51.01	4.21	9.07	14.62	<1.48E+0(	<3.47E-01	3.45	2.29	<2.97E-01	<8.05E-01	<8.53E-01	4.71	<8.53E-01	2.60	1.97	<4.07E-01	<8.53E-01	<9.18E-01	<1.03E+0(
T-412		365.90	318.24	3.08	165.7	348.5	218.1	15.6	176.0	105.4	204.4	59.5	46.6	14.2	47.2	<4.76E-01	85.5	47.3	72.7	24.9
T-413		408.74	361.08	3.31	160.4	430.3	253.7	18.2	188.1	111.9	242.1	136.8	56.1	44.2	56.3	<5.24E-01	99.8	80.5	101.1	70.8
T-414		49.46	<4.95E+0(	<1.28E+0(	<2.32E+0(	<1.47E+0(	<3.31E-01	<2.72E-01	<5.82E-01	<2.84E-01	<8.09E-01	<8.58E-01	<2.18E+0(	<8.58E-01	<6.96E-01	<4.70E-01	<3.90E-01	<8.58E-01	<9.22E-01	<1.04E+0(
T-501		7.84	<3.62E-01	<1.36E+0(	9.58	3.40	<3.62E-01	<2.82E-01	2.82	<3.10E-01	<8.61E-01	<9.12E-01	<2.33E+0(	<9.12E-01	<7.41E-01	<5.13E-01	<4.25E-01	<9.12E-01	<9.81E-01	<1.10E+0(
T-502		34.93	<3.48E-01	<1.34E+0(	7.94	<1.54E+0(	2.40	5.75	2.85	<3.06E-01	<8.30E-01	<8.79E-01	<2.29E+0(	<8.79E-01	<7.14E-01	6.79	<4.20E-01	<8.79E-01	<9.45E-01	<1.06E+0(
T-503		4.04	4.04	<1.37E+0(	9.68	<1.57E+0(	3.52	34.34	5.14	2.49	<8.56E-01	<9.07E-01	<2.33E+0(	<9.07E-01	2.36	1.63	<4.23E-01	<9.07E-01	<9.75E-01	<1.10E+0(
T-504		1.32	1.32	<1.38E+0(	8.16	<1.58E+0(	<3.57E-01	60.86	<6.28E-01	<3.06E-01	<8.72E-01	<9.24E-01	5.50	<9.24E-01	<7.50E-01	<5.07E-01	<4.20E-01	<9.24E-01	<9.94E-01	<1.12E+0(
T-505		37.02	<3.57E-01	<1.37E+0(	7.19	<1.58E+0(	<3.66E-01	<2.72E-01	<6.12E-01	<3.14E-01	<8.51E-01	<9.02E-01	7.05	<9.02E-01	<7.32E-01	<5.19E-01	<4.31E-01	<9.02E-01	<9.70E-01	<1.09E+0(
T-506		44.91	<3.49E-01	<1.33E+0(	6.75	<1.53E+0(	<3.49E-01	<2.73E-01	<5.98E-01	<2.99E-01	<8.32E-01	<8.81E-01	4.93	<8.81E-01	<7.15E-01	<4.95E-01	<4.11E-01	<8.81E-01	<9.48E-01	<1.06E+0(
T-507		2.25	2.25	<1.37E+0(	5.78	4.70	<3.70E-01	118.77	<6.18E-01	<3.17E-01	<8.59E-01	3.69	25.60	<9.10E-01	<7.39E-01	<5.24E-01	<4.35E-01	1.82	<9.79E-01	<1.10E+0(
T-508		2.63	2.63	2.95	60.88	<1.53E+0(	<3.51E-01	5.36	2.25	<3.00E-01	<8.35E-01	8.05	4.88	3.94	<7.18E-01	<4.97E-01	<4.12E-01	<8.85E-01	<9.51E-01	3.21
T-509		38.85	<3.89E-01	<1.49E+0(	12.44	<1.72E+0(	<3.98E-01	<2.97E-01	5.57	4.09	<9.27E-01	4.32	7.09	<9.82E-01	<7.97E-01	<5.64E-01	<4.68E-01	2.23	<1.06E+0(	<1.19E+0(
T-510		23.00	23.00	26.49	50.99	18.74	6.07	108.60	17.13	122.36	9.37	16.05	76.26	7.57	<6.92E-01	<4.67E-01	1.10	10.54	<9.17E-01	6.55
T-511		0.85	0.85	<1.38E+0(	9.22	<1.59E+0(	<3.59E-01	106.25	2.49	<3.07E-01	<8.54E-01	2.59	9.28	<9.05E-01	<7.34E-01	<5.09E-01	<4.22E-01	<9.05E-01	<9.73E-01	<1.09E+0(
T-512		11.76	<3.51E-01	<1.32E+0(	10.17	<1.52E+0(	<3.43E-01	<2.68E-01	2.61	<2.94E-01	<8.36E-01	<8.87E-01	8.33	<8.87E-01	<7.20E-01	<4.86E-01	<4.03E-01	<8.87E-01	<9.53E-01	<1.07E+0(
T-513		17.43	<3.34E-01	<1.27E+0(	9.30	<1.46E+0(	<3.43E-01	<2.68E-01	2.35	<2.94E-01	<7.96E-01	1.77	14.31	<8.43E-01	<6.85E-01	<4.86E-01	<4.03E-01	<8.43E-01	<9.07E-01	<1.02E+0(
T-514		<3.49E-01	<3.49E-01	<1.34E+0(	<2.43E+0(	<1.54E+0(	<3.49E-01	<2.72E-01	<5.97E-01	<2.99E-01	<8.30E-01	<8.80E-01	<2.28E+0(	<8.80E-01	<7.14E-01	<4.94E-01	<4.10E-01	<8.80E-01	<9.46E-01	<1.06E+0(

Sample ID	Compound	Propylene	Propylene (Corrected)	Methanol	Acetone	Toluene	Cyclohexane	Trichloroethene (TCE)	2-Butanone (MEK)	Tetrahydrofuran	n-Heptane	m,p-Xylenes	Benzene	o-Xylene	Hexane	Chloroform	1,2-Dichloroethane	Ethylbenzene	Octane	Nonane
	CAS	115-07-1	115-07-1	67-56-1	67-64-1	108-88-3	110-82-7	79-01-6	78-93-3	109-99-9	142-82-5	1330-20-7	71-43-2	95-47-6	110-54-3	67-66-3	107-06-2	100-41-4	111-65-9	111-84-2
	MW	42.08	42.08	32	58.1	92.1	84.2	131.4	72.1	72.1	100.2	106.2	78.1	106.2	86.2	119.4	99	106.2	114.2	128.3
Flux (mg/m2-min)																				
T-101		0.0026	<1.53E-05	0.0019	0.0014	<6.78E-05	<1.57E-05	<1.16E-05	<2.62E-05	<1.35E-05	<3.63E-05	<3.85E-05	<1.00E-04	<3.85E-05	<3.13E-05	<2.23E-05	<1.85E-05	<3.85E-05	<4.14E-05	<4.65E-05
T-102		0.0026	<1.15E-05	0.0018	0.0012	<5.09E-05	<1.18E-05	0.000	<1.96E-05	<1.01E-05	<2.73E-05	<2.89E-05	<7.54E-05	<2.89E-05	<2.35E-05	<1.68E-05	<1.39E-05	<2.89E-05	<3.11E-05	<3.49E-05
T-103		<3.08E-05	<3.08E-05	0.0054	0.0046	<1.37E-04	<3.18E-05	<2.33E-05	<5.28E-05	0.001	<7.34E-05	<7.78E-05	<2.03E-04	<7.78E-05	<6.32E-05	<4.51E-05	<3.74E-05	<7.78E-05	<8.37E-05	<9.40E-05
T-104		<3.32E-05	<3.32E-05	0.0047	0.0042	<1.48E-04	<3.42E-05	<2.51E-05	<5.69E-05	<2.93E-05	<7.91E-05	<8.38E-05	<2.18E-04	<8.38E-05	<6.80E-05	<4.85E-05	<4.02E-05	<8.38E-05	<9.01E-05	<1.01E-04
T-105		0.0023	<1.04E-05	<4.00E-05	0.0004	<4.62E-05	<1.07E-05	0.000	<1.78E-05	<9.17E-06	<2.47E-05	<2.62E-05	<6.84E-05	<2.62E-05	<2.13E-05	<1.52E-05	<1.26E-05	<2.62E-05	<2.82E-05	<3.17E-05
T-106		0.0026	<1.22E-05	<4.71E-05	<8.55E-05	<5.43E-05	<1.26E-05	0.000	<2.10E-05	<1.08E-05	<2.91E-05	<3.09E-05	<8.05E-05	<3.09E-05	<2.51E-05	<1.79E-05	<1.48E-05	<3.09E-05	<3.32E-05	<3.73E-05
T-107		<2.86E-05	<2.86E-05	0.0006	<2.00E-04	<1.27E-04	<2.95E-05	<2.16E-05	<4.90E-05	<2.52E-05	<6.81E-05	<7.22E-05	<1.88E-04	<7.22E-05	<5.86E-05	<4.18E-05	<3.47E-05	<7.22E-05	<7.76E-05	<8.72E-05
T-108		<4.64E-05	<4.64E-05	<1.79E-04	<3.24E-04	<2.06E-04	<4.79E-05	<3.51E-05	<7.96E-05	<4.10E-05	<1.11E-04	<1.17E-04	<3.06E-04	<1.17E-04	<9.51E-05	<6.79E-05	<5.63E-05	<1.17E-04	<1.26E-04	<1.42E-04
T-109		0.0028	<1.19E-05	<4.60E-05	0.0006	<5.31E-05	<1.23E-05	0.000	<2.05E-05	<1.05E-05	<2.84E-05	<3.01E-05	<7.86E-05	<3.01E-05	<2.45E-05	<1.75E-05	<1.45E-05	<3.01E-05	<3.24E-05	<3.64E-05
T-110		0.0029	0.00031	<3.99E-05	0.0003	<4.61E-05	<1.07E-05	0.000	<1.78E-05	<9.16E-06	<2.47E-05	<2.62E-05	<6.83E-05	<2.62E-05	<2.13E-05	0.000	<1.26E-05	<2.62E-05	<2.82E-05	<3.16E-05
T-111		<4.57E-05	<4.57E-05	<1.76E-04	<3.19E-04	<2.03E-04	<4.71E-05	<3.46E-05	<7.83E-05	<4.03E-05	<1.09E-04	<1.15E-04	<3.01E-04	<1.15E-04	<9.36E-05	0.002	<5.54E-05	<1.15E-04	<1.24E-04	<1.39E-04
T-112		0.0086	0.00362	0.0003	<1.72E-04	0.001	0.002	<1.87E-05	<4.22E-05	<2.18E-05	<5.87E-05	<6.22E-05	<1.62E-04	<6.22E-05	<5.05E-05	<3.60E-05	<2.99E-05	<6.22E-05	<6.69E-05	<7.52E-05
T-113		0.0086	0.00418	0.0004	<1.55E-04	0.000	0.001	<1.68E-05	<3.80E-05	<1.96E-05	<5.28E-05	<5.59E-05	<1.46E-04	0.000	<4.54E-05	<3.24E-05	<2.69E-05	0.000	<6.02E-05	<6.76E-05
T-114		0.0027	<2.75E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05	<3.37E-05
T-201		0.0023	<1.67E-05	0.0005	0.0008	<7.43E-05	<1.72E-05	0.000	0.001	<1.48E-05	<3.98E-05	<4.22E-05	<1.10E-04	<4.22E-05	<3.42E-05	<2.44E-05	<2.03E-05	<4.22E-05	<4.54E-05	<5.10E-05
T-202		0.0021	<2.12E-05	0.0002	0.0005	<9.41E-05	<2.18E-05	0.000	<3.63E-05	<1.87E-05	<5.04E-05	<5.34E-05	<1.39E-04	<5.34E-05	<4.34E-05	<3.09E-05	<2.57E-05	<5.34E-05	<5.75E-05	<6.45E-05
T-203		<1.32E-05	<1.32E-05	0.0002	0.0004	<5.89E-05	<1.37E-05	<1.00E-05	<2.27E-05	<1.17E-05	<3.15E-05	<3.34E-05	<8.72E-05	<3.34E-05	<2.71E-05	<1.94E-05	<1.61E-05	<3.34E-05	<3.60E-05	<4.04E-05
T-204		<1.64E-05	<1.64E-05	<6.30E-05	0.0005	<7.27E-05	<1.69E-05	<1.24E-05	<2.80E-05	<1.44E-05	<3.90E-05	<4.13E-05	<1.08E-04	<4.13E-05	<3.35E-05	<2.39E-05	<1.98E-05	<4.13E-05	<4.44E-05	<4.99E-05
T-205		0.0028	0.00017	<4.04E-05	0.0003	<4.66E-05	<1.08E-05	0.000	<1.80E-05	<9.26E-06	<2.50E-05	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05	<3.20E-05
T-206		0.0025	<1.05E-05	<4.04E-05	0.0003	<4.66E-05	<1.08E-05	0.000	<1.80E-05	<9.26E-06	<2.50E-05	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05	<3.20E-05
T-207		<1.04E-05	<1.04E-05	<4.02E-05	<7.30E-05	<4.64E-05	<1.08E-05	<7.91E-06	<1.79E-05	<9.22E-06	<2.49E-05	<2.64E-05	<6.88E-05	<2.64E-05	<2.14E-05	<1.53E-05	<1.27E-05	<2.64E-05	<2.84E-05	<3.19E-05
T-208		0.0000	<1.05E-05	<4.03E-05	<7.31E-05	<4.65E-05	<1.08E-05	<7.92E-06	<1.79E-05	<9.24E-06	<2.49E-05	<2.64E-05	<6.89E-05	<2.64E-05	<2.14E-05	<1.53E-05	<1.27E-05	<2.64E-05	<2.84E-05	<3.19E-05
T-209		0.0003	<1.15E-05	0.0001	0.0006	<5.12E-05	<1.19E-05	<8.72E-06	<1.97E-05	<1.02E-05	<2.74E-05	<2.91E-05	<7.58E-05	<2.91E-05	<2.36E-05	0.001	<1.40E-05	<2.91E-05	<3.12E-05	<3.51E-05
T-210		0.0034	0.00071	<4.04E-05	<7.33E-05	<4.66E-05	0.000	0.000	<1.80E-05	<9.26E-06	0.000	<2.65E-05	<6.90E-05	<2.65E-05	<2.15E-05	<1.53E-05	<1.27E-05	<2.65E-05	<2.85E-05	<3.20E-05
T-211		0.0004	<1.04E-05	0.0001	<7.29E-05	0.000	<1.08E-05	<7.90E-06	<1.79E-05	<9.21E-06	<2.48E-05	<2.63E-05	<6.86E-05	<2.63E-05	<2.14E-05	0.000	<1.26E-05	<2.63E-05	<2.83E-05	<3.18E-05
T-212		0.0121	0.00736	<7.19E-05	<1.31E-04	<8.30E-05	0.001	<1.41E-05	<3.20E-05	<1.65E-05	<4.45E-05	<4.71E-05	<1.23E-04	<4.71E-05	<3.83E-05	<2.73E-05	<2.26E-05	<4.71E-05	<5.07E-05	<5.70E-05
T-213		0.0119	0.00784	<6.18E-05	<1.12E-04	<7.14E-05	0.001	<1.22E-05	<2.75E-05	<1.42E-05	<3.82E-05	<4.05E-05	<1.06E-04	<4.05E-05	<3.29E-05	<2.35E-05	<1.95E-05	<4.05E-05	<4.36E-05	<4.90E-05
T-214		0.0028	<2.82E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05	<3.37E-05
T-301		0.0027	<1.25E-05	0.0005	0.0010	<5.57E-05	<1.29E-05	0.000	0.000	<1.11E-05	<2.98E-05	<3.16E-05	<8.25E-05	<3.16E-05	<2.57E-05	<1.83E-05	<1.52E-05	<3.16E-05	<3.40E-05	<3.82E-05
T-302		0.0026	<2.10E-05	0.0004	0.0011	<9.31E-05	<2.16E-05	0.000	<3.59E-05	<1.85E-05	<4.99E-05	<5.29E-05	<1.38E-04	<5.29E-05	<4.29E-05	<3.06E-05	<2.54E-05	<5.29E-05	<5.69E-05	<6.39E-05
T-303		0.0006	<1.30E-05	0.0009	0.0011	0.000	<1.34E-05	<9.86E-06	<2.23E-05	<1.15E-05	<3.10E-05	<3.29E-05	<8.57E-05	<3.29E-05	<2.67E-05	<1.90E-05	<1.58E-05	<3.29E-05	<3.54E-05	<3.97E-05
T-304		0.0042	0.00199	0.0006	0.0011	0.002	0.002	<8.31E-06	<1.88E-05	0.001	<2.61E-05	0.002	0.001	0.001	0.003	<1.60E-05	0.001	0.001	<2.98E-05	<3.35E-05
T-305		0.0040	0.00125	0.0020	0.0012	<4.87E-05	<1.13E-05	0.000	0.000	<9.67E-06	<2.61E-05	<2.77E-05	<7.21E-05	<2.77E-05	<2.24E-05	<1.60E-05	<1.33E-05	<2.77E-05	<2.97E-05	<3.34E-05
T-306		0.0037	0.00099	0.0022	0.0009	<4.86E-05	<1.13E-05	0.000	<1.87E-05	<9.65E-06	<2.60E-05	<2.76E-05	<7.20E-05	<2.76E-05	<2.24E-05	<1.60E-05	<1.33E-05	<2.76E-05	<2.97E-05	<3.33E-05
T-307		<1.09E-05	<1.09E-05	0.0019	0.0007	0.000	<1.12E-05	<8.25E-06	<1.87E-05	<9.62E-06	<2.59E-05	<2.75E-05	<7.17E-05	<2.75E-05	<2.23E-05	<1.59E-05	<1.32E-05	<2.75E-05	<2.96E-05	<3.32E-05
T-308		0.0064	0.00402	0.0013	0.0006	0.000	0.000	<8.91E-06	<2.02E-05	<1.04E-05	<2.80E-05	0.001	<7.75E-05	0.001	<2.41E-05	<1.72E-05	<1.43E-05	<2.97E-05	<3.20E-05	<3.59E-05
T-309		<3.05E-05	<3.05E-05	0.0019	0.0016	<1.36E-04	<3.15E-05	<2.31E-05	<5.23E-05	<2.69E-05	<7.27E-05	<7.70E-05	<2.01E-04	<7.70E-05	<6.25E-05	<4.46E-05	<3.70E-05	<7.70E-05	<8.28E-05	<9.30E-05
T-310		<1.58E-05	<1.58E-05	0.0023	0.0009	<7.00E-05	<1.62E-05	<1.19E-05	<2.70E-05	<1.39E-05	<3.75E-05	<3.98E-05	<1.04E-04	<3.98E-05	<3.23E-05	<2.30E-05	<1.91E-05	<3.98E-05	<4.27E-05	<4.80E-05
T-311		0.0019	<2.16E-05	0.0020	0.0009	<9.60E-05	<2.23E-05	<1.64E-05	<3.70E-05	<1.91E-05	<5.14E-05	<5.45E-05	<1.42E-04	<5.45E-05	<4.43E-05	<3.16E-05	<2.62E-05	<5.45E-05	<5.86E-05	<6.59E-05
T-312		0.0157	0.01218	0.0010	<9.92E-05	0.004	0.001	0.000	<2.43E-05	0.001	0.001	0.005	0.001	0.004	<2.91E-05	0.005	<1.72E-05	0.001	0.001	0.003
T-313		0.0193	0.01631	0.0013	<8.47E-05	0.003	0.000	0.000	0.001	0.001	0.001	0.004	0.001	0.003	0.001	0.005	<1.47E-05	0.001	0.001	0.002
T-314		0.0022	<2.22E-03	<4.26E-05	<7.73E-05	<4.91E-05	<1.14E-05	<8.37E-06	<1.89E-05	<9.76E-06	<2.63E-05	<2.79E-05	<7.28E-05	<2.79E-05	<2.27E-05	<1.62E-05	<1.34E-05	<2.79E-05	<3.00E-05	<3.37E-05
T-401		0.0000	<1.36E-05	<5.11E-05	0.0003	<5.87E-05	<1.36E-05	0.003	<2.33E-05	<1.16E-05	<3.23E-05	<3.43E-05	<8.76E-05	<3.43E-05	<2.78E-05	<1.93E-05	<1.60E-05	<3.43E-05	<3.69E-05	<4.14E-05
T-402		<1.81E-05	<1.81E-05	<6.83E-05	0.0003	<7.84E-05	<1.82E-05	0.004	<3.11E-05	<1.55E-05	<4.32E-05	<4.58E-05	<1.17E-04	<4.58E-05	0.001	<2.57E-05	<2.13E-05	<4.58E-05	<4.92E-05	<5.53E-05
T-403		0.0019	<3.34E-05	<1.26E-04	0.0008	<1.44E-04	<3.34E-05	<2.61E-05	<5.72E-05	<2.86E-05	<7.95E-05	<8.43E-05	<2.15E-04	<8.43E-05	0.000	<4.74E-05	<3.93E-05	<8.43E-05	<9.07E-05	<1.02E-04
T-404		0.0019	<1.69E-05	<6.50E-05	0.0007	<7.50E-05	<1.74E-05	<1.35E-05	<2.90E-05	<1.49E-05	<4.03E-05	<4.27E-05	<1.11E-04	<4.27E-05	<3.46E-05	<2.46E-05	<2.04E-05	<4.27E-05	<4.59E-05	<5.16E-05
T-405		0.0022	<1.67E-05	0.0003	0.0015	<7.40E-05	<1.71E-05	<1.34E-05	0.001	0.001	<3.98E-05	<4.22E-05	<1.10E-04	<4.22E-05	<3.42E-05	<2.43E-05	<2.02E-05	<4.22E-05	<4.53E-05	<5.09E-05
T-406		0.0001	0.00006	0.0003	0.0006	<7.58E-05	<1.73E-05	0.004	0.000	<1.48E-05	<4.12E-05	<4.37E-05	<1.12E-04	<4.37E-05	<3.55E-05	<2.46E-05	<2.04E-05	<4.37E-05	<4.70E-05	<5.28E-05
T-407		0.0001	0.00015	0.0006	0.0019	<1.20E-04	<2.81E-05	0.004	0.001	0.000	<6.52E-05	<6.91E-05	<1.79E-04	<6.91E-05	<5.61E-05	<3.98E-05	<3.30E-05	<6.91E-05	<7.43E-05	<8.35E-05
T-408		0.0038	0.00188	<5.11E-05	0.0005	<5.86E-05	<1.32E-05	<1.03E-05	0.000	<1.13E-05	<3.23E-05	<3.42E-05	<8.72E-05	<3.42E-05	0.000	<1.88E-05	<1.56E-05	<3.42E-05	<3.68E-05	<4.13E-05
T-409		0.0001	0.00014	0.0008	0.0015	<7.16E-05	<1.66E-05	0.003	0.000	<1.42E-05	<3.85E-05	<4.08E-05	<1.06E-04	<4.08E-05	<3.31E-05	<2.35E-05	<1.95E-05	<4.08E-05	<4.38E-05	<4.92E-05
T-410		0.0005	0.00046	0.0003	0.0013	<8.80E-05	<2.06E-05	0.004	0.000	<1.77E-05	<4.79E-05	<5.08E-05	<1.31E-04	<5.08E-05	<4.12E-05	0.000	<2.42E-05	<5.08E-05	<5.46E-05	<6.13E-05
T-411		0.0039	0.00032	0.0007	0.0011	<1.12E-04	<2.63E-05	0.000	0.000	<2.25E-05	<6.12E-05	<6.48E-05	0.000	<6.48E-05	0.000	0.000	<3.10E-05	<6.48E-05	<6.97E-05	<7.83E-05
T-412		0.0141	0.01224	0.0001	0.0064	0.013	0.008	0.001	0.007	0.004	0.008	0.002	0.002	0.001	0.002	<1.83E-05	0.003	0.002	0.003	0.001
T-413		0.0157	0.01389	0.0001	0.0062	0.02	0.010	0.001	0.007	0.004	0.009	0.005	0.002	0.002	0.002	<2.02E-05	0.004	0.003	0.004	0.003
T-414		0.0019	<1.90E-03	<4.92E-05	<8.93E-05	<5.65E-05	<1.27E-05	<1.05E-05	<2.24E-05	<1.09E-05	<3.11E-05	<3.30E-05	<8.40E-05	<3.30E-05	<2.68E-05	<1.81E-05	<1.50E-05	<3.30E-05	<3.55E-05	<3.99E-05
T-501		0.0020	<9.20E-05	<3.46E-04	0.0024	0.001	<9.20E-05	<7.18E-05	0.001	<7.88E-05	<2.19E-04	<2.32E-04	<5.93E-04	<2.32E-04	<1.88E-04	<1.31E-04	<1.08E-04	<2.32E-04	<2.50E-04	<2.80E-04
T-502		0.0026	<2.62E-05	<1.01E-04	0.0006	<1.16E-04	0.000	0.000	0.000	<2.30E-05	<6.24E-05	<6.61E-05	<1.72E-04	<6.61E-05	<5.37E-05	0.001	<3.16E-05	<6.61E-05	<7.11E-05	<7.99E-05
T-503		0.0006	0.00059	<2.01E-04	0.0014	<2.31E-04	0.001	0.005	0.001	0.000	<1.26E-04	<1.33E-04	<3.43E-04	<1.33E-04	0.000	0.000	<6.21E-05	<1.33E-04	<1.43E-04	<1.61E-04
T-504		0.0001	0.00010	<1.08E-04	0.0006	<1.25E-04	<2.81E-05	0.005	<4.94E-05	<2.41E-05	<6.86E-05	<7.27E-05	0.000	<7.27E-05	<5.90E-05	<3.99E-05	<3.31E-05	<7.27E-05	<7.82E-05	<8.78E-05
T-505		0.0020	<1.91E-05	<7.35E-05	0.0004	<8.48E-05	<1.96E-05	<1.46E-05	<3.28E-05	<1.68E-05	<4.56E-05	<4.83E-05	0.000	<4.83E-05	<3.92E-05	<2.78E-05	<2.31E-05	<4.83E-05	<5.20E-05	<5.84E-05
T-506		0.0022	<1.68E-05	<6.40E-05	0.0003	<7.37E-05	<1.68E-05	<1.31E-05	<2.89E-05	<1.44E-05	<4.01E-05	<4.25E-05	0.000	<4.25E-05	<3.45E-05	<2.39E-05	<1.98E-05	<4.25E-05	<4.57E-05	<5.13E-05
T-507		0.0001	0.00009	<5.27E-05	0.0002	0.000	<1.42E-05	0.005	<2.38E-05	<1.22E-05	<3.30E-05	0.000	0.001	<3.50E-05	<2.84E-05	<2.02E-05	<1.67E-05	0.000	<3.76E-05	<4.23E-05
T-508		0.0001	0.00014	0.0002	0.0032	<8.13E-05	<1.86E-05	0.000	0.000	<1.59E-05	<4.42E-05	0.000	0.000	0.000	<3.81E-05	<2.64E-05	<2.19E-05	<4.69E-05	<5.04E-05	0.000
T-509		0.0015	<1.50E-05	<5.74E-05	0.0005	<6.62E-05	<1.53E-05	<1.14E-05	0.000	0.000	<3.56E-05	0.000	0.000	<3.78E-05	<3.07E-05	<2.17E-05	<1.80E-05	0.000	<4.06E-05	<4.56E-05
T-510		0.0011	0.00106	0.0012	0.0024	0.001	0.000	0.005	0.001	0.006	0.000	0.001	0.004	0.000	<3.20E-05	<2.16E-05	0.000	0.000	<4.24E-05	0.000
T-511		0.0000	0.00003	<5.39E-05	0.0004	<6.22E-05	<1.41E-05	0.004	0.000	<1.20E-05	<3.34E-05	0.000	0.000	<3.54E-05	<2.88E-05	<1.99E-05	<1.65E-05	<3.54E-05	<3.81E-05	<4.28E-05
T-512		0.0014	<4.24E-05	<1.60E-04	0.0012	<1.84E-04	<4.14E-05	<3.23E-05	0.000	<3.55E-05	<1.01E-04	<1.07E-04	0.001	<1.07E-04	<8.69E-05	<5.87E-05	<4.87E-05	<1.07E-04	<1.15E-04	<1.29E-04
T-513		0.0020	<3.82E-05	<1.45E-04	0.0011	<1.67E-04	<3.92E-05	<3.06E-05	0.000	<3.35E-05	<9.09E-05	0.000	0.002	<9.64E-05	<7.82E-05	<5.56E-05	<4.61E-05	<9.64E-05	<1.04E-04	<1.16E-04
T-514		<1.34E-05	<1.34E-05	<5.15E-05	<9.35E-05	<5.94E-05	<1.34E-05	<1.05E-05	<2.30E-05	<1.15E-05	<3.19E-05	<3.38E-05	<8.77E-05	<3.38E-05	<2.75E-05	<1.90E-05	<1.58E-05	<3.38E-05	<3.64E-05	<4.09E-05

Table 3.TO-15 Compound Data

Data with magenta shading had all non-detects for this test event

Sample ID	Compound	Isopropyltoluene	Chloroethane	Acrolein	Chloromethane	Carbon disulfide	Ethanol	Tetrachloroethene (PCE)	1,3,5-Trimethylbenzene	Methylene chloride	Styrene	cis-1,2-Dichloroethene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	Decane	4-Ethyltoluene	2-propanol (isopropylalcohol)	Methyl iodide	2-Hexanone	Dichlorodifluoromethane
	CAS	99-87-6	75-00-3	107-02-8	74-87-3	75-15-0	64-17-5	127-18-4	108-67-8	75-09-2	100-42-5	156-59-2	95-63-6	540-84-1	124-18-5	622-96-8	67-63-0	4227-95-6	591-78-6	75-71-8
	MW	134.2	64.5	56.1	50.5	76.1	46.1	165.8	120.2	84.9	104.2	96.9	120.2	114.2	142.3	120.2	60.1	142.9	100.2	120.9
Lab Data (ppbv)																				
T-101		ND	ND	ND	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	ND	ND	ND
T-103		ND	ND	ND	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	ND	ND	ND
T-105		ND	ND	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	ND	ND
T-107		ND	ND	ND	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	ND	ND	ND
T-109		ND	ND	ND	1.68	ND	3.18	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		ND	ND	ND	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	ND	ND	ND
T-113		ND	ND	ND	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	ND	ND	ND
T-201		ND	ND	ND	ND	ND	2.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202		ND	ND	ND	ND	ND	4.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		ND	ND	ND	ND	ND	4.49	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	ND	ND	ND
T-205		ND	ND	ND	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	ND	ND	ND
T-207		ND	ND	ND	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	ND	ND	ND
T-209		ND	ND	2.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210		ND	ND	ND	ND	ND	ND	0.76	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	ND	ND	ND
T-212		ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213		ND	ND	ND	ND	1.25	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	ND	ND	ND
T-301		ND	ND	ND	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	ND	ND	ND
T-303		ND	ND	2.51	3.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304		ND	ND	ND	6.68	1.27	ND	ND	ND	1.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305		ND	ND	4.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306		ND	ND	3.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307		ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308		0.83	ND	ND	ND	ND	ND	ND	1.69	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	ND	ND	ND
T-310		ND	ND	ND	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	ND	ND	ND
T-312		9.82	ND	ND	ND	ND	ND	0.51	5.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313		10.12	ND	ND	ND	ND	ND	0.51	5.5	ND	ND	ND	3.63	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	ND	ND	ND
T-401		ND	ND	ND	0.6	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	ND	ND	ND
T-403		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.58	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	ND
T-405		ND	ND	2.83	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41	ND
T-406		ND	ND	1.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407		1.02	ND	1.79	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408		ND	ND	2.2	1.17	0.99	ND	ND	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	ND	ND
T-409		ND	ND	1.82	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410		ND	ND	1.75	0.65	7.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411		ND	ND	ND	ND	ND	ND	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412		1.49	18.23	ND	3.62	3.81	ND	3.63	ND	3.15	1.31	3	ND	ND	ND	1.32	ND	0.53	ND	ND
T-413		5.79	20.61	ND	4.45	4.56	ND	4.59	ND	3.31	5.23	3.39	2.67	ND	4.95	3.28	ND	0.52	ND	ND
T-414		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	2.09	ND	ND	ND	ND	ND	ND	ND	ND	3.78	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	0.41	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	ND	ND	ND
T-505		ND	ND	ND	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	ND	ND	ND
T-507		1.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508		ND	ND	0.89	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509		0.95	ND	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510		6.05	ND	ND	0.62	ND	ND	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512		1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513		1.08	ND	ND	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Compound	Isopropyltoluene	Chloroethane	Acrolein	Chloromethane	Carbon disulfide	Ethanol	Tetrachloroethene (PCE)	1,3,5-Trimethylbenzene	Methylene chloride	Styrene	cis-1,2-Dichloroethene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	Decane	4-Ethyltoluene	2-propanol (isopropylalcohol)	Methyl iodide	2-Hexanone	Dichlorodifluoromethane
	CAS	99-87-6	75-00-3	107-02-8	74-87-3	75-15-0	64-17-5	127-18-4	108-67-8	75-09-2	100-42-5	156-59-2	95-63-6	540-84-1	124-18-5	622-96-8	67-63-0	4227-95-6	591-78-6	75-71-8
	MW	134.2	64.5	56.1	50.5	76.1	46.1	165.8	120.2	84.9	104.2	96.9	120.2	114.2	142.3	120.2	60.1	142.9	100.2	120.9
MDL (ppbv)																				
T-101		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-102		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-103		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-104		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-105		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-106		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-107		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-108		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-109		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-110		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-111		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-112		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-113		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-114		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-201		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-202		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-203		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-204		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-205		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-206		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-207		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-208		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-209		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-210		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-211		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-212		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-213		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-214		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-301		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-302		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-303		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-304		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-305		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-306		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-307		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-308		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-309		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-310		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-311		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-312		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-313		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-314		0.67	0.33	0.33	0.5	0.33	1.67	0.08	0.67	0.17	0.5	0.17	0.67	0.17	0.67	0.67	0.67	0.33	0.33	0.5
T-401		0.79	0.4	0.4	0.6	0.4	1.98	0.1	0.79	0.2	0.6	0.2	0.79	0.2	0.79	0.79	0.79	0.4	0.4	0.6
T-402		0.79	0.4	0.4	0.6	0.4	1.98	0.1	0.79	0.2	0.6	0.2	0.79	0.2	0.79	0.79	0.79	0.4	0.4	0.6
T-403		0.79	0.4	0.4	0.6	0.4	1.98	0.1	0.79	0.2	0.6	0.2	0.79	0.2	0.79	0.79	0.79	0.4	0.4	0.6
T-404		0.79	0.39	0.39	0.59	0.39	1.97	0.1	0.79	0.2	0.59	0.2	0.79	0.2	0.79	0.79	0.79	0.39	0.39	0.59
T-405		0.79	0.39	0.39	0.59	0.39	1.97	0.1	0.79	0.2	0.59	0.2	0.79	0.2	0.79	0.79	0.79	0.39	0.39	0.59
T-406		0.8	0.4	0.4	0.6	0.4	2	0.1	0.8	0.2	0.6	0.2	0.8	0.2	0.8	0.8	0.8	0.4	0.4	0.6
T-407		0.82	0.41	0.41	0.62	0.41	2.05	0.1	0.82	0.21	0.62	0.21	0.82	0.21	0.82	0.82	0.82	0.41	0.41	0.62
T-408		0.81	0.41	0.41	0.61	0.41	2.03	0.1	0.81	0.2	0.61	0.2	0.81	0.2	0.81	0.81	0.81	0.41	0.41	0.61
T-409		0.83	0.41	0.41	0.62	0.41	2.07	0.1	0.83	0.21	0.62	0.21	0.83	0.21	0.83	0.83	0.83	0.41	0.41	0.62
T-410		0.82	0.41	0.41	0.62	0.41	2.05	0.1	0.82	0.21	0.62	0.21	0.82	0.21	0.82	0.82	0.82	0.41	0.41	0.62
T-411		0.82	0.41	0.41	0.62	0.41	2.05	0.1	0.82	0.21	0.62	0.21	0.82	0.21	0.82	0.82	0.82	0.41	0.41	0.62
T-412		0.79	0.4	0.4	0.6	0.4	1.98	0.1	0.79	0.2	0.6	0.2	0.79	0.2	0.79	0.79	0.79	0.4	0.4	0.6
T-413		0.88	0.44	0.44	0.66	0.44	2.2	0.11	0.88	0.22	0.66	0.22	0.88	0.22	0.88	0.88	0.88	0.44	0.44	0.66
T-414		0.77	0.39	0.39	0.58	0.39	1.93	0.1	0.77	0.19	0.58	0.19	0.77	0.19	0.77	0.77	0.77	0.39	0.39	0.58
T-501		0.79	0.4	0.4	0.6	0.4	1.98	0.1	0.79	0.2	0.6	0.2	0.79	0.2	0.79	0.79	0.79	0.4	0.4	0.6
T-502		0.79	0.39	0.39	0.59	0.39	1.97	0.1	0.79	0.2	0.59	0.2	0.79	0.2	0.79	0.79	0.79	0.39	0.39	0.59
T-503		0.8	0.4	0.4	0.6	0.4	2	0.1	0.8	0.2	0.6	0.2	0.8	0.2	0.8	0.8	0.8	0.4	0.4	0.6
T-504		0.81	0.41	0.41	0.61	0.41	2.03	0.1	0.81	0.2	0.61	0.2	0.81	0.2	0.81	0.81	0.81	0.41	0.41	0.61
T-505		0.83	0.41	0.41	0.62	0.41	2.07	0.1	0.83	0.21	0.62	0.21	0.83	0.21	0.83	0.83	0.83	0.41	0.41	0.62
T-506		0.8	0.4	0.4	0.6	0.4	2	0.1	0.8	0.2	0.6	0.2	0.8	0.2	0.8	0.8	0.8	0.4	0.4	0.6
T-507		0.82	0.41	0.41	0.62	0.41	2.05	0.1	0.82	0.21	0.62	0.21	0.82	0.21	0.82	0.82	0.82	0.41	0.41	0.62
T-508		0.8	0.4	0.4	0.6	0.4	2	0.1	0.8	0.2	0.6	0.2	0.8	0.2	0.8	0.8	0.8	0.4	0.4	0.6
T-509		0.91	0.45	0.45	0.68	0.45	2.27	0.11	0.91	0.23	0.68	0.23	0.91	0.23	0.91	0.91	0.91	0.45	0.45	0.68
T-510		0.77	0.39	0.39	0.58	0.39	1.93	0.1	0.77	0.19	0.58	0.19	0.77	0.19	0.77	0.77	0.77	0.39	0.39	0.58
T-511		0.85	0.42	0.42	0.64	0.42	2.12	0.11	0.85	0.21	0.64	0.21	0.85	0.21	0.85	0.85	0.85	0.42	0.42	0.64
T-512		0.81	0.41	0.41	0.61	0.41	2.03	0.1	0.81	0.2	0.61	0.2	0.81	0.2	0.81	0.81	0.81	0.41	0.41	0.61
T-513		0.78	0.39	0.39	0.59	0.39	1.95	0.1	0.78	0.2	0.59	0.2	0.78	0.2	0.78	0.78	0.78	0.39	0.39	0.59
T-514		0.81	0.4	0.4	0.61	0.4	2.02	0.1	0.81	0.2	0.61	0.2	0.81	0.2	0.81	0.81	0.81	0.4	0.4	0.61

Sample ID	Compound	Isopropyltoluene	Chloroethane	Acrolein	Chloromethane	Carbon disulfide	Ethanol	Tetrachloroethene (PCE)	1,3,5-Trimethylbenzene	Methylene chloride	Styrene	cis-1,2-Dichloroethene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	Decane	4-Ethyltoluene	2-propanol (isopropylalcohol)	Methyl iodide	2-Hexanone	Dichlorodifluoromethane
	CAS	99-87-6	75-00-3	107-02-8	74-87-3	75-15-0	64-17-5	127-18-4	108-67-8	75-09-2	100-42-5	156-59-2	95-63-6	540-84-1	124-18-5	622-96-8	67-63-0	4227-95-6	591-78-6	75-71-8
	MW	134.2	64.5	56.1	50.5	76.1	46.1	165.8	120.2	84.9	104.2	96.9	120.2	114.2	142.3	120.2	60.1	142.9	100.2	120.9
Data Used (ug/m3)																				
T-101		<1.73E+0(	<4.10E-01	<3.56E-01	<4.86E-01	<4.84E-01	<1.48E+0(	<2.55E-01	<1.55E+0(	<2.78E-01	<1.00E+0(	<3.17E-01	<1.55E+0(	<3.74E-01	<1.84E+0(	<1.55E+0(	<7.75E-01	<9.08E-01	<6.37E-01	<1.16E+0(
T-102		<1.74E+0(	<4.12E-01	<3.58E-01	<4.89E-01	<4.86E-01	<1.49E+0(	<2.57E-01	<1.56E+0(	<2.79E-01	<1.01E+0(	<3.19E-01	<1.56E+0(	<3.76E-01	<1.85E+0(	<1.56E+0(	<7.79E-01	<9.13E-01	<6.40E-01	<1.17E+0(
T-103		<1.71E+0(	<4.06E-01	<3.53E-01	<4.81E-01	<4.78E-01	<1.47E+0(	<2.53E-01	<1.53E+0(	<2.75E-01	<9.93E-01	<3.14E-01	<1.53E+0(	<3.70E-01	<1.82E+0(	<1.53E+0(	<7.67E-01	<8.98E-01	<6.30E-01	<1.15E+0(
T-104		<1.72E+0(	<4.06E-01	<3.53E-01	<4.82E-01	<4.79E-01	<1.47E+0(	<2.53E-01	<1.54E+0(	<2.75E-01	<9.94E-01	<3.14E-01	<1.54E+0(	<3.71E-01	<1.82E+0(	<1.54E+0(	<7.69E-01	<9.00E-01	<6.31E-01	<1.15E+0(
T-105		<1.75E+0(	<4.14E-01	<3.60E-01	<4.91E-01	<4.89E-01	<1.50E+0(	<2.58E-01	<1.57E+0(	<2.81E-01	<1.01E+0(	<3.21E-01	<1.57E+0(	<3.78E-01	<1.86E+0(	<1.57E+0(	<7.84E-01	<9.18E-01	<6.43E-01	<1.18E+0(
T-106		<1.74E+0(	<4.12E-01	<3.58E-01	<4.89E-01	<4.86E-01	<1.49E+0(	<2.57E-01	<1.56E+0(	<2.79E-01	<1.01E+0(	<3.19E-01	<1.56E+0(	<3.76E-01	<1.85E+0(	<1.56E+0(	<7.79E-01	<9.13E-01	<6.40E-01	<1.17E+0(
T-107		<1.74E+0(	<4.12E-01	<3.58E-01	<4.89E-01	<4.86E-01	<1.49E+0(	<2.57E-01	<1.56E+0(	<2.79E-01	<1.01E+0(	<3.19E-01	<1.56E+0(	<3.76E-01	<1.85E+0(	<1.56E+0(	<7.79E-01	<9.13E-01	<6.40E-01	<1.17E+0(
T-108		<1.76E+0(	<4.16E-01	<3.62E-01	<4.93E-01	<4.90E-01	<1.50E+0(	<2.59E-01	<1.57E+0(	<2.82E-01	<1.02E+0(	<3.22E-01	<1.57E+0(	<3.79E-01	<1.86E+0(	<1.57E+0(	<7.86E-01	<9.21E-01	<6.46E-01	<1.18E+0(
T-109		<1.76E+0(	<4.17E-01	<3.63E-01	3.33	<4.92E-01	5.75	<2.60E-01	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.89E-01	<9.24E-01	<6.48E-01	<1.18E+0(
T-110		<1.75E+0(	<4.13E-01	<3.60E-01	<4.90E-01	<4.88E-01	<1.50E+0(	<2.58E-01	<1.56E+0(	<2.80E-01	<1.01E+0(	<3.20E-01	<1.56E+0(	<3.77E-01	<1.85E+0(	<1.56E+0(	<7.82E-01	<9.16E-01	<6.42E-01	<1.17E+0(
T-111		<1.74E+0(	<4.13E-01	<3.59E-01	<4.90E-01	<4.87E-01	<1.49E+0(	<2.57E-01	<1.56E+0(	<2.80E-01	<1.01E+0(	<3.19E-01	<1.56E+0(	<3.76E-01	<1.85E+0(	<1.56E+0(	<7.81E-01	<9.14E-01	<6.41E-01	<1.17E+0(
T-112		<1.74E+0(	<4.11E-01	<3.58E-01	<4.88E-01	<4.85E-01	<1.49E+0(	<2.56E-01	<1.56E+0(	<2.79E-01	<1.01E+0(	<3.18E-01	<1.56E+0(	<3.75E-01	<1.84E+0(	<1.56E+0(	<7.78E-01	<9.11E-01	<6.39E-01	<1.17E+0(
T-113		<1.74E+0(	<4.11E-01	<3.58E-01	<4.88E-01	<4.85E-01	<1.49E+0(	<2.56E-01	<1.56E+0(	<2.79E-01	<1.01E+0(	<3.18E-01	<1.56E+0(	<3.75E-01	<1.84E+0(	<1.56E+0(	<7.78E-01	<9.11E-01	<6.39E-01	<1.17E+0(
T-114		<1.86E+0(	<4.41E-01	<3.83E-01	<5.23E-01	<5.20E-01	<1.59E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.41E-01	<1.67E+0(	<4.02E-01	<1.97E+0(	<1.67E+0(	<8.34E-01	<9.76E-01	<6.85E-01	<1.25E+0(
T-201		<1.78E+0(	<4.22E-01	<3.67E-01	<5.01E-01	<4.98E-01	5.38	<2.63E-01	<1.60E+0(	<2.86E-01	<1.03E+0(	<3.27E-01	<1.60E+0(	<3.85E-01	<1.89E+0(	<1.60E+0(	<7.99E-01	<9.36E-01	<6.56E-01	<1.20E+0(
T-202		<1.81E+0(	<4.29E-01	<3.73E-01	<5.09E-01	<5.07E-01	8.52	<2.68E-01	<1.62E+0(	<2.91E-01	<1.05E+0(	<3.32E-01	<1.62E+0(	<3.92E-01	<1.92E+0(	<1.62E+0(	<8.12E-01	<9.51E-01	<6.67E-01	<1.22E+0(
T-203		<1.80E+0(	<4.26E-01	<3.71E-01	<5.06E-01	<5.03E-01	8.29	<2.66E-01	<1.61E+0(	<2.89E-01	<1.04E+0(	<3.30E-01	<1.61E+0(	<3.89E-01	<1.91E+0(	<1.61E+0(	<8.06E-01	<9.44E-01	<6.62E-01	<1.21E+0(
T-204		<1.80E+0(	<4.25E-01	<3.70E-01	<5.05E-01	<5.02E-01	<1.54E+0(	<2.65E-01	<1.61E+0(	<2.89E-01	<1.04E+0(	<3.29E-01	<1.61E+0(	<3.88E-01	<1.91E+0(	<1.61E+0(	<8.05E-01	<9.43E-01	<6.61E-01	<1.21E+0(
T-205		<1.76E+0(	<4.16E-01	<3.62E-01	<4.94E-01	<4.91E-01	<1.51E+0(	<2.59E-01	<1.58E+0(	<2.82E-01	<1.02E+0(	<3.22E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.88E-01	<9.22E-01	<6.47E-01	<1.18E+0(
T-206		<1.77E+0(	<4.18E-01	<3.63E-01	<4.96E-01	<4.93E-01	<1.51E+0(	<2.60E-01	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.81E-01	<1.87E+0(	<1.58E+0(	<7.91E-01	<9.26E-01	<6.49E-01	<1.19E+0(
T-207		<1.76E+0(	<4.16E-01	<3.62E-01	<4.94E-01	<4.91E-01	<1.51E+0(	<2.59E-01	<1.58E+0(	<2.82E-01	<1.02E+0(	<3.22E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.88E-01	<9.22E-01	<6.47E-01	<1.18E+0(
T-208		<1.76E+0(	<4.17E-01	<3.63E-01	<4.95E-01	<4.92E-01	<1.51E+0(	<2.60E-01	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.89E-01	<9.24E-01	<6.48E-01	<1.18E+0(
T-209		<1.76E+0(	<4.16E-01	4.93	<4.93E-01	<4.90E-01	<1.50E+0(	<2.59E-01	<1.57E+0(	<2.82E-01	<1.02E+0(	<3.22E-01	<1.57E+0(	<3.79E-01	<1.86E+0(	<1.57E+0(	<7.86E-01	<9.21E-01	<6.46E-01	<1.18E+0(
T-210		<1.77E+0(	<4.18E-01	<3.63E-01	<4.96E-01	<4.93E-01	<1.51E+0(	4.95	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.81E-01	<1.87E+0(	<1.58E+0(	<7.91E-01	<9.26E-01	<6.49E-01	<1.19E+0(
T-211		<1.76E+0(	<4.16E-01	<3.62E-01	<4.93E-01	<4.90E-01	<1.50E+0(	<2.59E-01	<1.57E+0(	<2.82E-01	<1.02E+0(	<3.22E-01	<1.57E+0(	<3.79E-01	<1.86E+0(	<1.57E+0(	<7.86E-01	<9.21E-01	<6.46E-01	<1.18E+0(
T-212		<1.76E+0(	<4.17E-01	<3.63E-01	<4.95E-01	3.19	<1.51E+0(	<2.60E-01	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.89E-01	<9.24E-01	<6.48E-01	<1.18E+0(
T-213		<1.76E+0(	<4.17E-01	<3.63E-01	<4.95E-01	3.73	<1.51E+0(	<2.60E-01	<1.58E+0(	<2.83E-01	<1.02E+0(	<3.23E-01	<1.58E+0(	<3.80E-01	<1.87E+0(	<1.58E+0(	<7.89E-01	<9.24E-01	<6.48E-01	<1.18E+0(
T-214		<1.86E+0(	<4.41E-01	<3.83E-01	<5.23E-01	<5.20E-01	<1.59E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.41E-01	<1.67E+0(	<4.02E-01	<1.97E+0(	<1.67E+0(	<8.34E-01	<9.76E-01	<6.85E-01	<1.25E+0(
T-301		<1.86E+0(	<4.40E-01	<3.83E-01	<5.22E-01	<5.19E-01	<1.59E+0(	<2.74E-01	<1.66E+0(	<2.98E-01	<1.08E+0(	<3.40E-01	<1.66E+0(	<4.01E-01	<1.97E+0(	<1.66E+0(	<8.32E-01	<9.75E-01	<6.83E-01	<1.25E+0(
T-302		<1.87E+0(	<4.42E-01	<3.84E-01	<5.24E-01	<5.21E-01	<1.60E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.42E-01	<1.67E+0(	<4.03E-01	<1.98E+0(	<1.67E+0(	<8.35E-01	<9.78E-01	<6.86E-01	<1.25E+0(
T-303		<1.85E+0(	<4.38E-01	5.80	6.84	<5.17E-01	<1.59E+0(	<2.73E-01	<1.66E+0(	<2.97E-01	<1.07E+0(	<3.39E-01	<1.66E+0(	<4.00E-01	<1.96E+0(	<1.66E+0(	<8.29E-01	<9.71E-01	<6.81E-01	<1.24E+0(
T-304		<1.85E+0(	<4.37E-01	<3.80E-01	13.87	3.97	<1.58E+0(	<2.73E-01	<1.66E+0(	6.49	<1.07E+0(	<3.39E-01	<1.66E+0(	<3.99E-01	<1.96E+0(	<1.66E+0(	<8.28E-01	<9.69E-01	<6.80E-01	<1.24E+0(
T-305		<1.84E+0(	<4.37E-01	9.94	<5.18E-01	<5.15E-01	<1.58E+0(	<2.72E-01	<1.65E+0(	<2.96E-01	<1.07E+0(	<3.38E-01	<1.65E+0(	<3.98E-01	<1.96E+0(	<1.65E+0(	<8.26E-01	<9.67E-01	<6.78E-01	<1.24E+0(
T-306		<1.84E+0(	<4.36E-01	8.75	<5.17E-01	<5.14E-01	<1.58E+0(	<2.72E-01	<1.65E+0(	<2.96E-01	<1.07E+0(	<3.37E-01	<1.65E+0(	<3.98E-01	<1.95E+0(	<1.65E+0(	<8.24E-01	<9.66E-01	<6.77E-01	<1.24E+0(
T-307		<1.83E+0(	<4.34E-01	7.32	<5.15E-01	<5.12E-01	<1.57E+0(	<2.71E-01	<1.64E+0(	<2.94E-01	<1.06E+0(	<3.36E-01	<1.64E+0(	<3.96E-01	<1.94E+0(	<1.64E+0(	<8.21E-01	<9.62E-01	<6.75E-01	<1.23E+0(
T-308		4.55	<4.35E-01	<3.78E-01	<5.16E-01	<5.13E-01	<1.57E+0(	<2.71E-01	8.30	<2.95E-01	<1.06E+0(	<3.37E-01	<1.65E+0(	<3.97E-01	<1.95E+0(	<1.65E+0(	<8.23E-01	<9.64E-01	<6.76E-01	<1.24E+0(
T-309		<1.86E+0(	<4.41E-01	<3.83E-01	<5.23E-01	<5.20E-01	<1.59E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.41E-01	<1.67E+0(	<4.02E-01	<1.97E+0(	<1.67E+0(	<8.34E-01	<9.76E-01	<6.85E-01	<1.25E+0(
T-310		<1.87E+0(	<4.42E-01	<3.84E-01	<5.24E-01	<5.21E-01	<1.60E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.42E-01	<1.67E+0(	<4.03E-01	<1.98E+0(	<1.67E+0(	<8.35E-01	<9.78E-01	<6.86E-01	<1.25E+0(
T-311		<1.85E+0(	<4.38E-01	<3.81E-01	<5.20E-01	<5.17E-01	<1.59E+0(	<2.73E-01	<1.66E+0(	<2.97E-01	<1.07E+0(	<3.39E-01	<1.66E+0(	<4.00E-01	<1.96E+0(	<1.66E+0(	<8.29E-01	<9.71E-01	<6.81E-01	<1.24E+0(
T-312		53.77	<4.34E-01	<3.78E-01	<5.15E-01	<5.12E-01	<1.57E+0(	3.45	27.07	<2.94E-01	<1.06E+0(	<3.36E-01	<1.64E+0(	<3.96E-01	<1.94E+0(	<1.64E+0(	<8.21E-01	<9.62E-01	<6.75E-01	<1.23E+0(
T-313		55.41	<4.34E-01	<3.78E-01	<5.15E-01	<5.12E-01	<1.57E+0(	3.45	26.97	<2.94E-01	<1.06E+0(	<3.36E-01	17.80	<3.96E-01	<1.94E+0(	<1.64E+0(	<8.21E-01	<9.62E-01	<6.75E-01	<1.23E+0(
T-314		<1.86E+0(	<4.41E-01	<3.83E-01	<5.23E-01	<5.20E-01	<1.59E+0(	<2.75E-01	<1.67E+0(	<2.99E-01	<1.08E+0(	<3.41E-01	<1.67E+0(	<4.02E-01	<1.97E+0(	<1.67E+0(	<8.34E-01	<9.76E-01	<6.85E-01	<1.25E+0(
T-401		<2.22E+0(	<5.41E-01	<4.71E-01	1.27	<6.39E-01	<1.92E+0(	<3.48E-01	<1.99E+0(	<3.56E-01	<1.31E+0(	<4.07E-01	<1.99E+0(	<4.79E-01	<2.36E+0(	<1.99E+0(	<9.96E-01	<1.20E+0(	<8.41E-01	<1.52E+0(
T-402		<2.22E+0(	<5.41E-01	<4.71E-01	<6.36E-01	<6.39E-01	<1.92E+0(	<3.48E-01	<1.99E+0(	<3.56E-01	<1.31E+0(	<4.07E-01	<1.99E+0(	<4.79E-01	<2.36E+0(	<1.99E+0(	<9.96E-01	<1.20E+0(	<8.41E-01	<1.52E+0(
T-403		<2.26E+0(	<5.50E-01	<4.78E-01	<6.46E-01	<6.49E-01	<1.95E+0(	<3.53E-01	<2.02E+0(	<3.62E-01	<1.33E+0(	<4.13E-01	<2.02E+0(	22.29	<2.40E+0(	<2.02E+0(	<1.01E+0(	<1.22E+0(	<8.54E-01	<1.55E+0(
T-404		<2.23E+0(	<5.29E-01	<4.60E-01	<6.26E-01	<6.24E-01	<1.91E+0(	<3.49E-01	<2.00E+0(	<3.57E-01	<1.29E+0(	<4.07E-01	<2.00E+0(	<4.80E-01	<2.36E+0(	<2.00E+0(	<9.98E-01	<1.17E+0(	<8.22E-01	<1.50E+0(
T-405		<2.17E+0(	<5.16E-01	6.51	1.99	<6.09E-01	<1.86E+0(	<3.40E-01	<1.95E+0(	<3.48E-01	<1.26E+0(	<3.98E-01	<1.95E+0(	<4.69E-01	<2.31E+0(	<1.95E+0(	<9.74E-01	<1.14E+0(	1.69	<1.46E+0(
T-406		<2.16E+0(	<5.19E-01	2.39	<6.09E-01	<6.12E-01	<1.85E+0(	<3.33E-01	<1.93E+0(	<3.41E-01	<1.26E+0(	<3.90E-01	<1.93E+0(	<4.59E-01	<2.29E+0(	<1.93E+0(	<9.66E-01	<1.15E+0(	<8.06E-01	<1.46E+0(
T-407		5.43	<5.25E-01	3.99	2.06	<6.19E-01	<1.88E+0(	<3.29E-01	<1.96E+0(	<3.54E-01	<1.28E+0(	<4.04E-01	<1.96E+0(	<4.76E-01	<2.32E+0(	<1.96E+0(	<9.78E-01	<1.16E+0(	<8.15E-01	<1.49E+0(
T-408		<2.22E+0(	<5.40E-01	5.04	2.42	3.08	<1.91E+0(	<3.39E-01	<1.99E+0(	<3.47E-01	<1.30E+0(	<3.96E-01	<1.99E+0(	4.43	<2.36E+0(	<1.99E+0(	<9.95E-01	<1.20E+0(	<8.40E-01	<1.51E+0(
T-409		<2.20E+0(	<5.23E-01	4.04	2.10	<6.17E-01	<1.89E+0(	<3.28E-01	<1.97E+0(	<3.53E-01	<1.28E+0(	<4.02E-01	<1.97E+0(	<4.74E-01	<2.34E+0(	<1.97E+0(	<9.86E-01	<1.16E+0(	<8.12E-01	<1.48E+0(
T-410		<2.21E+0(	<5.32E-01	3.95	1.32	23.74	<1.90E+0(	<3.33E-01	<1.98E+0(	<3.58E-01	<1.30E+0(	<4.09E-01	<1.98E+0(	<4.82E-01	<2.35E+0(	<1.98E+0(	<9.91E-01	<1.18E+0(	<8.26E-01	<1.51E+0(
T-411		<2.16E+0(	<5.18E-01	<4.51E-01	<6.14E-01	<6.11E-01	<1.85E+0(	7.73	<1.93E+0(	<3.49E-01	<1.27E+0(	<3.99E-01	<1.93E+0(	<4.70E-01	<2.29E+0(	<1.93E+0(	<9.66E-01	<1.15E+0(	<8.05E-01	<1.47E+0(
T-412		8.0	46.9	<4.48E-01	7.3	11.6	<1.82E+0(	24.0	<1.89E+0(	10.7	5.4	11.6	<1.89E+0(	<4.56E-01	<2.24E+0(	6.3	<9.47E-01	3.02	<8.00E-01	<1.45E+0(
T-413		31.0	53.1	<4.93E-01	9.0	13.8	<2.02E+0(	30.4	<2.11E+0(	11.2	21.7	13.1	12.8	<5.01E-01	28.1	15.7	<1.06E+0(	2.97	<8.80E-01	<1.59E+0(
T-414		<2.14E+0(	<5.21E-01	<4.53E-01	<6.07E-01	<6.15E-01	<1.84E+0(	<3.43E-01	<1.92E+0(	<3.34E-01	<1.25E+0(	<3.81E-01	<1.92E+0(	<4.49E-01	<2.27E+0(	<1.92E+0(	<9.58E-01	<1.15E+0(	<8.09E-01	<1.45E+0(
T-501		<2.28E+0(	<5.54E-01	1.93	<6.51E-01	<6.54E-01	<1.96E+0(	<3.56E-01	<2.04E+0(	<3.65E-01	<1.34E+0(	<4.16E-01	<2.04E+0(	<4.91E-01	<2.41E+0(	<2.04E+0(	<1.02E+0(	<1.23E+0(	<8.61E-01	<1.56E+0(
T-502		<2.25E+0(	<5.34E-01	<4.64E-01	<6.32E-01	<6.30E-01	<1.93E+0(	14.71	<2.02E+0(	<3.60E-01	<1.31E+0(	<4.11E-01	<2.02E+0(	<4.85E-01	<2.39E+0(	<2.02E+0(	9.65	<1.18E+0(	<8.30E-01	<1.51E+0(
T-503		<2.29E+0(	<5.51E-01	<4.79E-01	<6.47E-01	<6.50E-01	<1.97E+0(	2.90	<2.05E+0(	<3.63E-01	<1.33E+0(	<4.14E-01	<2.05E+0(	<4.88E-01	<2.43E+0(	<2.05E+0(	<1.03E+0(	<1.22E+0(	<8.56E-01	<1.55E+0(
T-504		<2.31E+0(	<5.61E-01	<4.88E-01	<6.54E-01	<6.62E-01	<1.99E+0(	<3.52E-01	<2.07E+0(	<3.60E-01	<1.35E+0(	<4.11E-01	<2.07E+0(	<4.85E-01	<2.45E+0(	<2.07E+0(	<1.03E+0(	<1.24E+0(	<8.72E-01	<1.57E+0(
T-505		<2.31E+0(	<5.48E-01	<4.76E-01	<6.48E-01	<6.46E-01	<1.98E+0(	<3.43E-01	<2.07E+0(	<3.69E-01	<1.34E+0(	<4.21E-01	<2.07E+0(	<4.97E-01	<2.45E+0(	<2.07E+0(	<1.03E+0(	<1.21E+0(	<8.51E-01	<1.55E+0(
T-506		<2.23E+0(	<5.35E-01	<4.66E-01	<6.29E-01	<6.32E-01	<1.91E+0(	<3.44E-01	<1.99E+0(	<3.52E-01	<1.30E+0(	<4.02E-01	<1.99E+0(	<4.74E-01	<2.36E+0(	<1.99E+0(	<9.97E-01	<1.19E+0(	<8.32E-01	<1.50E+0(
T-507		5.95	<5.53E-01	<4.81E-01	<6.55E-01	<6.52E-01	<1.98E+0(	<3.47E-01	<2.06E+0(	<3.73E-01	<1.35E+0(	<4.25E-01	<2.06E+0(	<5.01E-01	<2.44E+0(	<2.06E+0(	<1.03E+0(	<1.22E+0(	<8.59E-01	<1.57E+0(
T-508		<2.24E+0(	<5.37E-01	2.08	4.21	<6.34E-01	<1.92E+0(	<3.45E-01	<2.00E+0(	<3.54E-01	<1.30E+0(	<4.04E-01	<2.00E+0(	<4.76E-01	<2.37E+0(	<2.00E+0(	<1.00E+0(	<1.19E+0(	<8.35E-01	<1.51E+0(
T-509		5.24	<5.97E-01	1.36	<7.06E-01	<7.04E-01	<2.15E+0(	<3.75E-01	<2.25E+0(	<4.01E-01	<1.46E+0(	<4.58E-01	<2.25E+0(	<5.40E-01	<2.66E+0(	<2.25E+0(	<1.12E+0(	<1.32E+0(	<9.27E-01	<1.69E+0(
T-510		33.44	<5.18E-01	<4.50E-01	1.29	<6.11E-01	<1.83E+0(	2.53	<1.91E+0(	<3.32E-01	<1.24E+0(	<3.79E-01	<1.91E+0(	<4.47E-01	<2.26E+0(	<1.91E+0(	<9.53E-01	<1.15E+0(	<8.05E-01	<1.44E+0(
T-511		<2.31E+0(	<5.50E-01	<4.78E-01	<6.56E-01	<6.48E-01	<1.98E+0(	<3.70E-01	<2.07E+0(	<3.62E-01	<1.35E+0(	<4.13E-01	<2.07E+0(	<4.86E-01	<2.45E+0(	<2.07E+0(	<1.04E+0(	<1.22E+0(	<8.54E-01	<1.57E+0(
T-512		7.00	<5.38E-01	<4.68E-01	<6.27E-01	<6.35E-01	<1.91E+0(	<3.38E-01	<1.98E+0(	<3.46E-01	<1.29E+0(	<3.95E-01	<1.98E+0(	<4.65E-01	<2.35E+0(	<1.98E+0(	<9.91E-01	<1.19E+0(	<8.36E-01	<1.50E+0(
T-513		5.90	<5.12E-01	<4.45E-01	1.62	<6.04E-01	<1.83E+0(	<3.38E-01	<1.91E+0(	<3.46E-01	<1.25E+0(	<3.95E-01	<1.91E+0(	<4.65E-01	<2.26E+0(	<1.91E+0(	<9.54E-01	<1.13E+0(	<7.96E-01	<1.45E+0(
T-514		<2.25E+0(	<5.34E-01	<4.65E-01	<6.38E-01	<6.30E-01	<1.93E+0(	<3.43E-01	<2.02E+0(	<3.52E-01	<1.32E+0(	<4.01E-01	<2.02E+0(	<4.73E-01	<2.39E+0(	<2.02E+0(	<1.01E+0(	<1.18E+0(	<8.30E-01	<1.53E+0(

Sample ID	Compound	Isopropyltoluene	Chloroethane	Acrolein	Chloromethane	Carbon disulfide	Ethanol	Tetrachloroethene (PCE)	1,3,5-Trimethylbenzene	Methylene chloride	Styrene	cis-1,2-Dichloroethene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	Decane	4-Ethyltoluene	2-propanol (isopropylalcohol)	Methyl iodide	2-Hexanone	Dichlorodifluoromethane
	CAS	99-87-6	75-00-3	107-02-8	74-87-3	75-15-0	64-17-5	127-18-4	108-67-8	75-09-2	100-42-5	156-59-2	95-63-6	540-84-1	124-18-5	622-96-8	67-63-0	4227-95-6	591-78-6	75-71-8
	MW	134.2	64.5	56.1	50.5	76.1	46.1	165.8	120.2	84.9	104.2	96.9	120.2	114.2	142.3	120.2	60.1	142.9	100.2	120.9
Flux (mg/m2-min)																				
T-101		<9.88E-05	<2.34E-05	<2.04E-05	<2.78E-05	<2.76E-05	<8.46E-05	<1.46E-05	<8.85E-05	<1.59E-05	<5.73E-05	<1.81E-05	<8.85E-05	<2.13E-05	<1.05E-04	<8.85E-05	<4.43E-05	<5.18E-05	<3.63E-05	<6.65E-05
T-102		<7.42E-05	<1.76E-05	<1.53E-05	<2.08E-05	<2.07E-05	<6.35E-05	<1.09E-05	<6.65E-05	<1.19E-05	<4.30E-05	<1.36E-05	<6.65E-05	<1.60E-05	<7.87E-05	<6.65E-05	<3.32E-05	<3.89E-05	<2.73E-05	<4.99E-05
T-103		<2.00E-04	<4.73E-05	<4.11E-05	<5.61E-05	<5.58E-05	<1.71E-04	<2.94E-05	<1.79E-04	<3.20E-05	<1.16E-04	<3.66E-05	<1.79E-04	<4.31E-05	<2.12E-04	<1.79E-04	<8.94E-05	<1.05E-04	<7.34E-05	<1.34E-04
T-104		<2.15E-04	<5.09E-05	<4.43E-05	<6.04E-05	<6.00E-05	<1.84E-04	<3.17E-05	<1.93E-04	<3.45E-05	<1.25E-04	<3.94E-05	<1.93E-04	<4.64E-05	<2.28E-04	<1.93E-04	<9.63E-05	<1.13E-04	<7.91E-05	<1.45E-04
T-105		<6.73E-05	<1.59E-05	<1.39E-05	<1.89E-05	<1.88E-05	<5.76E-05	<9.93E-06	<6.03E-05	<1.08E-05	<3.90E-05	<1.23E-05	<6.03E-05	<1.45E-05	<7.14E-05	<6.03E-05	<3.01E-05	<3.53E-05	<2.47E-05	<4.52E-05
T-106		<7.92E-05	<1.87E-05	<1.63E-05	<2.22E-05	<2.21E-05	<6.78E-05	<1.17E-05	<7.09E-05	<1.27E-05	<4.59E-05	<1.45E-05	<7.09E-05	<1.71E-05	<8.40E-05	<7.09E-05	<3.55E-05	<4.15E-05	<2.91E-05	<5.32E-05
T-107		<1.85E-04	<4.38E-05	<3.81E-05	<5.20E-05	<5.17E-05	<1.59E-04	<2.73E-05	<1.66E-04	<2.97E-05	<1.07E-04	<3.39E-05	<1.66E-04	<4.00E-05	<1.96E-04	<1.66E-04	<8.29E-05	<9.71E-05	<6.81E-05	<1.24E-04
T-108		<3.01E-04	<7.12E-05	<6.19E-05	<8.44E-05	<8.40E-05	<2.57E-04	<4.44E-05	<2.69E-04	<4.83E-05	<1.74E-04	<5.51E-05	<2.69E-04	<6.49E-05	<3.19E-04	<2.69E-04	<1.35E-04	<1.58E-04	<1.11E-04	<2.02E-04
T-109		<7.73E-05	<1.83E-05	<1.59E-05	0.000	<2.16E-05	0.000	<1.14E-05	<6.93E-05	<1.24E-05	<4.48E-05	<1.42E-05	<6.93E-05	<1.67E-05	<8.20E-05	<6.93E-05	<3.46E-05	<4.06E-05	<2.84E-05	<5.20E-05
T-110		<6.72E-05	<1.59E-05	<1.38E-05	<1.89E-05	<1.88E-05	<5.75E-05	<9.91E-06	<6.02E-05	<1.08E-05	<3.89E-05	<1.23E-05	<6.02E-05	<1.45E-05	<7.12E-05	<6.02E-05	<3.01E-05	<3.52E-05	<2.47E-05	<4.52E-05
T-111		<2.96E-04	<7.01E-05	<6.09E-05	<8.31E-05	<8.27E-05	<2.53E-04	<4.37E-05	<2.65E-04	<4.75E-05	<1.71E-04	<5.42E-05	<2.65E-04	<6.39E-05	<3.14E-04	<2.65E-04	<1.33E-04	<1.55E-04	<1.09E-04	<1.99E-04
T-112		<1.60E-04	<3.78E-05	<3.29E-05	<4.48E-05	<4.46E-05	<1.37E-04	<2.35E-05	<1.43E-04	<2.56E-05	<9.25E-05	<2.92E-05	<1.43E-04	<3.45E-05	<1.69E-04	<1.43E-04	<7.15E-05	<8.37E-05	<5.87E-05	<1.07E-04
T-113		<1.44E-04	<3.40E-05	<2.96E-05	<4.03E-05	<4.01E-05	<1.23E-04	<2.12E-05	<1.29E-04	<2.30E-05	<8.32E-05	<2.63E-05	<1.29E-04	<3.10E-05	<1.52E-04	<1.29E-04	<6.43E-05	<7.53E-05	<5.28E-05	<9.65E-05
T-114		<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05	<4.81E-05
T-201		<1.08E-04	<2.56E-05	<2.23E-05	<3.04E-05	<3.02E-05	0.000	<1.60E-05	<9.69E-05	<1.74E-05	<6.27E-05	<1.98E-05	<9.69E-05	<2.34E-05	<1.15E-04	<9.69E-05	<4.85E-05	<5.68E-05	<3.98E-05	<7.28E-05
T-202		<1.37E-04	<3.25E-05	<2.82E-05	<3.85E-05	<3.83E-05	0.001	<2.02E-05	<1.23E-04	<2.20E-05	<7.94E-05	<2.51E-05	<1.23E-04	<2.96E-05	<1.45E-04	<1.23E-04	<6.14E-05	<7.19E-05	<5.04E-05	<9.22E-05
T-203		<8.58E-05	<2.03E-05	<1.77E-05	<2.41E-05	<2.40E-05	0.000	<1.27E-05	<7.68E-05	<1.38E-05	<4.97E-05	<1.57E-05	<7.68E-05	<1.85E-05	<9.10E-05	<7.68E-05	<3.84E-05	<4.50E-05	<3.15E-05	<5.77E-05
T-204		<1.06E-04	<2.51E-05	<2.18E-05	<2.98E-05	<2.96E-05	<9.07E-05	<1.56E-05	<9.49E-05	<1.70E-05	<6.14E-05	<1.94E-05	<9.49E-05	<2.29E-05	<1.12E-04	<9.49E-05	<4.75E-05	<5.56E-05	<3.90E-05	<7.12E-05
T-205		<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	<1.00E-05	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05	<4.56E-05
T-206		<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	<1.00E-05	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05	<4.56E-05
T-207		<6.77E-05	<1.60E-05	<1.39E-05	<1.90E-05	<1.89E-05	<5.79E-05	<9.98E-06	<6.06E-05	<1.09E-05	<3.92E-05	<1.24E-05	<6.06E-05	<1.46E-05	<7.17E-05	<6.06E-05	<3.03E-05	<3.55E-05	<2.49E-05	<4.55E-05
T-208		<6.78E-05	<1.60E-05	<1.40E-05	<1.90E-05	<1.89E-05	<5.80E-05	<1.00E-05	<6.07E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.07E-05	<1.46E-05	<7.19E-05	<6.07E-05	<3.04E-05	<3.55E-05	<2.49E-05	<4.56E-05
T-209		<7.45E-05	<1.76E-05	0.000	<2.09E-05	<2.08E-05	<6.38E-05	<1.10E-05	<6.68E-05	<1.20E-05	<4.32E-05	<1.37E-05	<6.68E-05	<1.61E-05	<7.90E-05	<6.68E-05	<3.34E-05	<3.91E-05	<2.74E-05	<5.01E-05
T-210		<6.79E-05	<1.61E-05	<1.40E-05	<1.91E-05	<1.90E-05	<5.81E-05	0.000	<6.08E-05	<1.09E-05	<3.93E-05	<1.24E-05	<6.08E-05	<1.47E-05	<7.20E-05	<6.08E-05	<3.04E-05	<3.56E-05	<2.50E-05	<4.56E-05
T-211		<6.75E-05	<1.60E-05	<1.39E-05	<1.90E-05	<1.89E-05	<5.78E-05	<9.96E-06	<6.05E-05	<1.08E-05	<3.91E-05	<1.24E-05	<6.05E-05	<1.46E-05	<7.16E-05	<6.05E-05	<3.02E-05	<3.54E-05	<2.48E-05	<4.54E-05
T-212		<1.21E-04	<2.86E-05	<2.49E-05	<3.40E-05	0.000	<1.04E-04	<1.78E-05	<1.08E-04	<1.94E-05	<7.01E-05	<2.22E-05	<1.08E-04	<2.61E-05	<1.28E-04	<1.08E-04	<5.42E-05	<6.34E-05	<4.45E-05	<8.13E-05
T-213		<1.04E-04	<2.46E-05	<2.14E-05	<2.92E-05	0.000	<8.90E-05	<1.53E-05	<9.31E-05	<1.67E-05	<6.03E-05	<1.91E-05	<9.31E-05	<2.25E-05	<1.10E-04	<9.31E-05	<4.66E-05	<5.45E-05	<3.82E-05	<6.99E-05
T-214		<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05	<4.81E-05
T-301		<8.11E-05	<1.92E-05	<1.67E-05	<2.28E-05	<2.27E-05	<6.95E-05	<1.20E-05	<7.27E-05	<1.30E-05	<4.70E-05	<1.49E-05	<7.27E-05	<1.75E-05	<8.60E-05	<7.27E-05	<3.63E-05	<4.26E-05	<2.98E-05	<5.45E-05
T-302		<1.36E-04	<3.21E-05	<2.79E-05	<3.81E-05	<3.79E-05	<1.16E-04	<2.00E-05	<1.22E-04	<2.18E-05	<7.86E-05	<2.49E-05	<1.22E-04	<2.93E-05	<1.44E-04	<1.22E-04	<6.08E-05	<7.12E-05	<4.99E-05	<9.12E-05
T-303		<8.43E-05	<2.00E-05	0.000	0.000	<2.36E-05	<7.22E-05	<1.24E-05	<7.55E-05	<1.35E-05	<4.89E-05	<1.55E-05	<7.55E-05	<1.82E-05	<8.94E-05	<7.55E-05	<3.78E-05	<4.42E-05	<3.10E-05	<5.67E-05
T-304		<7.11E-05	<1.68E-05	<1.46E-05	0.001	0.000	<6.09E-05	<1.05E-05	<6.37E-05	0.000	<4.12E-05	<1.30E-05	<6.37E-05	<1.53E-05	<7.54E-05	<6.37E-05	<3.18E-05	<3.73E-05	<2.61E-05	<4.78E-05
T-305		<7.09E-05	<1.68E-05	0.000	<1.99E-05	<1.98E-05	<6.07E-05	<1.05E-05	<6.35E-05	<1.14E-05	<4.11E-05	<1.30E-05	<6.35E-05	<1.53E-05	<7.52E-05	<6.35E-05	<3.18E-05	<3.72E-05	<2.61E-05	<4.77E-05
T-306		<7.08E-05	<1.68E-05	0.000	<1.99E-05	<1.98E-05	<6.06E-05	<1.04E-05	<6.34E-05	<1.14E-05	<4.10E-05	<1.30E-05	<6.34E-05	<1.53E-05	<7.51E-05	<6.34E-05	<3.17E-05	<3.71E-05	<2.60E-05	<4.76E-05
T-307		<7.05E-05	<1.67E-05	0.000	<1.98E-05	<1.97E-05	<6.04E-05	<1.04E-05	<6.32E-05	<1.13E-05	<4.09E-05	<1.29E-05	<6.32E-05	<1.52E-05	<7.48E-05	<6.32E-05	<3.16E-05	<3.70E-05	<2.59E-05	<4.74E-05
T-308		0.000	<1.80E-05	<1.57E-05	<2.14E-05	<2.13E-05	<6.53E-05	<1.12E-05	0.000	<1.22E-05	<4.42E-05	<1.40E-05	<6.83E-05	<1.65E-05	<8.08E-05	<6.83E-05	<3.41E-05	<4.00E-05	<2.80E-05	<5.13E-05
T-309		<1.98E-04	<4.68E-05	<4.07E-05	<5.55E-05	<5.52E-05	<1.69E-04	<2.91E-05	<1.77E-04	<3.17E-05	<1.14E-04	<3.62E-05	<1.77E-04	<4.27E-05	<2.09E-04	<1.77E-04	<8.85E-05	<1.04E-04	<7.27E-05	<1.33E-04
T-310		<1.02E-04	<2.41E-05	<2.10E-05	<2.86E-05	<2.85E-05	<8.73E-05	<1.50E-05	<9.13E-05	<1.64E-05	<5.91E-05	<1.87E-05	<9.13E-05	<2.20E-05	<1.08E-04	<9.13E-05	<4.57E-05	<5.35E-05	<3.75E-05	<6.86E-05
T-311		<1.40E-04	<3.31E-05	<2.88E-05	<3.93E-05	<3.91E-05	<1.20E-04	<2.06E-05	<1.25E-04	<2.25E-05	<8.11E-05	<2.56E-05	<1.25E-04	<3.02E-05	<1.48E-04	<1.25E-04	<6.26E-05	<7.34E-05	<5.14E-05	<9.40E-05
T-312		0.003	<2.18E-05	<1.89E-05	<2.58E-05	<2.57E-05	<7.87E-05	0.000	0.001	<1.48E-05	<5.33E-05	<1.68E-05	<8.23E-05	<1.98E-05	<9.75E-05	<8.23E-05	<4.12E-05	<4.82E-05	<3.38E-05	<6.18E-05
T-313		0.002	<1.86E-05	<1.62E-05	<2.21E-05	<2.19E-05	<6.72E-05	0.000	0.001	<1.26E-05	<4.55E-05	<1.44E-05	0.001	<1.70E-05	<8.33E-05	<7.03E-05	<3.52E-05	<4.12E-05	<2.89E-05	<5.28E-05
T-314		<7.16E-05	<1.70E-05	<1.47E-05	<2.01E-05	<2.00E-05	<6.13E-05	<1.06E-05	<6.41E-05	<1.15E-05	<4.15E-05	<1.31E-05	<6.41E-05	<1.55E-05	<7.59E-05	<6.41E-05	<3.21E-05	<3.76E-05	<2.63E-05	<4.81E-05
T-401		<8.56E-05	<2.08E-05	<1.81E-05	0.000	<2.46E-05	<7.37E-05	<1.34E-05	<7.66E-05	<1.37E-05	<5.05E-05	<1.56E-05	<7.66E-05	<1.84E-05	<9.07E-05	<7.66E-05	<3.83E-05	<4.61E-05	<3.23E-05	<5.85E-05
T-402		<1.14E-04	<2.78E-05	<2.42E-05	<3.27E-05	<3.28E-05	<9.84E-05	<1.79E-05	<1.02E-04	<1.83E-05	<6.74E-05	<2.09E-05	<1.02E-04	<2.46E-05	<1.21E-04	<1.02E-04	<5.12E-05	<6.16E-05	<4.32E-05	<7.82E-05
T-403		<2.10E-04	<5.12E-05	<4.45E-05	<6.01E-05	<6.04E-05	<1.81E-04	<3.29E-05	<1.88E-04	<3.37E-05	<1.24E-04	<3.85E-05	<1.88E-04	0.002	<2.23E-04	<1.88E-04	<9.42E-05	<1.13E-04	<7.95E-05	<1.44E-04
T-404		<1.09E-04	<2.59E-05	<2.25E-05	<3.07E-05	<3.06E-05	<9.36E-05	<1.71E-05	<9.79E-05	<1.75E-05	<6.34E-05	<2.00E-05	<9.79E-05	<2.35E-05	<1.16E-04	<9.79E-05	<4.89E-05	<5.74E-05	<4.03E-05	<7.35E-05
T-405		<1.08E-04	<2.56E-05	0.000	0.000	<3.02E-05	<9.24E-05	<1.69E-05	<9.66E-05	<1.73E-05	<6.26E-05	<1.97E-05	<9.66E-05	<2.32E-05	<1.14E-04	<9.66E-05	<4.83E-05	<5.67E-05	0.000	<7.26E-05
T-406		<1.10E-04	<2.65E-05	0.000	<3.12E-05	<3.13E-05	<9.48E-05	<1.71E-05	<9.89E-05	<1.75E-05	<6.43E-05	<1.99E-05	<9.89E-05	<2.35E-05	<1.17E-04	<9.89E-05	<4.94E-05	<5.88E-05	<4.12E-05	<7.46E-05
T-407		0.000	<4.20E-05	0.000	0.000	<4.95E-05	<1.50E-04	<2.63E-05	<1.57E-04	<2.83E-05	<1.03E-04	<3.23E-05	<1.57E-04	<3.81E-05	<1.85E-04	<1.57E-04	<7.83E-05	<9.30E-05	<6.52E-05	<1.19E-04
T-408		<8.54E-05	<2.08E-05	0.000	0.000	0.000	<7.36E-05	<1.30E-05	<7.65E-05	<1.33E-05	<5.00E-05	<1.52E-05	<7.65E-05	0.000	<9.06E-05	<7.65E-05	<3.83E-05	<4.61E-05	<3.23E-05	<5.80E-05
T-409		<1.04E-04	<2.48E-05	0.000	0.000	<2.92E-05	<8.93E-05	<1.55E-05	<9.34E-05	<1.67E-05	<6.05E-05	<1.91E-05	<9.34E-05	<2.25E-05	<1.11E-04	<9.34E-05	<4.67E-05	<5.49E-05	<3.85E-05	<7.02E-05
T-410		<1.28E-04	<3.08E-05	0.000	0.000	0.001	<1.10E-04	<1.93E-05	<1.15E-04	<2.08E-05	<7.53E-05	<2.37E-05	<1.15E-04	<2.80E-05	<1.36E-04	<1.15E-04	<5.75E-05	<6.83E-05	<4.79E-05	<8.74E-05
T-411		<1.64E-04	<3.94E-05	<3.42E-05	<4.66E-05	<4.65E-05	<1.41E-04	0.001	<1.47E-04	<2.65E-05	<9.62E-05	<3.03E-05	<1.47E-04	<3.57E-05	<1.74E-04	<1.47E-04	<7.34E-05	<8.72E-05	<6.12E-05	<1.12E-04
T-412		0.000	0.002	<1.72E-05	0.000	0.000	<7.01E-05	0.001	<7.29E-05	0.000	0.000	0.000	<7.29E-05	<1.75E-05	<8.63E-05	0.000	<3.64E-05	0.000	<3.08E-05	<5.57E-05
T-413		0.001	0.002	<1.89E-05	0.000	0.001	<7.78E-05	0.001	<8.12E-05	0.000	0.001	0.001	0.000	<1.93E-05	0.001	0.001	<4.06E-05	0.000	<3.38E-05	<6.12E-05
T-414		<8.23E-05	<2.00E-05	<1.74E-05	<2.33E-05	<2.36E-05	<7.09E-05	<1.32E-05	<7.37E-05	<1.28E-05	<4.81E-05	<1.47E-05	<7.37E-05	<1.73E-05	<8.73E-05	<7.37E-05	<3.69E-05	<4.44E-05	<3.11E-05	<5.58E-05
T-501		<5.79E-04	<1.41E-04	0.000	<1.66E-04	<1.66E-04	<4.99E-04	<9.06E-05	<5.19E-04	<9.28E-05	<3.42E-04	<1.06E-04	<5.19E-04	<1.25E-04	<6.14E-04	<5.19E-04	<2.59E-04	<3.12E-04	<2.19E-04	<3.96E-04
T-502		<1.69E-04	<4.02E-05	<3.49E-05	<4.76E-05	<4.74E-05	<1.45E-04	0.001	<1.52E-04	<2.71E-05	<9.82E-05	<3.09E-05	<1.52E-04	<3.65E-05	<1.80E-04	<1.52E-04	0.001	<8.90E-05	<6.24E-05	<1.14E-04
T-503		<3.37E-04	<8.10E-05	<7.04E-05	<9.51E-05	<9.55E-05	<2.89E-04	0.000	<3.02E-04	<5.33E-05	<1.96E-04	<6.08E-05	<3.02E-04	<7.17E-05	<3.57E-04	<3.02E-04	<1.51E-04	<1.79E-04	<1.26E-04	<2.28E-04
T-504		<1.81E-04	<4.42E-05	<3.84E-05	<5.14E-05	<5.21E-05	<1.56E-04	<2.77E-05	<1.63E-04	<2.83E-05	<1.06E-04	<3.24E-05	<1.63E-04	<3.81E-05	<1.92E-04	<1.63E-04	<8.13E-05	<9.78E-05	<6.86E-05	<1.23E-04
T-505		<1.24E-04	<2.94E-05	<2.55E-05	<3.48E-05	<3.46E-05	<1.06E-04	<1.84E-05	<1.11E-04	<1.98E-05	<7.17E-05	<2.26E-05	<1.11E-04	<2.66E-05	<1.31E-04	<1.11E-04	<5.54E-05	<6.50E-05	<4.56E-05	<8.32E-05
T-506		<1.07E-04	<2.58E-05	<2.25E-05	<3.03E-05	<3.05E-05	<9.23E-05	<1.66E-05	<9.62E-05	<1.70E-05	<6.26E-05	<1.94E-05	<9.62E-05	<2.29E-05	<1.14E-04	<9.62E-05	<4.81E-05	<5.72E-05	<4.01E-05	<7.26E-05
T-507		0.000	<2.13E-05	<1.85E-05	<2.52E-05	<2.51E-05	<7.60E-05	<1.33E-05	<7.92E-05	<1.43E-05	<5.19E-05	<1.64E-05	<7.92E-05	<1.93E-05	<9.38E-05	<7.92E-05	<3.96E-05	<4.71E-05	<3.30E-05	<6.03E-05
T-508		<1.18E-04	<2.85E-05	0.000	0.000	<3.36E-05	<1.02E-04	<1.83E-05	<1.06E-04	<1.87E-05	<6.90E-05	<2.14E-05	<1.06E-04	<2.52E-05	<1.26E-04	<1.06E-04	<5.31E-05	<6.31E-05	<4.42E-05	<8.01E-05
T-509		0.000	<2.29E-05	0.000	<2.71E-05	<2.71E-05	<8.27E-05	<1.44E-05	<8.65E-05	<1.54E-05	<5.60E-05	<1.76E-05	<8.65E-05	<2.08E-05	<1.02E-04	<8.65E-05	<4.32E-05	<5.08E-05	<3.56E-05	<6.50E-05
T-510		0.002	<2.39E-05	<2.08E-05	0.000	<2.83E-05	<8.47E-05	0.000	<8.81E-05	<1.54E-05	<5.75E-05	<1.75E-05	<8.81E-05	<2.07E-05	<1.04E-04	<8.81E-05	<4.41E-05	<5.31E-05	<3.72E-05	<6.68E-05
T-511		<9.07E-05	<2.15E-05	<1.87E-05	<2.57E-05	<2.54E-05	<7.77E-05	<1.45E-05	<8.12E-05	<1.42E-05	<5.30E-05	<1.62E-05	<8.12E-05	<1.91E-05	<9.61E-05	<8.12E-05	<4.06E-05	<4.77E-05	<3.34E-05	<6.15E-05
T-512		0.001	<6.51E-05	<5.66E-05	<7.58E-05	<7.68E-05	<2.30E-04	<4.08E-05	<2.40E-04	<4.18E-05	<1.56E-04	<4.77E-05	<2.40E-04	<5.62E-05	<2.84E-04	<2.40E-04	<1.20E-04	<1.44E-04	<1.01E-04	<1.81E-04
T-513		0.001	<5.85E-05	<5.09E-05	0.000	<6.91E-05	<2.09E-04	<3.86E-05	<2.18E-04	<3.95E-05	<1.43E-04	<4.51E-05	<2.18E-04	<5.31E-05	<2.58E-04	<2.18E-04	<1.09E-04	<1.30E-04	<9.09E-05	<1.66E-04
T-514		<8.66E-05	<2.05E-05	<1.79E-05	<2.45E-05	<2.42E-05	<7.42E-05	<1.32E-05	<7.75E-05	<1.35E-05	<5.06E-05	<1.54E-05	<7.75E-05	<1.82E-05	<9.18E-05	<7.75E-05	<3.88E-05	<4.55E-05	<3.19E-05	<5.87E-05

Sample ID / Compound	1,2-Dichlorotetrafluoroethane	Vinyl chloride	1,3-Butadiene	Bromomethane	Trichlorofluoromethane	t-Butyl alcohol	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Ethyl acetate
CAS	76-14-2	75-01-4	106-99-0	74-83-9	75-69-4	75-65-0	75-35-4	107-13-1	76-13-1	107-05-1	156-60-5	1634-04-4	107-12-0	75-34-3	637-92-3	108-05-4	108-20-3	126-98-7	141-78-6
MW	170.9	62.5	54.1	94.9	137.4	74.1	96.9	53.1	187.4	76.5	96.9	88.1	55.1	99	102.2	86.1	102.2	67.1	88.1
Lab Data (ppbv)																			
T-101	ND	ND	ND	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	ND	ND	ND
T-103	ND	ND	ND	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	ND	ND	ND
T-105	ND	ND	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	ND	ND
T-107	ND	ND	ND	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	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	ND	ND	ND	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	ND	ND	ND
T-113	ND	ND	ND	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	ND	ND	ND
T-201	ND	ND	ND	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	ND	ND	ND
T-203	ND	ND	ND	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	ND	ND	ND
T-205	ND	ND	ND	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	ND	ND	ND
T-207	ND	ND	ND	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	ND	ND	ND
T-209	ND	ND	ND	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	ND	ND	ND
T-211	ND	ND	ND	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	ND	ND	ND
T-213	ND	ND	ND	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	ND	ND	ND
T-301	ND	ND	ND	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	ND	ND	ND
T-303	ND	ND	ND	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	ND	ND	ND
T-305	ND	ND	ND	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	ND	ND	ND
T-307	ND	ND	ND	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	ND	ND	ND
T-309	ND	ND	ND	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	ND	ND	ND
T-311	ND	ND	ND	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	ND	ND	ND
T-313	ND	ND	ND	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	ND	ND	ND
T-401	ND	ND	ND	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	ND	ND	ND
T-403	ND	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	ND
T-405	ND	ND	ND	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	ND	ND	ND
T-407	ND	ND	ND	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	ND	ND	ND
T-409	ND	ND	ND	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	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	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	ND
T-502	ND	ND	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	ND	ND
T-504	ND	ND	ND	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	ND
T-506	ND	ND	ND	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	ND	ND	ND
T-508	ND	ND	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	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	1,2-Dichlorotetrafluoroethane	Vinyl chloride	1,3-Butadiene	Bromomethane	Trichlorofluoromethane	t-Butyl alcohol	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Ethyl acetate
CAS	76-14-2	75-01-4	106-99-0	74-83-9	75-69-4	75-65-0	75-35-4	107-13-1	76-13-1	107-05-1	156-60-5	1634-04-4	107-12-0	75-34-3	637-92-3	108-05-4	108-20-3	126-98-7	141-78-6
MW	170.9	62.5	54.1	94.9	137.4	74.1	96.9	53.1	187.4	76.5	96.9	88.1	55.1	99	102.2	86.1	102.2	67.1	88.1
MDL (ppbv)																			
T-101	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-102	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-103	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-104	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-105	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-106	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-107	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-108	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-109	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-110	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-111	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-112	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-113	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-114	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-201	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-202	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-203	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-204	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-205	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-206	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-207	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-208	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-209	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-210	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-211	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-212	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-213	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-214	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-301	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-302	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-303	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-304	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-305	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-306	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-307	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-308	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-309	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-310	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-311	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-312	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-313	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-314	0.33	0.17	0.17	0.33	0.33	0.33	0.17	0.67	0.17	0.17	0.17	0.33	0.83	0.17	0.33	0.17	0.33	0.33	0.33
T-401	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.79	0.2	0.2	0.2	0.4	0.99	0.2	0.4	0.2	0.4	0.4	0.4
T-402	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.79	0.2	0.2	0.2	0.4	0.99	0.2	0.4	0.2	0.4	0.4	0.4
T-403	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.79	0.2	0.2	0.2	0.4	0.99	0.2	0.4	0.2	0.4	0.4	0.4
T-404	0.39	0.2	0.2	0.39	0.39	0.39	0.2	0.79	0.2	0.2	0.2	0.39	0.98	0.2	0.39	0.2	0.39	0.39	0.39
T-405	0.39	0.2	0.2	0.39	0.39	0.39	0.2	0.79	0.2	0.2	0.2	0.39	0.98	0.2	0.39	0.2	0.39	0.39	0.39
T-406	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.4	1	0.2	0.4	0.2	0.4	0.4	0.4
T-407	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.82	0.21	0.21	0.21	0.41	1.03	0.2	0.41	0.21	0.41	0.41	0.41
T-408	0.41	0.2	0.2	0.41	0.41	0.41	0.2	0.81	0.2	0.2	0.2	0.41	1.02	0.2	0.41	0.2	0.41	0.41	0.41
T-409	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.83	0.21	0.21	0.21	0.41	1.03	0.21	0.41	0.21	0.41	0.41	0.41
T-410	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.82	0.21	0.21	0.21	0.41	1.03	0.2	0.41	0.21	0.41	0.41	0.41
T-411	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.82	0.21	0.21	0.21	0.41	1.03	0.2	0.41	0.21	0.41	0.41	0.41
T-412	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.79	0.2	0.2	0.2	0.4	0.99	0.2	0.4	0.2	0.4	0.4	0.4
T-413	0.44	0.22	0.22	0.44	0.44	0.44	0.22	0.88	0.22	0.22	0.22	0.44	1.1	0.22	0.44	0.22	0.44	0.44	0.44
T-414	0.39	0.19	0.19	0.39	0.39	0.39	0.19	0.77	0.19	0.19	0.19	0.39	0.97	0.19	0.39	0.19	0.39	0.39	0.39
T-501	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.79	0.2	0.2	0.2	0.4	0.99	0.2	0.4	0.2	0.4	0.4	0.4
T-502	0.39	0.2	0.2	0.39	0.39	0.39	0.2	0.79	0.2	0.2	0.2	0.39	0.98	0.2	0.39	0.2	0.39	0.39	0.39
T-503	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.4	1	0.2	0.4	0.2	0.4	0.4	0.4
T-504	0.41	0.2	0.2	0.41	0.41	0.41	0.2	0.81	0.2	0.2	0.2	0.41	1.02	0.2	0.41	0.2	0.41	0.41	0.41
T-505	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.83	0.21	0.21	0.21	0.41	1.03	0.21	0.41	0.21	0.41	0.41	0.41
T-506	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.4	1	0.2	0.4	0.2	0.4	0.4	0.4
T-507	0.41	0.21	0.21	0.41	0.41	0.41	0.21	0.82	0.21	0.21	0.21	0.41	1.03	0.2	0.41	0.21	0.41	0.41	0.41
T-508	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.4	1	0.2	0.4	0.2	0.4	0.4	0.4
T-509	0.45	0.23	0.23	0.45	0.45	0.45	0.23	0.91	0.23	0.23	0.23	0.45	1.13	0.23	0.45	0.23	0.45	0.45	0.45
T-510	0.39	0.19	0.19	0.39	0.39	0.39	0.19	0.77	0.19	0.19	0.19	0.39	0.97	0.19	0.39	0.19	0.39	0.39	0.39
T-511	0.42	0.21	0.21	0.42	0.42	0.42	0.21	0.85	0.21	0.21	0.21	0.42	1.06	0.21	0.42	0.21	0.42	0.42	0.42
T-512	0.41	0.2	0.2	0.41	0.41	0.41	0.2	0.81	0.2	0.2	0.2	0.41	1.02	0.2	0.41	0.2	0.41	0.41	0.41
T-513	0.39	0.2	0.2	0.39	0.39	0.39	0.2	0.78	0.2	0.2	0.2	0.39	0.98	0.19	0.39	0.2	0.39	0.39	0.39
T-514	0.4	0.2	0.2	0.4	0.4	0.4	0.2	0.81	0.2	0.2	0.2	0.4	1.01	0.2	0.4	0.2	0.4	0.4	0.4

Sample ID	Compound	1,2-Dichlorotetrafluoroethane	Vinyl chloride	1,3-Butadiene	Bromomethane	Trichlorofluoromethane	t-Butyl alcohol	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Ethyl acetate
	CAS	76-14-2	75-01-4	106-99-0	74-83-9	75-69-4	75-65-0	75-35-4	107-13-1	76-13-1	107-05-1	156-60-5	1634-04-4	107-12-0	75-34-3	637-92-3	108-05-4	108-20-3	126-98-7	141-78-6
	MW	170.9	62.5	54.1	94.9	137.4	74.1	96.9	53.1	187.4	76.5	96.9	88.1	55.1	99	102.2	86.1	102.2	67.1	88.1
Data Used (ug/m3)																				
T-101		<1.09E+0(	<2.05E-01	<1.77E-01	<6.03E-01	<8.73E-01	<4.71E-01	<3.17E-01	<6.85E-01	<6.13E-01	<2.50E-01	<3.17E-01	<5.60E-01	<8.81E-01	<3.24E-01	<6.49E-01	<2.82E-01	<6.49E-01	<4.26E-01	<5.60E-01
T-102		<1.09E+0(	<2.06E-01	<1.78E-01	<6.06E-01	<8.78E-01	<4.73E-01	<3.19E-01	<6.89E-01	<6.17E-01	<2.52E-01	<3.19E-01	<5.63E-01	<8.85E-01	<3.26E-01	<6.53E-01	<2.83E-01	<6.53E-01	<4.29E-01	<5.63E-01
T-103		<1.07E+0(	<2.02E-01	<1.75E-01	<5.97E-01	<8.64E-01	<4.66E-01	<3.14E-01	<6.78E-01	<6.07E-01	<2.48E-01	<3.14E-01	<5.54E-01	<8.71E-01	<3.21E-01	<6.43E-01	<2.79E-01	<6.43E-01	<4.22E-01	<5.54E-01
T-104		<1.08E+0(	<2.03E-01	<1.76E-01	<5.98E-01	<8.65E-01	<4.67E-01	<3.14E-01	<6.79E-01	<6.08E-01	<2.48E-01	<3.14E-01	<5.55E-01	<8.73E-01	<3.21E-01	<6.44E-01	<2.79E-01	<6.44E-01	<4.23E-01	<5.55E-01
T-105		<1.10E+0(	<2.07E-01	<1.79E-01	<6.09E-01	<8.82E-01	<4.76E-01	<3.21E-01	<6.92E-01	<6.20E-01	<2.53E-01	<3.21E-01	<5.66E-01	<8.90E-01	<3.27E-01	<6.56E-01	<2.85E-01	<6.56E-01	<4.31E-01	<5.66E-01
T-106		<1.09E+0(	<2.06E-01	<1.78E-01	<6.06E-01	<8.78E-01	<4.73E-01	<3.19E-01	<6.89E-01	<6.17E-01	<2.52E-01	<3.19E-01	<5.63E-01	<8.85E-01	<3.26E-01	<6.53E-01	<2.83E-01	<6.53E-01	<4.29E-01	<5.63E-01
T-107		<1.09E+0(	<2.06E-01	<1.78E-01	<6.06E-01	<8.78E-01	<4.73E-01	<3.19E-01	<6.89E-01	<6.17E-01	<2.52E-01	<3.19E-01	<5.63E-01	<8.85E-01	<3.26E-01	<6.53E-01	<2.83E-01	<6.53E-01	<4.29E-01	<5.63E-01
T-108		<1.10E+0(	<2.07E-01	<1.80E-01	<6.12E-01	<8.85E-01	<4.78E-01	<3.22E-01	<6.95E-01	<6.22E-01	<2.54E-01	<3.22E-01	<5.68E-01	<8.93E-01	<3.29E-01	<6.59E-01	<2.86E-01	<6.59E-01	<4.32E-01	<5.68E-01
T-109		<1.11E+0(	<2.08E-01	<1.80E-01	<6.14E-01	<8.89E-01	<4.79E-01	<3.23E-01	<6.97E-01	<6.24E-01	<2.55E-01	<3.23E-01	<5.70E-01	<8.96E-01	<3.30E-01	<6.61E-01	<2.87E-01	<6.61E-01	<4.34E-01	<5.70E-01
T-110		<1.10E+0(	<2.06E-01	<1.79E-01	<6.08E-01	<8.81E-01	<4.75E-01	<3.20E-01	<6.91E-01	<6.19E-01	<2.53E-01	<3.20E-01	<5.65E-01	<8.88E-01	<3.27E-01	<6.55E-01	<2.84E-01	<6.55E-01	<4.30E-01	<5.65E-01
T-111		<1.09E+0(	<2.06E-01	<1.78E-01	<6.07E-01	<8.79E-01	<4.74E-01	<3.19E-01	<6.90E-01	<6.18E-01	<2.52E-01	<3.19E-01	<5.64E-01	<8.87E-01	<3.26E-01	<6.54E-01	<2.84E-01	<6.54E-01	<4.29E-01	<5.64E-01
T-112		<1.09E+0(	<2.05E-01	<1.78E-01	<6.05E-01	<8.76E-01	<4.72E-01	<3.18E-01	<6.87E-01	<6.16E-01	<2.51E-01	<3.18E-01	<5.62E-01	<8.84E-01	<3.25E-01	<6.52E-01	<2.83E-01	<6.52E-01	<4.28E-01	<5.62E-01
T-113		<1.09E+0(	<2.05E-01	<1.78E-01	<6.05E-01	<8.76E-01	<4.72E-01	<3.18E-01	<6.87E-01	<6.16E-01	<2.51E-01	<3.18E-01	<5.62E-01	<8.84E-01	<3.25E-01	<6.52E-01	<2.83E-01	<6.52E-01	<4.28E-01	<5.62E-01
T-114		<1.17E+0(	<2.20E-01	<1.90E-01	<6.48E-01	<9.39E-01	<5.06E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<6.02E-01
T-201		<1.12E+0(	<2.11E-01	<1.83E-01	<6.21E-01	<9.00E-01	<4.85E-01	<3.27E-01	<7.06E-01	<6.32E-01	<2.58E-01	<3.27E-01	<5.77E-01	<9.08E-01	<3.34E-01	<6.69E-01	<2.90E-01	<6.69E-01	<4.39E-01	<5.77E-01
T-202		<1.14E+0(	<2.14E-01	<1.86E-01	<6.32E-01	<9.15E-01	<4.93E-01	<3.32E-01	<7.18E-01	<6.43E-01	<2.62E-01	<3.32E-01	<5.87E-01	<9.23E-01	<3.40E-01	<6.80E-01	<2.95E-01	<6.80E-01	<4.47E-01	<5.87E-01
T-203		<1.13E+0(	<2.13E-01	<1.84E-01	<6.27E-01	<9.08E-01	<4.90E-01	<3.30E-01	<7.12E-01	<6.38E-01	<2.60E-01	<3.30E-01	<5.82E-01	<9.16E-01	<3.37E-01	<6.75E-01	<2.93E-01	<6.75E-01	<4.43E-01	<5.82E-01
T-204		<1.13E+0(	<2.12E-01	<1.84E-01	<6.26E-01	<9.06E-01	<4.89E-01	<3.29E-01	<7.11E-01	<6.37E-01	<2.60E-01	<3.29E-01	<5.81E-01	<9.14E-01	<3.36E-01	<6.74E-01	<2.93E-01	<6.74E-01	<4.43E-01	<5.81E-01
T-205		<1.10E+0(	<2.08E-01	<1.80E-01	<6.13E-01	<8.87E-01	<4.78E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<5.69E-01
T-206		<1.11E+0(	<2.09E-01	<1.81E-01	<6.15E-01	<8.90E-01	<4.80E-01	<3.23E-01	<6.98E-01	<6.25E-01	<2.55E-01	<3.23E-01	<5.71E-01	<8.98E-01	<3.30E-01	<6.62E-01	<2.87E-01	<6.62E-01	<4.35E-01	<5.71E-01
T-207		<1.10E+0(	<2.08E-01	<1.80E-01	<6.13E-01	<8.87E-01	<4.78E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01	<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<5.69E-01
T-208		<1.11E+0(	<2.08E-01	<1.80E-01	<6.14E-01	<8.89E-01	<4.79E-01	<3.23E-01	<6.97E-01	<6.24E-01	<2.55E-01	<3.23E-01	<5.70E-01	<8.96E-01	<3.30E-01	<6.61E-01	<2.87E-01	<6.61E-01	<4.34E-01	<5.70E-01
T-209		<1.10E+0(	<2.07E-01	<1.80E-01	<6.12E-01	<8.85E-01	<4.78E-01	<3.22E-01	<6.95E-01	<6.22E-01	<2.54E-01	<3.22E-01	<5.68E-01	<8.93E-01	<3.29E-01	<6.59E-01	<2.86E-01	<6.59E-01	<4.32E-01	<5.68E-01
T-210		<1.11E+0(	<2.09E-01	<1.81E-01	<6.15E-01	<8.90E-01	<4.80E-01	<3.23E-01	<6.98E-01	<6.25E-01	<2.55E-01	<3.23E-01	<5.71E-01	<8.98E-01	<3.30E-01	<6.62E-01	<2.87E-01	<6.62E-01	<4.35E-01	<5.71E-01
T-211		<1.10E+0(	<2.07E-01	<1.80E-01	<6.12E-01	<8.85E-01	<4.78E-01	<3.22E-01	<6.95E-01	<6.22E-01	<2.54E-01	<3.22E-01	<5.68E-01	<8.93E-01	<3.29E-01	<6.59E-01	<2.86E-01	<6.59E-01	<4.32E-01	<5.68E-01
T-212		<1.11E+0(	<2.08E-01	<1.80E-01	<6.14E-01	<8.89E-01	<4.79E-01	<3.23E-01	<6.97E-01	<6.24E-01	<2.55E-01	<3.23E-01	<5.70E-01	<8.96E-01	<3.30E-01	<6.61E-01	<2.87E-01	<6.61E-01	<4.34E-01	<5.70E-01
T-213		<1.11E+0(	<2.08E-01	<1.80E-01	<6.14E-01	<8.89E-01	<4.79E-01	<3.23E-01	<6.97E-01	<6.24E-01	<2.55E-01	<3.23E-01	<5.70E-01	<8.96E-01	<3.30E-01	<6.61E-01	<2.87E-01	<6.61E-01	<4.34E-01	<5.70E-01
T-214		<1.17E+0(	<2.20E-01	<1.90E-01	<6.48E-01	<9.39E-01	<5.06E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<6.02E-01
T-301		<1.17E+0(	<2.20E-01	<1.90E-01	<6.47E-01	<9.37E-01	<5.05E-01	<3.40E-01	<7.35E-01	<6.58E-01	<2.69E-01	<3.40E-01	<6.01E-01	<9.45E-01	<3.48E-01	<6.97E-01	<3.03E-01	<6.97E-01	<4.58E-01	<6.01E-01
T-302		<1.17E+0(	<2.20E-01	<1.91E-01	<6.50E-01	<9.41E-01	<5.07E-01	<3.42E-01	<7.38E-01	<6.61E-01	<2.70E-01	<3.42E-01	<6.03E-01	<9.49E-01	<3.49E-01	<7.00E-01	<3.04E-01	<7.00E-01	<4.59E-01	<6.03E-01
T-303		<1.16E+0(	<2.19E-01	<1.89E-01	<6.45E-01	<9.34E-01	<5.03E-01	<3.39E-01	<7.33E-01	<6.56E-01	<2.68E-01	<3.39E-01	<5.99E-01	<9.42E-01	<3.47E-01	<6.94E-01	<3.01E-01	<6.94E-01	<4.56E-01	<5.99E-01
T-304		<1.16E+0(	<2.18E-01	<1.89E-01	<6.44E-01	<9.32E-01	<5.03E-01	<3.39E-01	<7.31E-01	<6.55E-01	<2.67E-01	<3.39E-01	<5.98E-01	<9.40E-01	<3.46E-01	<6.93E-01	<3.01E-01	<6.93E-01	<4.55E-01	<5.98E-01
T-305		<1.16E+0(	<2.18E-01	<1.89E-01	<6.42E-01	<9.30E-01	<5.02E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01	<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<5.96E-01
T-306		<1.15E+0(	<2.18E-01	<1.88E-01	<6.41E-01	<9.28E-01	<5.01E-01	<3.37E-01	<7.28E-01	<6.52E-01	<2.66E-01	<3.37E-01	<5.95E-01	<9.36E-01	<3.45E-01	<6.91E-01	<3.00E-01	<6.91E-01	<4.53E-01	<5.95E-01
T-307		<1.15E+0(	<2.17E-01	<1.88E-01	<6.39E-01	<9.25E-01	<4.99E-01	<3.36E-01	<7.26E-01	<6.50E-01	<2.65E-01	<3.36E-01	<5.93E-01	<9.33E-01	<3.43E-01	<6.88E-01	<2.99E-01	<6.88E-01	<4.52E-01	<5.93E-01
T-308		<1.15E+0(	<2.17E-01	<1.88E-01	<6.40E-01	<9.27E-01	<5.00E-01	<3.37E-01	<7.27E-01	<6.51E-01	<2.66E-01	<3.37E-01	<5.94E-01	<9.35E-01	<3.44E-01	<6.89E-01	<2.99E-01	<6.89E-01	<4.53E-01	<5.94E-01
T-309		<1.17E+0(	<2.20E-01	<1.90E-01	<6.48E-01	<9.39E-01	<5.06E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<6.02E-01
T-310		<1.17E+0(	<2.20E-01	<1.91E-01	<6.50E-01	<9.41E-01	<5.07E-01	<3.42E-01	<7.38E-01	<6.61E-01	<2.70E-01	<3.42E-01	<6.03E-01	<9.49E-01	<3.49E-01	<7.00E-01	<3.04E-01	<7.00E-01	<4.59E-01	<6.03E-01
T-311		<1.16E+0(	<2.19E-01	<1.89E-01	<6.45E-01	<9.34E-01	<5.03E-01	<3.39E-01	<7.33E-01	<6.56E-01	<2.68E-01	<3.39E-01	<5.99E-01	<9.42E-01	<3.47E-01	<6.94E-01	<3.01E-01	<6.94E-01	<4.56E-01	<5.99E-01
T-312		<1.15E+0(	<2.17E-01	<1.88E-01	<6.39E-01	<9.25E-01	<4.99E-01	<3.36E-01	<7.26E-01	<6.50E-01	<2.65E-01	<3.36E-01	<5.93E-01	<9.33E-01	<3.43E-01	<6.88E-01	<2.99E-01	<6.88E-01	<4.52E-01	<5.93E-01
T-313		<1.15E+0(	<2.17E-01	<1.88E-01	<6.39E-01	<9.25E-01	<4.99E-01	<3.36E-01	<7.26E-01	<6.50E-01	<2.65E-01	<3.36E-01	<5.93E-01	<9.33E-01	<3.43E-01	<6.88E-01	<2.99E-01	<6.88E-01	<4.52E-01	<5.93E-01
T-314		<1.17E+0(	<2.20E-01	<1.90E-01	<6.48E-01	<9.39E-01	<5.06E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01	<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<6.02E-01
T-401		<1.43E+0(	<2.62E-01	<2.27E-01	<7.97E-01	<1.15E+0(	<6.22E-01	<4.07E-01	<8.80E-01	<7.86E-01	<3.21E-01	<4.07E-01	<7.39E-01	<1.14E+0(	<4.15E-01	<8.58E-01	<3.61E-01	<8.58E-01	<5.63E-01	<7.39E-01
T-402		<1.43E+0(	<2.62E-01	<2.27E-01	<7.97E-01	<1.15E+0(	<6.22E-01	<4.07E-01	<8.80E-01	<7.86E-01	<3.21E-01	<4.07E-01	<7.39E-01	<1.14E+0(	<4.15E-01	<8.58E-01	<3.61E-01	<8.58E-01	<5.63E-01	<7.39E-01
T-403		<1.46E+0(	<2.66E-01	<2.31E-01	<8.09E-01	<1.17E+0(	<6.32E-01	<4.13E-01	<8.94E-01	<7.99E-01	<3.26E-01	<4.13E-01	<7.51E-01	<1.16E+0(	<4.22E-01	<8.71E-01	<3.67E-01	<8.71E-01	<5.72E-01	<7.51E-01
T-404		<1.40E+0(	<2.63E-01	<2.27E-01	<7.78E-01	<1.13E+0(	<6.08E-01	<4.07E-01	<8.82E-01	<7.88E-01	<3.22E-01	<4.07E-01	<7.22E-01	<1.14E+0(	<4.16E-01	<8.38E-01	<3.62E-01	<8.38E-01	<5.50E-01	<7.22E-01
T-405		<1.37E+0(	<2.56E-01	<2.22E-01	<7.59E-01	<1.10E+0(	<5.93E-01	<3.98E-01	<8.61E-01	<7.69E-01	<3.14E-01	<3.98E-01	<7.05E-01	<1.11E+0(	<4.06E-01	<8.18E-01	<3.53E-01	<8.18E-01	<5.37E-01	<7.05E-01
T-406		<1.37E+0(	<2.51E-01	<2.17E-01	<7.63E-01	<1.10E+0(	<5.96E-01	<3.90E-01	<8.54E-01	<7.53E-01	<3.08E-01	<3.90E-01	<7.08E-01	<1.11E+0(	<3.98E-01	<8.22E-01	<3.46E-01	<8.22E-01	<5.39E-01	<7.08E-01
T-407		<1.39E+0(	<2.60E-01	<2.25E-01	<7.72E-01	<1.12E+0(	<6.03E-01	<4.04E-01	<8.64E-01	<7.81E-01	<3.19E-01	<4.04E-01	<7.17E-01	<1.13E+0(	<3.93E-01	<8.32E-01	<3.59E-01	<8.32E-01	<5.46E-01	<7.17E-01
T-408		<1.43E+0(	<2.55E-01	<2.21E-01	<7.95E-01	<1.15E+0(	<6.21E-01	<3.96E-01	<8.79E-01	<7.66E-01	<3.13E-01	<3.96E-01	<7.38E-01	<1.15E+0(	<4.05E-01	<8.56E-01	<3.52E-01	<8.56E-01	<5.62E-01	<7.38E-01
T-409		<1.39E+0(	<2.60E-01	<2.25E-01	<7.69E-01	<1.11E+0(	<6.01E-01	<4.02E-01	<8.71E-01	<7.78E-01	<3.18E-01	<4.02E-01	<7.14E-01	<1.12E+0(	<4.11E-01	<8.29E-01	<3.58E-01	<8.29E-01	<5.44E-01	<7.14E-01
T-410		<1.41E+0(	<2.64E-01	<2.28E-01	<7.82E-01	<1.13E+0(	<6.11E-01	<4.09E-01	<8.75E-01	<7.91E-01	<3.23E-01	<4.09E-01	<7.26E-01	<1.14E+0(	<3.98E-01	<8.42E-01	<3.63E-01	<8.42E-01	<5.53E-01	<7.26E-01
T-411		<1.37E+0(	<2.57E-01	<2.23E-01	<7.63E-01	<1.10E+0(	<5.95E-01	<3.99E-01	<8.53E-01	<7.71E-01	<3.15E-01	<3.99E-01	<7.08E-01	<1.11E+0(	<3.88E-01	<8.21E-01	<3.54E-01	<8.21E-01	<5.39E-01	<7.08E-01
T-412		<1.36E+0(	<2.49E-01	<2.16E-01	<7.57E-01	<1.10E+0(	<5.91E-01	<3.87E-01	<8.37E-01	<7.48E-01	<3.05E-01	<3.87E-01	<7.03E-01	<1.09E+0(	<3.95E-01	<8.16E-01	<3.44E-01	<8.16E-01	<5.36E-01	<7.03E-01
T-413		<1.50E+0(	<2.74E-01	<2.37E-01	<8.33E-01	<1.21E+0(	<6.51E-01	<4.25E-01	<9.32E-01	<8.23E-01	<3.36E-01	<4.25E-01	<7.73E-01	<1.21E+0(	<4.35E-01	<8.97E-01	<3.78E-01	<8.97E-01	<5.89E-01	<7.73E-01
T-414		<1.38E+0(	<2.46E-01	<2.13E-01	<7.66E-01	<1.11E+0(	<5.98E-01	<3.81E-01	<8.47E-01	<7.37E-01	<3.01E-01	<3.81E-01	<7.11E-01	<1.11E+0(	<3.90E-01	<8.25E-01	<3.39E-01	<8.25E-01	<5.42E-01	<7.11E-01
T-501		<1.47E+0(	<2.68E-01	<2.32E-01	<8.15E-01	<1.18E+0(	<6.37E-01	<4.16E-01	<9.01E-01	<8.05E-01	<3.29E-01	<4.16E-01	<7.57E-01	<1.17E+0(	<4.25E-01	<8.78E-01	<3.70E-01	<8.78E-01	<5.76E-01	<7.57E-01
T-502		<1.41E+0(	<2.65E-01	<2.30E-01	<7.86E-01	<1.14E+0(	<6.13E-01	<4.11E-01	<8.90E-01	<7.96E-01	<3.25E-01	<4.11E-01	<7.29E-01	<1.15E+0(	<4.20E-01	<8.46E-01	<3.66E-01	<8.46E-01	<5.56E-01	<7.29E-01
T-503		<1.46E+0(	<2.67E-01	<2.31E-01	<8.11E-01	<1.17E+0(	<6.33E-01	<4.14E-01	<9.07E-01	<8.00E-01	<3.27E-01	<4.14E-01	<7.52E-01	<1.18E+0(	<4.23E-01	<8.73E-01	<3.68E-01	<8.73E-01	<5.73E-01	<7.52E-01
T-504		<1.49E+0(	<2.65E-01	<2.30E-01	<8.26E-01	<1.20E+0(	<6.45E-01	<4.11E-01	<9.13E-01	<7.96E-01	<3.25E-01	<4.11E-01	<7.67E-01	<1.19E+0(	<4.20E-01	<8.90E-01	<3.66E-01	<8.90E-01	<5.84E-01	<7.67E-01
T-505		<1.45E+0(	<2.72E-01	<2.35E-01	<8.06E-01	<1.17E+0(	<6.29E-01	<4.21E-01	<9.13E-01	<8.15E-01	<3.33E-01	<4.21E-01	<7.48E-01	<1.18E+0(	<4.31E-01	<8.68E-01	<3.74E-01	<8.68E-01	<5.70E-01	<7.48E-01
T-506		<1.42E+0(	<2.59E-01	<2.24E-01	<7.88E-01	<1.14E+0(	<6.15E-01	<4.02E-01	<8.81E-01	<7.78E-01	<3.17E-01	<4.02E-01	<7.31E-01	<1.14E+0(	<4.11E-01	<8.48E-01	<3.57E-01	<8.48E-01	<5.57E-01	<7.31E-01
T-507		<1.46E+0(	<2.74E-01	<2.37E-01	<8.13E-01	<1.18E+0(	<6.35E-01	<4.25E-01	<9.10E-01	<8.23E-01	<3.36E-01	<4.25E-01	<7.55E-01	<1.19E+0(	<4.14E-01	<8.76E-01	<3.78E-01	<8.76E-01	<5.75E-01	<7.55E-01
T-508		<1.42E+0(	<2.60E-01	<2.25E-01	<7.91E-01	<1.14E+0(	<6.17E-01	<4.04E-01	<8.85E-01	<7.81E-01	<3.19E-01	<4.04E-01	<7.34E-01	<1.15E+0(	<4.12E-01	<8.51E-01	<3.59E-01	<8.51E-01	<5.59E-01	<7.34E-01
T-509		<1.58E+0(	<2.95E-01	<2.56E-01	<8.78E-01	<1.27E+0(	<6.85E-01	<4.58E-01	<9.93E-01	<8.86E-01	<3.62E-01	<4.58E-01	<8.15E-01	<1.28E+0(	<4.68E-01	<9.45E-01	<4.07E-01	<9.45E-01	<6.21E-01	<8.15E-01
T-510		<1.37E+0(	<2.45E-01	<2.12E-01	<7.62E-01	<1.10E+0(	<5.95E-01	<3.79E-01	<8.42E-01	<7.33E-01	<2.99E-01	<3.79E-01	<7.07E-01	<1.10E+0(	<3.87E-01	<8.21E-01	<3.37E-01	<8.21E-01	<5.39E-01	<7.07E-01
T-511		<1.46E+0(	<2.66E-01	<2.30E-01	<8.09E-01	<1.17E+0(	<6.31E-01	<4.13E-01	<9.16E-01	<7.98E-01	<3.26E-01	<4.13E-01	<7.51E-01	<1.18E+0(	<4.22E-01	<8.71E-01	<3.67E-01	<8.71E-01	<5.72E-01	<7.51E-01
T-512		<1.43E+0(	<2.55E-01	<2.20E-01	<7.92E-01	<1.15E+0(	<6.19E-01	<3.95E-01	<8.76E-01	<7.63E-01	<3.12E-01	<3.95E-01	<7.35E-01	<1.14E+0(	<4.03E-01	<8.53E-01	<3.51E-01	<8.53E-01	<5.60E-01	<7.35E-01
T-513		<1.36E+0(	<2.55E-01	<2.20E-01	<7.54E-01	<1.09E+0(	<5.88E-01	<3.95E-01	<8.43E-01	<7.63E-01	<3.12E-01	<3.95E-01	<7.00E-01	<1.10E+0(	<3.83E-01	<8.12E-01	<3.51E-01	<8.12E-01	<5.33E-01	<7.00E-01
T-514		<1.42E+0(	<2.59E-01	<2.24E-01	<7.86E-01	<1.14E+0(	<6.14E-01	<4.01E-01	<8.91E-01	<7.76E-01	<3.17E-01	<4.01E-01	<7.30E-01	<1.15E+0(	<4.10E-01	<8.47E-01	<3.57E-01	<8.47E-01	<5.56E-01	<7.30E-01

Sample ID	Compound	1,2-Dichlorotetrafluoroethane	Vinyl chloride	1,3-Butadiene	Bromomethane	Trichlorofluoromethane	t-Butyl alcohol	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Ethyl acetate
	CAS	76-14-2	75-01-4	106-99-0	74-83-9	75-69-4	75-65-0	75-35-4	107-13-1	76-13-1	107-05-1	156-60-5	1634-04-4	107-12-0	75-34-3	637-92-3	108-05-4	108-20-3	126-98-7	141-78-6
	MW	170.9	62.5	54.1	94.9	137.4	74.1	96.9	53.1	187.4	76.5	96.9	88.1	55.1	99	102.2	86.1	102.2	67.1	88.1
Flux (mg/m2-min)																				
T-101		<6.20E-05	<1.17E-05	<1.01E-05	<3.44E-05	<4.98E-05	<2.69E-05	<1.81E-05	<3.91E-05	<3.50E-05	<1.43E-05	<1.81E-05	<3.20E-05	<5.03E-05	<1.85E-05	<3.71E-05	<1.61E-05	<3.71E-05	<2.43E-05	<3.20E-05
T-102		<4.65E-05	<8.77E-06	<7.59E-06	<2.58E-05	<3.74E-05	<2.02E-05	<1.36E-05	<2.94E-05	<2.63E-05	<1.07E-05	<1.36E-05	<2.40E-05	<3.77E-05	<1.39E-05	<2.78E-05	<1.21E-05	<2.78E-05	<1.83E-05	<2.40E-05
T-103		<1.25E-04	<2.36E-05	<2.04E-05	<6.95E-05	<1.01E-04	<5.43E-05	<3.66E-05	<7.90E-05	<7.07E-05	<2.89E-05	<3.66E-05	<6.45E-05	<1.02E-04	<3.74E-05	<7.49E-05	<3.25E-05	<7.49E-05	<4.92E-05	<6.45E-05
T-104		<1.35E-04	<2.54E-05	<2.20E-05	<7.49E-05	<1.08E-04	<5.85E-05	<3.94E-05	<8.51E-05	<7.62E-05	<3.11E-05	<3.94E-05	<6.95E-05	<1.09E-04	<4.02E-05	<8.06E-05	<3.50E-05	<8.06E-05	<5.29E-05	<6.95E-05
T-105		<4.22E-05	<7.95E-06	<6.88E-06	<2.34E-05	<3.39E-05	<1.83E-05	<1.23E-05	<2.66E-05	<2.38E-05	<9.73E-06	<1.23E-05	<2.18E-05	<3.42E-05	<1.26E-05	<2.52E-05	<1.10E-05	<2.52E-05	<1.66E-05	<2.18E-05
T-106		<4.97E-05	<9.36E-06	<8.10E-06	<2.76E-05	<3.99E-05	<2.15E-05	<1.45E-05	<3.13E-05	<2.81E-05	<1.15E-05	<1.45E-05	<2.56E-05	<4.03E-05	<1.48E-05	<2.97E-05	<1.29E-05	<2.97E-05	<1.95E-05	<2.56E-05
T-107		<1.16E-04	<2.19E-05	<1.89E-05	<6.45E-05	<9.34E-05	<5.03E-05	<3.39E-05	<7.33E-05	<6.56E-05	<2.68E-05	<3.39E-05	<5.99E-05	<9.42E-05	<3.47E-05	<6.94E-05	<3.01E-05	<6.94E-05	<4.56E-05	<5.99E-05
T-108		<1.89E-04	<3.55E-05	<3.08E-05	<1.05E-04	<1.52E-04	<8.18E-05	<5.51E-05	<1.19E-04	<1.07E-04	<4.35E-05	<5.51E-05	<9.72E-05	<1.53E-04	<5.63E-05	<1.13E-04	<4.89E-05	<1.13E-04	<7.40E-05	<9.72E-05
T-109		<4.85E-05	<9.14E-06	<7.91E-06	<2.69E-05	<3.90E-05	<2.10E-05	<1.42E-05	<3.06E-05	<2.74E-05	<1.12E-05	<1.42E-05	<2.50E-05	<3.93E-05	<1.45E-05	<2.90E-05	<1.26E-05	<2.90E-05	<1.90E-05	<2.50E-05
T-110		<4.21E-05	<7.94E-06	<6.87E-06	<2.34E-05	<3.39E-05	<1.83E-05	<1.23E-05	<2.66E-05	<2.38E-05	<9.72E-06	<1.23E-05	<2.17E-05	<3.42E-05	<1.26E-05	<2.52E-05	<1.09E-05	<2.52E-05	<1.65E-05	<2.17E-05
T-111		<1.86E-04	<3.50E-05	<3.03E-05	<1.03E-04	<1.49E-04	<8.05E-05	<5.42E-05	<1.17E-04	<1.05E-04	<4.28E-05	<5.42E-05	<9.57E-05	<1.51E-04	<5.54E-05	<1.11E-04	<4.82E-05	<1.11E-04	<7.29E-05	<9.57E-05
T-112		<1.00E-04	<1.89E-05	<1.63E-05	<5.56E-05	<8.05E-05	<4.34E-05	<2.92E-05	<6.31E-05	<5.65E-05	<2.31E-05	<2.92E-05	<5.16E-05	<8.12E-05	<2.99E-05	<5.99E-05	<2.60E-05	<5.99E-05	<3.93E-05	<5.16E-05
T-113		<9.00E-05	<1.70E-05	<1.47E-05	<5.00E-05	<7.24E-05	<3.90E-05	<2.63E-05	<5.68E-05	<5.09E-05	<2.08E-05	<2.63E-05	<4.64E-05	<7.30E-05	<2.69E-05	<5.38E-05	<2.34E-05	<5.38E-05	<3.53E-05	<4.64E-05
T-114		<4.49E-05	<8.46E-06	<7.32E-06	<2.49E-05	<3.61E-05	<1.95E-05	<1.31E-05	<2.83E-05	<2.54E-05	<1.04E-05	<1.31E-05	<2.32E-05	<3.64E-05	<1.34E-05	<2.69E-05	<1.17E-05	<2.69E-05	<1.76E-05	<2.32E-05
T-201		<6.79E-05	<1.28E-05	<1.11E-05	<3.77E-05	<5.46E-05	<2.94E-05	<1.98E-05	<4.28E-05	<3.84E-05	<1.57E-05	<1.98E-05	<3.50E-05	<5.51E-05	<2.03E-05	<4.06E-05	<1.76E-05	<4.06E-05	<2.67E-05	<3.50E-05
T-202		<8.60E-05	<1.62E-05	<1.40E-05	<4.77E-05	<6.91E-05	<3.73E-05	<2.51E-05	<5.42E-05	<4.86E-05	<1.98E-05	<2.51E-05	<4.43E-05	<6.97E-05	<2.57E-05	<5.14E-05	<2.23E-05	<5.14E-05	<3.38E-05	<4.43E-05
T-203		<5.38E-05	<1.01E-05	<8.77E-06	<2.99E-05	<4.33E-05	<2.33E-05	<1.57E-05	<3.39E-05	<3.04E-05	<1.24E-05	<1.57E-05	<2.77E-05	<4.36E-05	<1.61E-05	<3.22E-05	<1.40E-05	<3.22E-05	<2.11E-05	<2.77E-05
T-204		<6.65E-05	<1.25E-05	<1.08E-05	<3.69E-05	<5.34E-05	<2.88E-05	<1.94E-05	<4.19E-05	<3.75E-05	<1.53E-05	<1.94E-05	<3.43E-05	<5.39E-05	<1.98E-05	<3.97E-05	<1.73E-05	<3.97E-05	<2.61E-05	<3.43E-05
T-205		<4.26E-05	<8.02E-06	<6.94E-06	<2.36E-05	<3.42E-05	<1.85E-05	<1.24E-05	<2.69E-05	<2.41E-05	<9.82E-06	<1.24E-05	<2.20E-05	<3.45E-05	<1.27E-05	<2.55E-05	<1.11E-05	<2.55E-05	<1.67E-05	<2.20E-05
T-206		<4.26E-05	<8.02E-06	<6.94E-06	<2.36E-05	<3.42E-05	<1.85E-05	<1.24E-05	<2.69E-05	<2.41E-05	<9.82E-06	<1.24E-05	<2.20E-05	<3.45E-05	<1.27E-05	<2.55E-05	<1.11E-05	<2.55E-05	<1.67E-05	<2.20E-05
T-207		<4.24E-05	<7.99E-06	<6.92E-06	<2.36E-05	<3.41E-05	<1.84E-05	<1.24E-05	<2.68E-05	<2.40E-05	<9.78E-06	<1.24E-05	<2.19E-05	<3.44E-05	<1.27E-05	<2.54E-05	<1.10E-05	<2.54E-05	<1.67E-05	<2.19E-05
T-208		<4.25E-05	<8.01E-06	<6.93E-06	<2.36E-05	<3.42E-05	<1.84E-05	<1.24E-05	<2.68E-05	<2.40E-05	<9.80E-06	<1.24E-05	<2.19E-05	<3.45E-05	<1.27E-05	<2.54E-05	<1.10E-05	<2.54E-05	<1.67E-05	<2.19E-05
T-209		<4.68E-05	<8.81E-06	<7.63E-06	<2.60E-05	<3.76E-05	<2.03E-05	<1.37E-05	<2.95E-05	<2.64E-05	<1.08E-05	<1.37E-05	<2.41E-05	<3.79E-05	<1.40E-05	<2.80E-05	<1.21E-05	<2.80E-05	<1.84E-05	<2.41E-05
T-210		<4.26E-05	<8.02E-06	<6.94E-06	<2.36E-05	<3.42E-05	<1.85E-05	<1.24E-05	<2.69E-05	<2.41E-05	<9.82E-06	<1.24E-05	<2.20E-05	<3.45E-05	<1.27E-05	<2.55E-05	<1.11E-05	<2.55E-05	<1.67E-05	<2.20E-05
T-211		<4.24E-05	<7.98E-06	<6.91E-06	<2.35E-05	<3.41E-05	<1.84E-05	<1.24E-05	<2.67E-05	<2.39E-05	<9.77E-06	<1.24E-05	<2.18E-05	<3.43E-05	<1.26E-05	<2.53E-05	<1.10E-05	<2.53E-05	<1.66E-05	<2.18E-05
T-212		<7.59E-05	<1.43E-05	<1.24E-05	<4.21E-05	<6.10E-05	<3.29E-05	<2.22E-05	<4.79E-05	<4.29E-05	<1.75E-05	<2.22E-05	<3.91E-05	<6.15E-05	<2.26E-05	<4.54E-05	<1.97E-05	<4.54E-05	<2.98E-05	<3.91E-05
T-213		<6.52E-05	<1.23E-05	<1.06E-05	<3.62E-05	<5.24E-05	<2.83E-05	<1.91E-05	<4.11E-05	<3.68E-05	<1.50E-05	<1.91E-05	<3.36E-05	<5.29E-05	<1.95E-05	<3.90E-05	<1.69E-05	<3.90E-05	<2.56E-05	<3.36E-05
T-214		<4.49E-05	<8.46E-06	<7.32E-06	<2.49E-05	<3.61E-05	<1.95E-05	<1.31E-05	<2.83E-05	<2.54E-05	<1.04E-05	<1.31E-05	<2.32E-05	<3.64E-05	<1.34E-05	<2.69E-05	<1.17E-05	<2.69E-05	<1.76E-05	<2.32E-05
T-301		<5.09E-05	<9.59E-06	<8.30E-06	<2.83E-05	<4.09E-05	<2.21E-05	<1.49E-05	<3.21E-05	<2.87E-05	<1.17E-05	<1.49E-05	<2.62E-05	<4.13E-05	<1.52E-05	<3.04E-05	<1.32E-05	<3.04E-05	<2.00E-05	<2.62E-05
T-302		<8.51E-05	<1.60E-05	<1.39E-05	<4.73E-05	<6.84E-05	<3.69E-05	<2.49E-05	<5.37E-05	<4.81E-05	<1.96E-05	<2.49E-05	<4.39E-05	<6.90E-05	<2.54E-05	<5.09E-05	<2.21E-05	<5.09E-05	<3.34E-05	<4.39E-05
T-303		<5.29E-05	<9.97E-06	<8.63E-06	<2.94E-05	<4.25E-05	<2.29E-05	<1.55E-05	<3.34E-05	<2.99E-05	<1.22E-05	<1.55E-05	<2.73E-05	<4.29E-05	<1.58E-05	<3.16E-05	<1.37E-05	<3.16E-05	<2.08E-05	<2.73E-05
T-304		<4.46E-05	<8.40E-06	<7.27E-06	<2.48E-05	<3.58E-05	<1.93E-05	<1.30E-05	<2.81E-05	<2.52E-05	<1.03E-05	<1.30E-05	<2.30E-05	<3.62E-05	<1.33E-05	<2.67E-05	<1.16E-05	<2.67E-05	<1.75E-05	<2.30E-05
T-305		<4.45E-05	<8.38E-06	<7.26E-06	<2.47E-05	<3.58E-05	<1.93E-05	<1.30E-05	<2.81E-05	<2.51E-05	<1.03E-05	<1.30E-05	<2.29E-05	<3.61E-05	<1.33E-05	<2.66E-05	<1.15E-05	<2.66E-05	<1.75E-05	<2.29E-05
T-306		<4.44E-05	<8.37E-06	<7.24E-06	<2.47E-05	<3.57E-05	<1.93E-05	<1.30E-05	<2.80E-05	<2.51E-05	<1.02E-05	<1.30E-05	<2.29E-05	<3.60E-05	<1.33E-05	<2.66E-05	<1.15E-05	<2.66E-05	<1.74E-05	<2.29E-05
T-307		<4.42E-05	<8.34E-06	<7.22E-06	<2.46E-05	<3.56E-05	<1.92E-05	<1.29E-05	<2.79E-05	<2.50E-05	<1.02E-05	<1.29E-05	<2.28E-05	<3.59E-05	<1.32E-05	<2.65E-05	<1.15E-05	<2.65E-05	<1.74E-05	<2.28E-05
T-308		<4.78E-05	<9.01E-06	<7.80E-06	<2.66E-05	<3.84E-05	<2.07E-05	<1.40E-05	<3.02E-05	<2.70E-05	<1.10E-05	<1.40E-05	<2.47E-05	<3.88E-05	<1.43E-05	<2.86E-05	<1.24E-05	<2.86E-05	<1.88E-05	<2.47E-05
T-309		<1.24E-04	<2.33E-05	<2.02E-05	<6.88E-05	<9.96E-05	<5.37E-05	<3.62E-05	<7.82E-05	<7.00E-05	<2.86E-05	<3.62E-05	<6.39E-05	<1.00E-04	<3.70E-05	<7.41E-05	<3.22E-05	<7.41E-05	<4.87E-05	<6.39E-05
T-310		<6.40E-05	<1.21E-05	<1.04E-05	<3.55E-05	<5.14E-05	<2.77E-05	<1.87E-05	<4.04E-05	<3.61E-05	<1.48E-05	<1.87E-05	<3.30E-05	<5.19E-05	<1.91E-05	<3.83E-05	<1.66E-05	<3.83E-05	<2.51E-05	<3.30E-05
T-311		<8.77E-05	<1.65E-05	<1.43E-05	<4.87E-05	<7.05E-05	<3.80E-05	<2.56E-05	<5.53E-05	<4.96E-05	<2.02E-05	<2.56E-05	<4.52E-05	<7.11E-05	<2.62E-05	<5.25E-05	<2.28E-05	<5.25E-05	<3.44E-05	<4.52E-05
T-312		<5.76E-05	<1.09E-05	<9.40E-06	<3.20E-05	<4.63E-05	<2.50E-05	<1.68E-05	<3.64E-05	<3.26E-05	<1.33E-05	<1.68E-05	<2.97E-05	<4.67E-05	<1.72E-05	<3.45E-05	<1.50E-05	<3.45E-05	<2.26E-05	<2.97E-05
T-313		<4.93E-05	<9.28E-06	<8.03E-06	<2.74E-05	<3.96E-05	<2.14E-05	<1.44E-05	<3.11E-05	<2.78E-05	<1.14E-05	<1.44E-05	<2.54E-05	<3.99E-05	<1.47E-05	<2.95E-05	<1.28E-05	<2.95E-05	<1.93E-05	<2.54E-05
T-314		<4.49E-05	<8.46E-06	<7.32E-06	<2.49E-05	<3.61E-05	<1.95E-05	<1.31E-05	<2.83E-05	<2.54E-05	<1.04E-05	<1.31E-05	<2.32E-05	<3.64E-05	<1.34E-05	<2.69E-05	<1.17E-05	<2.69E-05	<1.76E-05	<2.32E-05
T-401		<5.52E-05	<1.01E-05	<8.73E-06	<3.06E-05	<4.44E-05	<2.39E-05	<1.56E-05	<3.39E-05	<3.02E-05	<1.23E-05	<1.56E-05	<2.84E-05	<4.40E-05	<1.60E-05	<3.30E-05	<1.39E-05	<3.30E-05	<2.17E-05	<2.84E-05
T-402		<7.37E-05	<1.35E-05	<1.17E-05	<4.09E-05	<5.92E-05	<3.19E-05	<2.09E-05	<4.52E-05	<4.04E-05	<1.65E-05	<2.09E-05	<3.80E-05	<5.88E-05	<2.13E-05	<4.41E-05	<1.86E-05	<4.41E-05	<2.89E-05	<3.80E-05
T-403		<1.36E-04	<2.48E-05	<2.15E-05	<7.53E-05	<1.09E-04	<5.88E-05	<3.85E-05	<8.33E-05	<7.44E-05	<3.04E-05	<3.85E-05	<6.99E-05	<1.08E-04	<3.93E-05	<8.11E-05	<3.42E-05	<8.11E-05	<5.33E-05	<6.99E-05
T-404		<6.87E-05	<1.29E-05	<1.12E-05	<3.81E-05	<5.52E-05	<2.98E-05	<2.00E-05	<4.32E-05	<3.86E-05	<1.58E-05	<2.00E-05	<3.54E-05	<5.56E-05	<2.04E-05	<4.11E-05	<1.77E-05	<4.11E-05	<2.70E-05	<3.54E-05
T-405		<6.78E-05	<1.27E-05	<1.10E-05	<3.77E-05	<5.45E-05	<2.94E-05	<1.97E-05	<4.27E-05	<3.81E-05	<1.56E-05	<1.97E-05	<3.50E-05	<5.50E-05	<2.02E-05	<4.06E-05	<1.75E-05	<4.06E-05	<2.66E-05	<3.50E-05
T-406		<7.03E-05	<1.29E-05	<1.11E-05	<3.90E-05	<5.65E-05	<3.05E-05	<1.99E-05	<4.37E-05	<3.85E-05	<1.57E-05	<1.99E-05	<3.62E-05	<5.67E-05	<2.04E-05	<4.20E-05	<1.77E-05	<4.20E-05	<2.76E-05	<3.62E-05
T-407		<1.11E-04	<2.08E-05	<1.80E-05	<6.18E-05	<8.95E-05	<4.82E-05	<3.23E-05	<6.91E-05	<6.25E-05	<2.55E-05	<3.23E-05	<5.74E-05	<9.01E-05	<3.14E-05	<6.65E-05	<2.87E-05	<6.65E-05	<4.37E-05	<5.74E-05
T-408		<5.51E-05	<9.83E-06	<8.50E-06	<3.06E-05	<4.43E-05	<2.39E-05	<1.52E-05	<3.38E-05	<2.95E-05	<1.20E-05	<1.52E-05	<2.84E-05	<4.42E-05	<1.56E-05	<3.29E-05	<1.35E-05	<3.29E-05	<2.16E-05	<2.84E-05
T-409		<6.56E-05	<1.23E-05	<1.06E-05	<3.64E-05	<5.27E-05	<2.84E-05	<1.91E-05	<4.13E-05	<3.68E-05	<1.50E-05	<1.91E-05	<3.38E-05	<5.31E-05	<1.95E-05	<3.92E-05	<1.69E-05	<3.92E-05	<2.58E-05	<3.38E-05
T-410		<8.17E-05	<1.53E-05	<1.32E-05	<4.54E-05	<6.57E-05	<3.54E-05	<2.37E-05	<5.08E-05	<4.59E-05	<1.87E-05	<2.37E-05	<4.21E-05	<6.62E-05	<2.31E-05	<4.89E-05	<2.11E-05	<4.89E-05	<3.21E-05	<4.21E-05
T-411		<1.04E-04	<1.95E-05	<1.69E-05	<5.79E-05	<8.39E-05	<4.52E-05	<3.03E-05	<6.48E-05	<5.86E-05	<2.39E-05	<3.03E-05	<5.38E-05	<8.45E-05	<2.95E-05	<6.24E-05	<2.69E-05	<6.24E-05	<4.10E-05	<5.38E-05
T-412		<5.25E-05	<9.59E-06	<8.30E-06	<2.91E-05	<4.22E-05	<2.27E-05	<1.49E-05	<3.22E-05	<2.88E-05	<1.17E-05	<1.49E-05	<2.70E-05	<4.19E-05	<1.52E-05	<3.14E-05	<1.32E-05	<3.14E-05	<2.06E-05	<2.70E-05
T-413		<5.77E-05	<1.06E-05	<9.13E-06	<3.20E-05	<4.64E-05	<2.50E-05	<1.64E-05	<3.59E-05	<3.16E-05	<1.29E-05	<1.64E-05	<2.97E-05	<4.65E-05	<1.67E-05	<3.45E-05	<1.45E-05	<3.45E-05	<2.27E-05	<2.97E-05
T-414		<5.31E-05	<9.46E-06	<8.19E-06	<2.95E-05	<4.27E-05	<2.30E-05	<1.47E-05	<3.26E-05	<2.84E-05	<1.16E-05	<1.47E-05	<2.74E-05	<4.26E-05	<1.50E-05	<3.17E-05	<1.30E-05	<3.17E-05	<2.08E-05	<2.74E-05
T-501		<3.74E-04	<6.83E-05	<5.91E-05	<2.07E-04	<3.00E-04	<1.62E-04	<1.06E-04	<2.29E-04	<2.05E-04	<8.36E-05	<1.06E-04	<1.93E-04	<2.98E-04	<1.08E-04	<2.23E-04	<9.41E-05	<2.23E-04	<1.47E-04	<1.93E-04
T-502		<1.06E-04	<2.00E-05	<1.73E-05	<5.91E-05	<8.56E-05	<4.62E-05	<3.09E-05	<6.70E-05	<5.99E-05	<2.44E-05	<3.09E-05	<5.49E-05	<8.62E-05	<3.16E-05	<6.37E-05	<2.75E-05	<6.37E-05	<4.18E-05	<5.49E-05
T-503		<2.15E-04	<3.92E-05	<3.40E-05	<1.19E-04	<1.73E-04	<9.30E-05	<6.08E-05	<1.33E-04	<1.18E-04	<4.80E-05	<6.08E-05	<1.11E-04	<1.73E-04	<6.21E-05	<1.28E-04	<5.40E-05	<1.28E-04	<8.42E-05	<1.11E-04
T-504		<1.17E-04	<2.09E-05	<1.81E-05	<6.50E-05	<9.41E-05	<5.07E-05	<3.24E-05	<7.18E-05	<6.26E-05	<2.55E-05	<3.24E-05	<6.03E-05	<9.38E-05	<3.31E-05	<7.00E-05	<2.87E-05	<7.00E-05	<4.59E-05	<6.03E-05
T-505		<7.78E-05	<1.46E-05	<1.26E-05	<4.32E-05	<6.25E-05	<3.37E-05	<2.26E-05	<4.89E-05	<4.37E-05	<1.78E-05	<2.26E-05	<4.01E-05	<6.30E-05	<2.31E-05	<4.65E-05	<2.01E-05	<4.65E-05	<3.05E-05	<4.01E-05
T-506		<6.84E-05	<1.25E-05	<1.08E-05	<3.80E-05	<5.50E-05	<2.97E-05	<1.94E-05	<4.25E-05	<3.75E-05	<1.53E-05	<1.94E-05	<3.53E-05	<5.51E-05	<1.98E-05	<4.09E-05	<1.72E-05	<4.09E-05	<2.69E-05	<3.53E-05
T-507		<5.63E-05	<1.06E-05	<9.13E-06	<3.13E-05	<4.53E-05	<2.44E-05	<1.64E-05	<3.50E-05	<3.16E-05	<1.29E-05	<1.64E-05	<2.90E-05	<4.56E-05	<1.59E-05	<3.37E-05	<1.45E-05	<3.37E-05	<2.21E-05	<2.90E-05
T-508		<7.54E-05	<1.38E-05	<1.19E-05	<4.19E-05	<6.07E-05	<3.27E-05	<2.14E-05	<4.69E-05	<4.14E-05	<1.69E-05	<2.14E-05	<3.89E-05	<6.08E-05	<2.19E-05	<4.51E-05	<1.90E-05	<4.51E-05	<2.96E-05	<3.89E-05
T-509		<6.08E-05	<1.14E-05	<9.84E-06	<3.38E-05	<4.89E-05	<2.64E-05	<1.76E-05	<3.82E-05	<3.41E-05	<1.39E-05	<1.76E-05	<3.13E-05	<4.92E-05	<1.80E-05	<3.64E-05	<1.57E-05	<3.64E-05	<2.39E-05	<3.13E-05
T-510		<6.35E-05	<1.13E-05	<9.79E-06	<3.52E-05	<5.10E-05	<2.75E-05	<1.75E-05	<3.89E-05	<3.39E-05	<1.38E-05	<1.75E-05	<3.27E-05	<5.09E-05	<1.79E-05	<3.79E-05	<1.56E-05	<3.79E-05	<2.49E-05	<3.27E-05
T-511		<5.70E-05	<1.04E-05	<9.03E-06	<3.17E-05	<4.59E-05	<2.47E-05	<1.62E-05	<3.59E-05	<3.13E-05	<1.28E-05	<1.62E-05	<2.94E-05	<4.64E-05	<1.65E-05	<3.41E-05	<1.44E-05	<3.41E-05	<2.24E-05	<2.94E-05
T-512		<1.72E-04	<3.07E-05	<2.66E-05	<9.57E-05	<1.39E-04	<7.47E-05	<4.77E-05	<1.06E-04	<9.22E-05	<3.76E-05	<4.77E-05	<8.89E-05	<1.38E-04	<4.87E-05	<1.03E-04	<4.24E-05	<1.03E-04	<6.77E-05	<8.89E-05
T-513		<1.55E-04	<2.91E-05	<2.52E-05	<8.61E-05	<1.25E-04	<6.72E-05	<4.51E-05	<9.64E-05	<8.72E-05	<3.56E-05	<4.51E-05	<7.99E-05	<1.26E-04	<4.38E-05	<9.27E-05	<4.01E-05	<9.27E-05	<6.09E-05	<7.99E-05
T-514		<5.44E-05	<9.96E-06	<8.62E-06	<3.02E-05	<4.38E-05	<2.36E-05	<1.54E-05	<3.43E-05	<2.99E-05	<1.22E-05	<1.54E-05	<2.81E-05	<4.43E-05	<1.58E-05	<3.26E-05	<1.37E-05	<3.26E-05	<2.14E-05	<2.81E-05

Sample ID / Compound	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether	1,2-Dichloropropane	1,4 Dioxane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	4-Methyl-2-pentanone (MIBK)	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane
CAS	74-97-5	96-33-3	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5	994-05-8	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
MW	129.4	86.1	74.1	113	133.4	111	153.8	102.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113
Lab Data (ppbv)																			
T-101	ND	ND	ND	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	ND	ND	ND
T-103	ND	ND	ND	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	ND	ND	ND
T-105	ND	ND	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	ND	ND
T-107	ND	ND	ND	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	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	ND	ND	ND	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	ND	ND	ND
T-113	ND	ND	ND	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	ND	ND	ND
T-201	ND	ND	ND	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	ND	ND	ND
T-203	ND	ND	ND	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	ND	ND	ND
T-205	ND	ND	ND	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	ND	ND	ND
T-207	ND	ND	ND	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	ND	ND	ND
T-209	ND	ND	ND	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	ND	ND	ND
T-211	ND	ND	ND	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	ND	ND	ND
T-213	ND	ND	ND	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	ND	ND	ND
T-301	ND	ND	ND	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	ND	ND	ND
T-303	ND	ND	ND	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	ND	ND	ND
T-305	ND	ND	ND	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	ND	ND	ND
T-307	ND	ND	ND	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	ND	ND	ND
T-309	ND	ND	ND	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	ND	ND	ND
T-311	ND	ND	ND	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	ND	ND	ND
T-313	ND	ND	ND	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	ND	ND	ND
T-401	ND	ND	ND	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	ND	ND	ND
T-403	ND	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	ND
T-405	ND	ND	ND	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	ND	ND	ND
T-407	ND	ND	ND	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	ND	ND	ND
T-409	ND	ND	ND	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	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	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	ND
T-502	ND	ND	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	ND	ND
T-504	ND	ND	ND	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	ND
T-506	ND	ND	ND	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	ND	ND	ND
T-508	ND	ND	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	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Compound	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether	1,2-Dichloropropane	1,4 Dioxane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	4-Methyl-2-pentanone (MIBK)	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane
	CAS	74-97-5	96-33-3	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5	994-05-8	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
	MW	129.4	86.1	74.1	113	133.4	111	153.8	102.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113
MDL (ppbv)																				
T-101		0.17	0.33	0.67	0.17	0.17	0.17	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
T-102		0.17	0.33	0.67	0.17	0.17	0.17	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
T-103		0.17	0.33	0.67	0.17	0.17	0.17	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
T-104		0.17	0.33	0.67	0.17	0.17	0.17	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
T-105		0.17	0.33	0.67	0.17	0.17	0.17	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
T-106		0.17	0.33	0.67	0.17	0.17	0.17	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
T-107		0.17	0.33	0.67	0.17	0.17	0.17	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
T-108		0.17	0.33	0.67	0.17	0.17	0.17	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
T-109		0.17	0.33	0.67	0.17	0.17	0.17	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
T-110		0.17	0.33	0.67	0.17	0.17	0.17	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
T-111		0.17	0.33	0.67	0.17	0.17	0.17	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
T-112		0.17	0.33	0.67	0.17	0.17	0.17	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
T-113		0.17	0.33	0.67	0.17	0.17	0.17	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
T-114		0.17	0.33	0.67	0.17	0.17	0.17	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
T-201		0.17	0.33	0.67	0.17	0.17	0.17	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
T-202		0.17	0.33	0.67	0.17	0.17	0.17	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
T-203		0.17	0.33	0.67	0.17	0.17	0.17	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
T-204		0.17	0.33	0.67	0.17	0.17	0.17	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
T-205		0.17	0.33	0.67	0.17	0.17	0.17	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
T-206		0.17	0.33	0.67	0.17	0.17	0.17	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
T-207		0.17	0.33	0.67	0.17	0.17	0.17	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
T-208		0.17	0.33	0.67	0.17	0.17	0.17	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
T-209		0.17	0.33	0.67	0.17	0.17	0.17	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
T-210		0.17	0.33	0.67	0.17	0.17	0.17	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
T-211		0.17	0.33	0.67	0.17	0.17	0.17	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
T-212		0.17	0.33	0.67	0.17	0.17	0.17	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
T-213		0.17	0.33	0.67	0.17	0.17	0.17	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
T-214		0.17	0.33	0.67	0.17	0.17	0.17	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
T-301		0.17	0.33	0.67	0.17	0.17	0.17	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
T-302		0.17	0.33	0.67	0.17	0.17	0.17	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
T-303		0.17	0.33	0.67	0.17	0.17	0.17	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
T-304		0.17	0.33	0.67	0.17	0.17	0.17	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
T-305		0.17	0.33	0.67	0.17	0.17	0.17	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
T-306		0.17	0.33	0.67	0.17	0.17	0.17	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
T-307		0.17	0.33	0.67	0.17	0.17	0.17	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
T-308		0.17	0.33	0.67	0.17	0.17	0.17	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
T-309		0.17	0.33	0.67	0.17	0.17	0.17	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
T-310		0.17	0.33	0.67	0.17	0.17	0.17	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
T-311		0.17	0.33	0.67	0.17	0.17	0.17	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
T-312		0.17	0.33	0.67	0.17	0.17	0.17	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
T-313		0.17	0.33	0.67	0.17	0.17	0.17	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
T-314		0.17	0.33	0.67	0.17	0.17	0.17	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
T-401		0.2	0.4	0.79	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-402		0.2	0.4	0.79	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-403		0.2	0.4	0.79	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-404		0.2	0.39	0.79	0.2	0.2	0.2	0.2	0.39	0.2	0.39	0.2	0.2	0.39	0.39	0.2	0.2	0.2	0.39	0.2
T-405		0.2	0.39	0.79	0.2	0.2	0.2	0.2	0.39	0.2	0.39	0.2	0.2	0.39	0.39	0.2	0.2	0.2	0.39	0.2
T-406		0.2	0.4	0.8	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-407		0.21	0.41	0.82	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-408		0.2	0.41	0.81	0.2	0.2	0.2	0.2	0.41	0.2	0.41	0.2	0.2	0.41	0.41	0.2	0.2	0.2	0.41	0.2
T-409		0.21	0.41	0.83	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-410		0.21	0.41	0.82	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-411		0.21	0.41	0.82	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-412		0.2	0.4	0.79	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-413		0.22	0.44	0.88	0.22	0.22	0.22	0.22	0.44	0.22	0.44	0.22	0.22	0.44	0.44	0.22	0.22	0.22	0.44	0.22
T-414		0.19	0.39	0.77	0.19	0.19	0.19	0.19	0.39	0.19	0.39	0.19	0.19	0.39	0.39	0.19	0.19	0.19	0.39	0.19
T-501		0.2	0.4	0.79	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-502		0.2	0.39	0.79	0.2	0.2	0.2	0.2	0.39	0.2	0.39	0.2	0.2	0.39	0.39	0.2	0.2	0.2	0.39	0.2
T-503		0.2	0.4	0.8	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-504		0.2	0.41	0.81	0.2	0.2	0.2	0.2	0.41	0.2	0.41	0.2	0.2	0.41	0.41	0.2	0.2	0.2	0.41	0.2
T-505		0.21	0.41	0.83	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-506		0.2	0.4	0.8	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-507		0.21	0.41	0.82	0.21	0.21	0.21	0.21	0.41	0.21	0.41	0.21	0.21	0.41	0.41	0.21	0.21	0.21	0.41	0.21
T-508		0.2	0.4	0.8	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2
T-509		0.23	0.45	0.91	0.23	0.23	0.23	0.23	0.45	0.23	0.45	0.23	0.23	0.45	0.45	0.23	0.23	0.23	0.45	0.23
T-510		0.19	0.39	0.77	0.19	0.19	0.19	0.19	0.39	0.19	0.39	0.19	0.19	0.39	0.39	0.19	0.19	0.19	0.39	0.19
T-511		0.21	0.42	0.85	0.21	0.21	0.21	0.21	0.42	0.21	0.42	0.21	0.21	0.42	0.42	0.21	0.21	0.21	0.42	0.21
T-512		0.2	0.41	0.81	0.2	0.2	0.2	0.2	0.41	0.2	0.41	0.2	0.2	0.41	0.41	0.2	0.2	0.2	0.41	0.2
T-513		0.2	0.39	0.78	0.2	0.2	0.2	0.2	0.39	0.2	0.39	0.2	0.2	0.39	0.39	0.2	0.2	0.2	0.39	0.2
T-514		0.2	0.4	0.81	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.4	0.2

Sample ID	Compound	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether	1,2-Dichloropropane	1,4 Dioxane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	4-Methyl-2-pentanone (MIBK)	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane
	CAS	74-97-5	96-33-3	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5	994-05-8	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
	MW	129.4	86.1	74.1	113	133.4	111	153.8	102.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113
Data Used (ug/m3)																				
T-101		<4.24E-01	<5.47E-01	<9.56E-01	<3.70E-01	<4.37E-01	<3.63E-01	<5.03E-01	<6.49E-01	<3.70E-01	<5.60E-01	<5.69E-01	<5.36E-01	<6.36E-01	<6.37E-01	<3.63E-01	<3.63E-01	<4.37E-01	<7.26E-01	<3.70E-01
T-102		<4.26E-01	<5.50E-01	<9.61E-01	<3.72E-01	<4.39E-01	<3.65E-01	<5.06E-01	<6.53E-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
T-103		<4.19E-01	<5.41E-01	<9.46E-01	<3.66E-01	<4.32E-01	<3.60E-01	<4.98E-01	<6.43E-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
T-104		<4.20E-01	<5.42E-01	<9.48E-01	<3.67E-01	<4.33E-01	<3.60E-01	<4.99E-01	<6.44E-01	<3.67E-01	<5.55E-01	<5.64E-01	<5.31E-01	<6.30E-01	<6.31E-01	<3.60E-01	<3.60E-01	<4.33E-01	<7.19E-01	<3.67E-01
T-105		<4.28E-01	<5.53E-01	<9.66E-01	<3.74E-01	<4.41E-01	<3.67E-01	<5.09E-01	<6.56E-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
T-106		<4.26E-01	<5.50E-01	<9.61E-01	<3.72E-01	<4.39E-01	<3.65E-01	<5.06E-01	<6.53E-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
T-107		<4.26E-01	<5.50E-01	<9.61E-01	<3.72E-01	<4.39E-01	<3.65E-01	<5.06E-01	<6.53E-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
T-108		<4.30E-01	<5.55E-01	<9.69E-01	<3.75E-01	<4.43E-01	<3.68E-01	<5.11E-01	<6.59E-01	<3.75E-01	<5.68E-01	<5.77E-01	<5.44E-01	<6.45E-01	<6.46E-01	<3.68E-01	<3.68E-01	<4.43E-01	<7.36E-01	<3.75E-01
T-109		<4.31E-01	<5.57E-01	<9.73E-01	<3.76E-01	<4.44E-01	<3.70E-01	<5.12E-01	<6.61E-01	<3.76E-01	<5.70E-01	<5.79E-01	<5.46E-01	<6.47E-01	<6.48E-01	<3.70E-01	<3.70E-01	<4.44E-01	<7.39E-01	<3.76E-01
T-110		<4.27E-01	<5.52E-01	<9.64E-01	<3.73E-01	<4.40E-01	<3.67E-01	<5.08E-01	<6.55E-01	<3.73E-01	<5.65E-01	<5.74E-01	<5.41E-01	<6.42E-01	<6.42E-01	<3.67E-01	<3.67E-01	<4.40E-01	<7.32E-01	<3.73E-01
T-111		<4.27E-01	<5.51E-01	<9.63E-01	<3.72E-01	<4.40E-01	<3.66E-01	<5.07E-01	<6.54E-01	<3.72E-01	<5.64E-01	<5.73E-01	<5.40E-01	<6.40E-01	<6.41E-01	<3.66E-01	<3.66E-01	<4.40E-01	<7.31E-01	<3.72E-01
T-112		<4.25E-01	<5.49E-01	<9.59E-01	<3.71E-01	<4.38E-01	<3.65E-01	<5.05E-01	<6.52E-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
T-113		<4.25E-01	<5.49E-01	<9.59E-01	<3.71E-01	<4.38E-01	<3.65E-01	<5.05E-01	<6.52E-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
T-114		<4.56E-01	<5.88E-01	<1.03E+0(	<3.98E-01	<4.70E-01	<3.91E-01	<5.41E-01	<6.98E-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
T-201		<4.37E-01	<5.64E-01	<9.85E-01	<3.81E-01	<4.50E-01	<3.74E-01	<5.19E-01	<6.69E-01	<3.81E-01	<5.77E-01	<5.86E-01	<5.53E-01	<6.56E-01	<6.56E-01	<3.74E-01	<3.74E-01	<4.50E-01	<7.48E-01	<3.81E-01
T-202		<4.44E-01	<5.73E-01	<1.00E+0(	<3.88E-01	<4.58E-01	<3.81E-01	<5.27E-01	<6.80E-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
T-203		<4.41E-01	<5.69E-01	<9.94E-01	<3.85E-01	<4.54E-01	<3.78E-01	<5.24E-01	<6.75E-01	<3.85E-01	<5.82E-01	<5.92E-01	<5.58E-01	<6.62E-01	<6.62E-01	<3.78E-01	<3.78E-01	<4.54E-01	<7.55E-01	<3.85E-01
T-204		<4.40E-01	<5.68E-01	<9.92E-01	<3.84E-01	<4.53E-01	<3.77E-01	<5.23E-01	<6.74E-01	<3.84E-01	<5.81E-01	<5.91E-01	<5.57E-01	<6.60E-01	<6.61E-01	<3.77E-01	<3.77E-01	<4.53E-01	<7.53E-01	<3.84E-01
T-205		<4.30E-01	<5.56E-01	<9.71E-01	<3.76E-01	<4.44E-01	<3.69E-01	<5.11E-01	<6.60E-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
T-206		<4.32E-01	<5.58E-01	<9.75E-01	<3.77E-01	<4.45E-01	<3.70E-01	<5.13E-01	<6.62E-01	<3.77E-01	<5.71E-01	<5.80E-01	<5.47E-01	<6.49E-01	<6.49E-01	<3.70E-01	<3.70E-01	<4.45E-01	<7.40E-01	<3.77E-01
T-207		<4.30E-01	<5.56E-01	<9.71E-01	<3.76E-01	<4.44E-01	<3.69E-01	<5.11E-01	<6.60E-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
T-208		<4.31E-01	<5.57E-01	<9.73E-01	<3.76E-01	<4.44E-01	<3.70E-01	<5.12E-01	<6.61E-01	<3.76E-01	<5.70E-01	<5.79E-01	<5.46E-01	<6.47E-01	<6.48E-01	<3.70E-01	<3.70E-01	<4.44E-01	<7.39E-01	<3.76E-01
T-209		<4.30E-01	<5.55E-01	<9.69E-01	<3.75E-01	<4.43E-01	<3.68E-01	<5.11E-01	<6.59E-01	<3.75E-01	<5.68E-01	<5.77E-01	<5.44E-01	<6.45E-01	<6.46E-01	<3.68E-01	<3.68E-01	<4.43E-01	<7.36E-01	<3.75E-01
T-210		<4.32E-01	<5.58E-01	<9.75E-01	<3.77E-01	<4.45E-01	<3.70E-01	<5.13E-01	<6.62E-01	<3.77E-01	<5.71E-01	<5.80E-01	<5.47E-01	<6.49E-01	<6.49E-01	<3.70E-01	<3.70E-01	<4.45E-01	<7.40E-01	<3.77E-01
T-211		<4.30E-01	<5.55E-01	<9.69E-01	<3.75E-01	<4.43E-01	<3.68E-01	<5.11E-01	<6.59E-01	<3.75E-01	<5.68E-01	<5.77E-01	<5.44E-01	<6.45E-01	<6.46E-01	<3.68E-01	<3.68E-01	<4.43E-01	<7.36E-01	<3.75E-01
T-212		<4.31E-01	<5.57E-01	<9.73E-01	<3.76E-01	<4.44E-01	<3.70E-01	<5.12E-01	<6.61E-01	<3.76E-01	<5.70E-01	<5.79E-01	<5.46E-01	<6.47E-01	<6.48E-01	<3.70E-01	<3.70E-01	<4.44E-01	<7.39E-01	<3.76E-01
T-213		<4.31E-01	<5.57E-01	<9.73E-01	<3.76E-01	<4.44E-01	<3.70E-01	<5.12E-01	<6.61E-01	<3.76E-01	<5.70E-01	<5.79E-01	<5.46E-01	<6.47E-01	<6.48E-01	<3.70E-01	<3.70E-01	<4.44E-01	<7.39E-01	<3.76E-01
T-214		<4.56E-01	<5.88E-01	<1.03E+0(	<3.98E-01	<4.70E-01	<3.91E-01	<5.41E-01	<6.98E-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
T-301		<4.55E-01	<5.87E-01	<1.03E+0(	<3.97E-01	<4.69E-01	<3.90E-01	<5.40E-01	<6.97E-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
T-302		<4.56E-01	<5.89E-01	<1.03E+0(	<3.99E-01	<4.70E-01	<3.91E-01	<5.42E-01	<7.00E-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
T-303		<4.53E-01	<5.85E-01	<1.02E+0(	<3.96E-01	<4.67E-01	<3.89E-01	<5.38E-01	<6.94E-01	<3.96E-01	<5.99E-01	<6.08E-01	<5.73E-01	<6.80E-01	<6.81E-01	<3.89E-01	<3.89E-01	<4.67E-01	<7.76E-01	<3.96E-01
T-304		<4.52E-01	<5.84E-01	<1.02E+0(	<3.95E-01	<4.66E-01	<3.88E-01	<5.37E-01	<6.93E-01	<3.95E-01	<5.98E-01	<6.07E-01	<5.72E-01	<6.79E-01	<6.80E-01	<3.88E-01	<3.88E-01	<4.66E-01	<7.75E-01	<3.95E-01
T-305		<4.51E-01	<5.83E-01	<1.02E+0(	<3.94E-01	<4.65E-01	<3.87E-01	<5.36E-01	<6.92E-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
T-306		<4.50E-01	<5.82E-01	<1.02E+0(	<3.93E-01	<4.64E-01	<3.86E-01	<5.35E-01	<6.91E-01	<3.93E-01	<5.95E-01	<6.05E-01	<5.70E-01	<6.76E-01	<6.77E-01	<3.86E-01	<3.86E-01	<4.64E-01	<7.72E-01	<3.93E-01
T-307		<4.49E-01	<5.80E-01	<1.01E+0(	<3.92E-01	<4.63E-01	<3.85E-01	<5.33E-01	<6.88E-01	<3.92E-01	<5.93E-01	<6.03E-01	<5.68E-01	<6.74E-01	<6.75E-01	<3.85E-01	<3.85E-01	<4.63E-01	<7.69E-01	<3.92E-01
T-308		<4.50E-01	<5.81E-01	<1.01E+0(	<3.93E-01	<4.63E-01	<3.86E-01	<5.34E-01	<6.89E-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
T-309		<4.56E-01	<5.88E-01	<1.03E+0(	<3.98E-01	<4.70E-01	<3.91E-01	<5.41E-01	<6.98E-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
T-310		<4.56E-01	<5.89E-01	<1.03E+0(	<3.99E-01	<4.70E-01	<3.91E-01	<5.42E-01	<7.00E-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
T-311		<4.53E-01	<5.85E-01	<1.02E+0(	<3.96E-01	<4.67E-01	<3.89E-01	<5.38E-01	<6.94E-01	<3.96E-01	<5.99E-01	<6.08E-01	<5.73E-01	<6.80E-01	<6.81E-01	<3.89E-01	<3.89E-01	<4.67E-01	<7.76E-01	<3.96E-01
T-312		<4.49E-01	<5.80E-01	<1.01E+0(	<3.92E-01	<4.63E-01	<3.85E-01	<5.33E-01	<6.88E-01	<3.92E-01	<5.93E-01	<6.03E-01	<5.68E-01	<6.74E-01	<6.75E-01	<3.85E-01	<3.85E-01	<4.63E-01	<7.69E-01	<3.92E-01
T-313		<4.49E-01	<5.80E-01	<1.01E+0(	<3.92E-01	<4.63E-01	<3.85E-01	<5.33E-01	<6.88E-01	<3.92E-01	<5.93E-01	<6.03E-01	<5.68E-01	<6.74E-01	<6.75E-01	<3.85E-01	<3.85E-01	<4.63E-01	<7.69E-01	<3.92E-01
T-314		<4.56E-01	<5.88E-01	<1.03E+0(	<3.98E-01	<4.70E-01	<3.91E-01	<5.41E-01	<6.98E-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
T-401		<5.43E-01	<7.23E-01	<1.23E+0(	<4.74E-01	<5.60E-01	<4.66E-01	<6.45E-01	<8.58E-01	<4.74E-01	<7.39E-01	<7.30E-01	<6.87E-01	<8.40E-01	<8.41E-01	<4.66E-01	<4.66E-01	<5.60E-01	<9.59E-01	<4.74E-01
T-402		<5.43E-01	<7.23E-01	<1.23E+0(	<4.74E-01	<5.60E-01	<4.66E-01	<6.45E-01	<8.58E-01	<4.74E-01	<7.39E-01	<7.30E-01	<6.87E-01	<8.40E-01	<8.41E-01	<4.66E-01	<4.66E-01	<5.60E-01	<9.59E-01	<4.74E-01
T-403		<5.52E-01	<7.34E-01	<1.25E+0(	<4.82E-01	<5.69E-01	<4.73E-01	<6.56E-01	<8.71E-01	<4.82E-01	<7.51E-01	<7.41E-01	<6.98E-01	<8.53E-01	<8.54E-01	<4.73E-01	<4.73E-01	<5.69E-01	<9.73E-01	<4.82E-01
T-404		<5.44E-01	<7.06E-01	<1.23E+0(	<4.75E-01	<5.61E-01	<4.67E-01	<6.47E-01	<8.38E-01	<4.75E-01	<7.22E-01	<7.31E-01	<6.89E-01	<8.21E-01	<8.22E-01	<4.67E-01	<4.67E-01	<5.61E-01	<9.36E-01	<4.75E-01
T-405		<5.31E-01	<6.89E-01	<1.20E+0(	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01	<8.18E-01	<4.64E-01	<7.05E-01	<7.13E-01	<6.72E-01	<8.01E-01	<8.02E-01	<4.55E-01	<4.55E-01	<5.47E-01	<9.14E-01	<4.64E-01
T-406		<5.20E-01	<6.92E-01	<1.19E+0(	<4.54E-01	<5.36E-01	<4.46E-01	<6.18E-01	<8.22E-01	<4.54E-01	<7.08E-01	<6.99E-01	<6.58E-01	<8.05E-01	<8.06E-01	<4.46E-01	<4.46E-01	<5.36E-01	<9.18E-01	<4.54E-01
T-407		<5.39E-01	<7.01E-01	<1.21E+0(	<4.71E-01	<5.56E-01	<4.63E-01	<6.41E-01	<8.32E-01	<4.71E-01	<7.17E-01	<7.24E-01	<6.83E-01	<8.14E-01	<8.15E-01	<4.63E-01	<4.63E-01	<5.56E-01	<9.29E-01	<4.71E-01
T-408		<5.29E-01	<7.21E-01	<1.23E+0(	<4.62E-01	<5.45E-01	<4.54E-01	<6.29E-01	<8.56E-01	<4.62E-01	<7.38E-01	<7.11E-01	<6.70E-01	<8.39E-01	<8.40E-01	<4.54E-01	<4.54E-01	<5.45E-01	<9.57E-01	<4.62E-01
T-409		<5.37E-01	<6.98E-01	<1.22E+0(	<4.69E-01	<5.54E-01	<4.61E-01	<6.39E-01	<8.29E-01	<4.69E-01	<7.14E-01	<7.22E-01	<6.80E-01	<8.12E-01	<8.12E-01	<4.61E-01	<4.61E-01	<5.54E-01	<9.26E-01	<4.69E-01
T-410		<5.46E-01	<7.10E-01	<1.22E+0(	<4.77E-01	<5.63E-01	<4.69E-01	<6.49E-01	<8.42E-01	<4.77E-01	<7.26E-01	<7.34E-01	<6.91E-01	<8.25E-01	<8.26E-01	<4.69E-01	<4.69E-01	<5.63E-01	<9.41E-01	<4.77E-01
T-411		<5.33E-01	<6.92E-01	<1.19E+0(	<4.65E-01	<5.49E-01	<4.57E-01	<6.33E-01	<8.21E-01	<4.65E-01	<7.08E-01	<7.15E-01	<6.74E-01	<8.04E-01	<8.05E-01	<4.57E-01	<4.57E-01	<5.49E-01	<9.18E-01	<4.65E-01
T-412		<5.16E-01	<6.87E-01	<1.17E+0(	<4.51E-01	<5.32E-01	<4.43E-01	<6.14E-01	<8.16E-01	<4.51E-01	<7.03E-01	<6.94E-01	<6.54E-01	<7.99E-01	<8.00E-01	<4.43E-01	<4.43E-01	<5.32E-01	<9.11E-01	<4.51E-01
T-413		<5.68E-01	<7.56E-01	<1.30E+0(	<4.96E-01	<5.86E-01	<4.87E-01	<6.75E-01	<8.97E-01	<4.96E-01	<7.73E-01	<7.63E-01	<7.19E-01	<8.79E-01	<8.80E-01	<4.87E-01	<4.87E-01	<5.86E-01	<1.00E+0(	<4.96E-01
T-414		<5.09E-01	<6.95E-01	<1.18E+0(	<4.45E-01	<5.25E-01	<4.37E-01	<6.05E-01	<8.25E-01	<4.45E-01	<7.11E-01	<6.84E-01	<6.44E-01	<8.08E-01	<8.09E-01	<4.37E-01	<4.37E-01	<5.25E-01	<9.22E-01	<4.45E-01
T-501		<5.56E-01	<7.40E-01	<1.26E+0(	<4.85E-01	<5.73E-01	<4.77E-01	<6.61E-01	<8.78E-01	<4.85E-01	<7.57E-01	<7.47E-01	<7.04E-01	<8.60E-01	<8.61E-01	<4.77E-01	<4.77E-01	<5.73E-01	<9.81E-01	<4.85E-01
T-502		<5.49E-01	<7.13E-01	<1.24E+0(	<4.80E-01	<5.66E-01	<4.71E-01	<6.53E-01	<8.46E-01	<4.80E-01	<7.29E-01	<7.38E-01	<6.95E-01	<8.29E-01	<8.30E-01	<4.71E-01	<4.71E-01	<5.66E-01	<9.45E-01	<4.80E-01
T-503		<5.53E-01	<7.35E-01	<1.27E+0(	<4.83E-01	<5.70E-01	<4.74E-01	<6.57E-01	<8.73E-01	<4.83E-01	<7.52E-01	<7.42E-01	<6.99E-01	<8.55E-01	<8.56E-01	<4.74E-01	<4.74E-01	<5.70E-01	<9.75E-01	<4.83E-01
T-504		<5.49E-01	<7.49E-01	<1.27E+0(	<4.80E-01	<5.66E-01	<4.71E-01	<6.53E-01	<8.90E-01	<4.80E-01	<7.67E-01	<7.38E-01	<6.95E-01	<8.71E-01	<8.72E-01	<4.71E-01	<4.71E-01	<5.66E-01	<9.94E-01	<4.80E-01
T-505		<5.63E-01	<7.31E-01	<1.27E+0(	<4.91E-01	<5.80E-01	<4.83E-01	<6.69E-01	<8.68E-01	<4.91E-01	<7.48E-01	<7.56E-01	<7.12E-01	<8.50E-01	<8.51E-01	<4.83E-01	<4.83E-01	<5.80E-01	<9.70E-01	<4.91E-01
T-506		<5.37E-01	<7.15E-01	<1.23E+0(	<4.69E-01	<5.54E-01	<4.61E-01	<6.38E-01	<8.48E-01	<4.69E-01	<7.31E-01	<7.21E-01	<6.80E-01	<8.31E-01	<8.32E-01	<4.61E-01	<4.61E-01	<5.54E-01	<9.48E-01	<4.69E-01
T-507		<5.68E-01	<7.38E-01	<1.27E+0(	<4.96E-01	<5.86E-01	<4.87E-01	<6.75E-01	<8.76E-01	<4.96E-01	<7.55E-01	<7.63E-01	<7.19E-01	<8.58E-01	<8.59E-01	<4.87E-01	<4.87E-01	<5.86E-01	<9.79E-01	<4.96E-01
T-508		<5.39E-01	<7.17E-01	<1.23E+0(	<4.71E-01	<5.56E-01	<4.62E-01	<6.41E-01	<8.51E-01	<4.71E-01	<7.34E-01	<7.24E-01	<6.82E-01	<8.34E-01	<8.35E-01	<4.62E-01	<4.62E-01	<5.56E-01	<9.51E-01	<4.71E-01
T-509		<6.12E-01	<7.96E-01	<1.39E+0(	<5.34E-01	<6.31E-01	<5.25E-01	<7.27E-01	<9.45E-01	<5.34E-01	<8.15E-01	<8.22E-01	<7.74E-01	<9.26E-01	<9.27E-01	<5.25E-01	<5.25E-01	<6.31E-01	<1.06E+0(	<5.34E-01
T-510		<5.06E-01	<6.91E-01	<1.17E+0(	<4.42E-01	<5.22E-01	<4.34E-01	<6.02E-01	<8.21E-01	<4.42E-01	<7.07E-01	<6.80E-01	<6.41E-01	<8.04E-01	<8.05E-01	<4.34E-01	<4.34E-01	<5.22E-01	<9.17E-01	<4.42E-01
T-511		<5.51E-01	<7.34E-01	<1.28E+0(	<4.81E-01	<5.68E-01	<4.73E-01	<6.55E-01	<8.71E-01	<4.81E-01	<7.51E-01	<7.41E-01	<6.98E-01	<8.53E-01	<8.54E-01	<4.73E-01	<4.73E-01	<5.68E-01	<9.73E-01	<4.81E-01
T-512		<5.27E-01	<7.19E-01	<1.22E+0(	<4.60E-01	<5.43E-01	<4.52E-01	<6.26E-01	<8.53E-01	<4.60E-01	<7.35E-01	<7.08E-01	<6.67E-01	<8.36E-01	<8.36E-01	<4.52E-01	<4.52E-01	<5.43E-01	<9.53E-01	<4.60E-01
T-513		<5.27E-01	<6.84E-01	<1.18E+0(	<4.60E-01	<5.43E-01	<4.52E-01	<6.26E-01	<8.12E-01	<4.60E-01	<7.00E-01	<7.08E-01	<6.67E-01	<7.95E-01	<7.96E-01	<4.52E-01	<4.52E-01	<5.43E-01	<9.07E-01	<4.60E-01
T-514		<5.36E-01	<7.13E-01	<1.24E+0(	<4.68E-01	<5.52E-01	<4.60E-01	<6.37E-01	<8.47E-01	<4.68E-01	<7.30E-01	<7.20E-01	<6.78E-01	<8.29E-01	<8.30E-01	<4.60E-01	<4.60E-01	<5.52E-01	<9.46E-01	<4.68E-01

Sample ID	Compound	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether	1,2-Dichloropropane	1,4 Dioxane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	4-Methyl-2-pentanone (MIBK)	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane
	CAS	74-97-5	96-33-3	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5	994-05-8	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
	MW	129.4	86.1	74.1	113	133.4	111	153.8	102.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113
Flux (mg/m2-min)																				
T-101		<2.42E-05	<3.12E-05	<5.46E-05	<2.11E-05	<2.49E-05	<2.07E-05	<2.87E-05	<3.71E-05	<2.11E-05	<3.20E-05	<3.25E-05	<3.06E-05	<3.63E-05	<3.63E-05	<2.07E-05	<2.07E-05	<2.49E-05	<4.14E-05	<2.11E-05
T-102		<1.82E-05	<2.34E-05	<4.10E-05	<1.59E-05	<1.87E-05	<1.56E-05	<2.16E-05	<2.78E-05	<1.59E-05	<2.40E-05	<2.44E-05	<2.30E-05	<2.73E-05	<2.73E-05	<1.56E-05	<1.56E-05	<1.87E-05	<3.11E-05	<1.59E-05
T-103		<4.88E-05	<6.31E-05	<1.10E-04	<4.27E-05	<5.04E-05	<4.19E-05	<5.81E-05	<7.49E-05	<4.27E-05	<6.45E-05	<6.56E-05	<6.18E-05	<7.33E-05	<7.34E-05	<4.19E-05	<4.19E-05	<5.04E-05	<8.37E-05	<4.27E-05
T-104		<5.26E-05	<6.79E-05	<1.19E-04	<4.59E-05	<5.42E-05	<4.51E-05	<6.25E-05	<8.06E-05	<4.59E-05	<6.95E-05	<7.07E-05	<6.66E-05	<7.90E-05	<7.91E-05	<4.51E-05	<4.51E-05	<5.42E-05	<9.01E-05	<4.59E-05
T-105		<1.65E-05	<2.13E-05	<3.72E-05	<1.44E-05	<1.70E-05	<1.41E-05	<1.96E-05	<2.52E-05	<1.44E-05	<2.18E-05	<2.21E-05	<2.08E-05	<2.47E-05	<2.47E-05	<1.41E-05	<1.41E-05	<1.70E-05	<2.82E-05	<1.44E-05
T-106		<1.94E-05	<2.50E-05	<4.37E-05	<1.69E-05	<2.00E-05	<1.66E-05	<2.30E-05	<2.97E-05	<1.69E-05	<2.56E-05	<2.60E-05	<2.45E-05	<2.91E-05	<2.91E-05	<1.66E-05	<1.66E-05	<2.00E-05	<3.32E-05	<1.69E-05
T-107		<4.53E-05	<5.85E-05	<1.02E-04	<3.96E-05	<4.67E-05	<3.89E-05	<5.38E-05	<6.94E-05	<3.96E-05	<5.99E-05	<6.08E-05	<5.73E-05	<6.80E-05	<6.81E-05	<3.89E-05	<3.89E-05	<4.67E-05	<7.76E-05	<3.96E-05
T-108		<7.36E-05	<9.50E-05	<1.66E-04	<6.42E-05	<7.58E-05	<6.31E-05	<8.74E-05	<1.13E-04	<6.42E-05	<9.72E-05	<9.88E-05	<9.31E-05	<1.10E-04	<1.11E-04	<6.31E-05	<6.31E-05	<7.58E-05	<1.26E-04	<6.42E-05
T-109		<1.89E-05	<2.44E-05	<4.27E-05	<1.65E-05	<1.95E-05	<1.62E-05	<2.25E-05	<2.90E-05	<1.65E-05	<2.50E-05	<2.54E-05	<2.39E-05	<2.84E-05	<2.84E-05	<1.62E-05	<1.62E-05	<1.95E-05	<3.24E-05	<1.65E-05
T-110		<1.64E-05	<2.12E-05	<3.71E-05	<1.44E-05	<1.69E-05	<1.41E-05	<1.95E-05	<2.52E-05	<1.44E-05	<2.17E-05	<2.21E-05	<2.08E-05	<2.47E-05	<2.47E-05	<1.41E-05	<1.41E-05	<1.69E-05	<2.82E-05	<1.44E-05
T-111		<7.24E-05	<9.35E-05	<1.63E-04	<6.32E-05	<7.46E-05	<6.21E-05	<8.61E-05	<1.11E-04	<6.32E-05	<9.57E-05	<9.73E-05	<9.16E-05	<1.09E-04	<1.09E-04	<6.21E-05	<6.21E-05	<7.46E-05	<1.24E-04	<6.32E-05
T-112		<3.90E-05	<5.04E-05	<8.81E-05	<3.41E-05	<4.03E-05	<3.35E-05	<4.64E-05	<5.99E-05	<3.41E-05	<5.16E-05	<5.25E-05	<4.94E-05	<5.86E-05	<5.87E-05	<3.35E-05	<3.35E-05	<4.03E-05	<6.69E-05	<3.41E-05
T-113		<3.51E-05	<4.54E-05	<7.93E-05	<3.07E-05	<3.62E-05	<3.01E-05	<4.17E-05	<5.38E-05	<3.07E-05	<4.64E-05	<4.72E-05	<4.45E-05	<5.27E-05	<5.28E-05	<3.01E-05	<3.01E-05	<3.62E-05	<6.02E-05	<3.07E-05
T-114		<1.75E-05	<2.26E-05	<3.95E-05	<1.53E-05	<1.81E-05	<1.50E-05	<2.08E-05	<2.69E-05	<1.53E-05	<2.32E-05	<2.35E-05	<2.22E-05	<2.63E-05	<2.63E-05	<1.50E-05	<1.50E-05	<1.81E-05	<3.00E-05	<1.53E-05
T-201		<2.65E-05	<3.42E-05	<5.98E-05	<2.31E-05	<2.73E-05	<2.27E-05	<3.15E-05	<4.06E-05	<2.31E-05	<3.50E-05	<3.56E-05	<3.35E-05	<3.98E-05	<3.98E-05	<2.27E-05	<2.27E-05	<2.73E-05	<4.54E-05	<2.31E-05
T-202		<3.35E-05	<4.33E-05	<7.57E-05	<2.93E-05	<3.46E-05	<2.88E-05	<3.99E-05	<5.14E-05	<2.93E-05	<4.43E-05	<4.51E-05	<4.25E-05	<5.04E-05	<5.04E-05	<2.88E-05	<2.88E-05	<3.46E-05	<5.75E-05	<2.93E-05
T-203		<2.10E-05	<2.71E-05	<4.74E-05	<1.83E-05	<2.16E-05	<1.80E-05	<2.49E-05	<3.22E-05	<1.83E-05	<2.77E-05	<2.82E-05	<2.66E-05	<3.15E-05	<3.15E-05	<1.80E-05	<1.80E-05	<2.16E-05	<3.60E-05	<1.83E-05
T-204		<2.59E-05	<3.35E-05	<5.85E-05	<2.26E-05	<2.67E-05	<2.22E-05	<3.08E-05	<3.97E-05	<2.26E-05	<3.43E-05	<3.48E-05	<3.28E-05	<3.89E-05	<3.90E-05	<2.22E-05	<2.22E-05	<2.67E-05	<4.44E-05	<2.26E-05
T-205		<1.66E-05	<2.15E-05	<3.75E-05	<1.45E-05	<1.71E-05	<1.42E-05	<1.97E-05	<2.55E-05	<1.45E-05	<2.20E-05	<2.23E-05	<2.10E-05	<2.49E-05	<2.50E-05	<1.42E-05	<1.42E-05	<1.71E-05	<2.85E-05	<1.45E-05
T-206		<1.66E-05	<2.15E-05	<3.75E-05	<1.45E-05	<1.71E-05	<1.42E-05	<1.97E-05	<2.55E-05	<1.45E-05	<2.20E-05	<2.23E-05	<2.10E-05	<2.49E-05	<2.50E-05	<1.42E-05	<1.42E-05	<1.71E-05	<2.85E-05	<1.45E-05
T-207		<1.66E-05	<2.14E-05	<3.74E-05	<1.45E-05	<1.71E-05	<1.42E-05	<1.97E-05	<2.54E-05	<1.45E-05	<2.19E-05	<2.22E-05	<2.10E-05	<2.49E-05	<2.49E-05	<1.42E-05	<1.42E-05	<1.71E-05	<2.84E-05	<1.45E-05
T-208		<1.66E-05	<2.14E-05	<3.74E-05	<1.45E-05	<1.71E-05	<1.42E-05	<1.97E-05	<2.54E-05	<1.45E-05	<2.19E-05	<2.23E-05	<2.10E-05	<2.49E-05	<2.49E-05	<1.42E-05	<1.42E-05	<1.71E-05	<2.84E-05	<1.45E-05
T-209		<1.82E-05	<2.36E-05	<4.12E-05	<1.59E-05	<1.88E-05	<1.56E-05	<2.17E-05	<2.80E-05	<1.59E-05	<2.41E-05	<2.45E-05	<2.31E-05	<2.74E-05	<2.74E-05	<1.56E-05	<1.56E-05	<1.88E-05	<3.12E-05	<1.59E-05
T-210		<1.66E-05	<2.15E-05	<3.75E-05	<1.45E-05	<1.71E-05	<1.42E-05	<1.97E-05	<2.55E-05	<1.45E-05	<2.20E-05	<2.23E-05	<2.10E-05	<2.49E-05	<2.50E-05	<1.42E-05	<1.42E-05	<1.71E-05	<2.85E-05	<1.45E-05
T-211		<1.65E-05	<2.13E-05	<3.73E-05	<1.44E-05	<1.70E-05	<1.42E-05	<1.96E-05	<2.53E-05	<1.44E-05	<2.18E-05	<2.22E-05	<2.09E-05	<2.48E-05	<2.48E-05	<1.42E-05	<1.42E-05	<1.70E-05	<2.83E-05	<1.44E-05
T-212		<2.96E-05	<3.82E-05	<6.68E-05	<2.58E-05	<3.05E-05	<2.54E-05	<3.52E-05	<4.54E-05	<2.58E-05	<3.91E-05	<3.98E-05	<3.75E-05	<4.44E-05	<4.45E-05	<2.54E-05	<2.54E-05	<3.05E-05	<5.07E-05	<2.58E-05
T-213		<2.54E-05	<3.29E-05	<5.74E-05	<2.22E-05	<2.62E-05	<2.18E-05	<3.02E-05	<3.90E-05	<2.22E-05	<3.36E-05	<3.42E-05	<3.22E-05	<3.82E-05	<3.82E-05	<2.18E-05	<2.18E-05	<2.62E-05	<4.36E-05	<2.22E-05
T-214		<1.75E-05	<2.26E-05	<3.95E-05	<1.53E-05	<1.81E-05	<1.50E-05	<2.08E-05	<2.69E-05	<1.53E-05	<2.32E-05	<2.35E-05	<2.22E-05	<2.63E-05	<2.63E-05	<1.50E-05	<1.50E-05	<1.81E-05	<3.00E-05	<1.53E-05
T-301		<1.98E-05	<2.56E-05	<4.48E-05	<1.73E-05	<2.05E-05	<1.70E-05	<2.36E-05	<3.04E-05	<1.73E-05	<2.62E-05	<2.67E-05	<2.51E-05	<2.98E-05	<2.98E-05	<1.70E-05	<1.70E-05	<2.05E-05	<3.40E-05	<1.73E-05
T-302		<3.32E-05	<4.29E-05	<7.49E-05	<2.90E-05	<3.42E-05	<2.85E-05	<3.94E-05	<5.09E-05	<2.90E-05	<4.39E-05	<4.46E-05	<4.20E-05	<4.98E-05	<4.99E-05	<2.85E-05	<2.85E-05	<3.42E-05	<5.69E-05	<2.90E-05
T-303		<2.06E-05	<2.67E-05	<4.66E-05	<1.80E-05	<2.13E-05	<1.77E-05	<2.45E-05	<3.16E-05	<1.80E-05	<2.73E-05	<2.77E-05	<2.61E-05	<3.10E-05	<3.10E-05	<1.77E-05	<1.77E-05	<2.13E-05	<3.54E-05	<1.80E-05
T-304		<1.74E-05	<2.25E-05	<3.92E-05	<1.52E-05	<1.79E-05	<1.49E-05	<2.07E-05	<2.67E-05	<1.52E-05	<2.30E-05	<2.34E-05	<2.20E-05	<2.61E-05	<2.61E-05	<1.49E-05	<1.49E-05	<1.79E-05	<2.98E-05	<1.52E-05
T-305		<1.74E-05	<2.24E-05	<3.92E-05	<1.52E-05	<1.79E-05	<1.49E-05	<2.06E-05	<2.66E-05	<1.52E-05	<2.29E-05	<2.33E-05	<2.20E-05	<2.61E-05	<2.61E-05	<1.49E-05	<1.49E-05	<1.79E-05	<2.97E-05	<1.52E-05
T-306		<1.73E-05	<2.24E-05	<3.91E-05	<1.51E-05	<1.79E-05	<1.49E-05	<2.06E-05	<2.66E-05	<1.51E-05	<2.29E-05	<2.33E-05	<2.19E-05	<2.60E-05	<2.60E-05	<1.49E-05	<1.49E-05	<1.79E-05	<2.97E-05	<1.51E-05
T-307		<1.73E-05	<2.23E-05	<3.90E-05	<1.51E-05	<1.78E-05	<1.48E-05	<2.05E-05	<2.65E-05	<1.51E-05	<2.28E-05	<2.32E-05	<2.18E-05	<2.59E-05	<2.59E-05	<1.48E-05	<1.48E-05	<1.78E-05	<2.96E-05	<1.51E-05
T-308		<1.87E-05	<2.41E-05	<4.21E-05	<1.63E-05	<1.92E-05	<1.60E-05	<2.22E-05	<2.86E-05	<1.63E-05	<2.47E-05	<2.51E-05	<2.36E-05	<2.80E-05	<2.80E-05	<1.60E-05	<1.60E-05	<1.92E-05	<3.20E-05	<1.63E-05
T-309		<4.83E-05	<6.24E-05	<1.09E-04	<4.22E-05	<4.98E-05	<4.15E-05	<5.75E-05	<7.41E-05	<4.22E-05	<6.39E-05	<6.49E-05	<6.12E-05	<7.26E-05	<7.27E-05	<4.15E-05	<4.15E-05	<4.98E-05	<8.28E-05	<4.22E-05
T-310		<2.50E-05	<3.22E-05	<5.63E-05	<2.18E-05	<2.57E-05	<2.14E-05	<2.97E-05	<3.83E-05	<2.18E-05	<3.30E-05	<3.35E-05	<3.16E-05	<3.75E-05	<3.75E-05	<2.14E-05	<2.14E-05	<2.57E-05	<4.27E-05	<2.18E-05
T-311		<3.42E-05	<4.42E-05	<7.72E-05	<2.99E-05	<3.53E-05	<2.94E-05	<4.07E-05	<5.25E-05	<2.99E-05	<4.52E-05	<4.60E-05	<4.33E-05	<5.14E-05	<5.14E-05	<2.94E-05	<2.94E-05	<3.53E-05	<5.86E-05	<2.99E-05
T-312		<2.25E-05	<2.90E-05	<5.07E-05	<1.96E-05	<2.32E-05	<1.93E-05	<2.67E-05	<3.45E-05	<1.96E-05	<2.97E-05	<3.02E-05	<2.85E-05	<3.38E-05	<3.38E-05	<1.93E-05	<1.93E-05	<2.32E-05	<3.85E-05	<1.96E-05
T-313		<1.92E-05	<2.48E-05	<4.34E-05	<1.68E-05	<1.98E-05	<1.65E-05	<2.28E-05	<2.95E-05	<1.68E-05	<2.54E-05	<2.58E-05	<2.43E-05	<2.88E-05	<2.89E-05	<1.65E-05	<1.65E-05	<1.98E-05	<3.29E-05	<1.68E-05
T-314		<1.75E-05	<2.26E-05	<3.95E-05	<1.53E-05	<1.81E-05	<1.50E-05	<2.08E-05	<2.69E-05	<1.53E-05	<2.32E-05	<2.35E-05	<2.22E-05	<2.63E-05	<2.63E-05	<1.50E-05	<1.50E-05	<1.81E-05	<3.00E-05	<1.53E-05
T-401		<2.09E-05	<2.78E-05	<4.72E-05	<1.82E-05	<2.15E-05	<1.79E-05	<2.48E-05	<3.30E-05	<1.82E-05	<2.84E-05	<2.81E-05	<2.64E-05	<3.23E-05	<3.23E-05	<1.79E-05	<1.79E-05	<2.15E-05	<3.69E-05	<1.82E-05
T-402		<2.79E-05	<3.71E-05	<6.31E-05	<2.44E-05	<2.88E-05	<2.39E-05	<3.32E-05	<4.41E-05	<2.44E-05	<3.80E-05	<3.75E-05	<3.53E-05	<4.32E-05	<4.32E-05	<2.39E-05	<2.39E-05	<2.88E-05	<4.92E-05	<2.44E-05
T-403		<5.14E-05	<6.83E-05	<1.16E-04	<4.49E-05	<5.29E-05	<4.41E-05	<6.10E-05	<8.11E-05	<4.49E-05	<6.99E-05	<6.90E-05	<6.50E-05	<7.95E-05	<7.95E-05	<4.41E-05	<4.41E-05	<5.29E-05	<9.07E-05	<4.49E-05
T-404		<2.67E-05	<3.46E-05	<6.03E-05	<2.33E-05	<2.75E-05	<2.29E-05	<3.17E-05	<4.11E-05	<2.33E-05	<3.54E-05	<3.58E-05	<3.38E-05	<4.02E-05	<4.03E-05	<2.29E-05	<2.29E-05	<2.75E-05	<4.59E-05	<2.33E-05
T-405		<2.63E-05	<3.42E-05	<5.96E-05	<2.30E-05	<2.72E-05	<2.26E-05	<3.13E-05	<4.06E-05	<2.30E-05	<3.50E-05	<3.54E-05	<3.33E-05	<3.97E-05	<3.98E-05	<2.26E-05	<2.26E-05	<2.72E-05	<4.53E-05	<2.30E-05
T-406		<2.66E-05	<3.54E-05	<6.10E-05	<2.32E-05	<2.74E-05	<2.28E-05	<3.16E-05	<4.20E-05	<2.32E-05	<3.62E-05	<3.58E-05	<3.37E-05	<4.12E-05	<4.12E-05	<2.28E-05	<2.28E-05	<2.74E-05	<4.70E-05	<2.32E-05
T-407		<4.32E-05	<5.61E-05	<9.65E-05	<3.77E-05	<4.45E-05	<3.70E-05	<5.13E-05	<6.65E-05	<3.77E-05	<5.74E-05	<5.80E-05	<5.46E-05	<6.52E-05	<6.52E-05	<3.70E-05	<3.70E-05	<4.45E-05	<7.43E-05	<3.77E-05
T-408		<2.03E-05	<2.77E-05	<4.72E-05	<1.78E-05	<2.10E-05	<1.75E-05	<2.42E-05	<3.29E-05	<1.78E-05	<2.84E-05	<2.73E-05	<2.58E-05	<3.23E-05	<3.23E-05	<1.75E-05	<1.75E-05	<2.10E-05	<3.68E-05	<1.78E-05
T-409		<2.54E-05	<3.30E-05	<5.76E-05	<2.22E-05	<2.62E-05	<2.18E-05	<3.02E-05	<3.92E-05	<2.22E-05	<3.38E-05	<3.42E-05	<3.22E-05	<3.84E-05	<3.85E-05	<2.18E-05	<2.18E-05	<2.62E-05	<4.38E-05	<2.22E-05
T-410		<3.17E-05	<4.12E-05	<7.08E-05	<2.77E-05	<3.27E-05	<2.72E-05	<3.77E-05	<4.89E-05	<2.77E-05	<4.21E-05	<4.26E-05	<4.01E-05	<4.78E-05	<4.79E-05	<2.72E-05	<2.72E-05	<3.27E-05	<5.46E-05	<2.77E-05
T-411		<4.05E-05	<5.26E-05	<9.05E-05	<3.53E-05	<4.17E-05	<3.47E-05	<4.81E-05	<6.24E-05	<3.53E-05	<5.38E-05	<5.43E-05	<5.12E-05	<6.11E-05	<6.12E-05	<3.47E-05	<3.47E-05	<4.17E-05	<6.97E-05	<3.53E-05
T-412		<1.99E-05	<2.64E-05	<4.49E-05	<1.73E-05	<2.05E-05	<1.70E-05	<2.36E-05	<3.14E-05	<1.73E-05	<2.70E-05	<2.67E-05	<2.51E-05	<3.07E-05	<3.08E-05	<1.70E-05	<1.70E-05	<2.05E-05	<3.51E-05	<1.73E-05
T-413		<2.18E-05	<2.91E-05	<5.00E-05	<1.91E-05	<2.25E-05	<1.87E-05	<2.60E-05	<3.45E-05	<1.91E-05	<2.97E-05	<2.93E-05	<2.77E-05	<3.38E-05	<3.38E-05	<1.87E-05	<1.87E-05	<2.25E-05	<3.86E-05	<1.91E-05
T-414		<1.96E-05	<2.67E-05	<4.54E-05	<1.71E-05	<2.02E-05	<1.68E-05	<2.33E-05	<3.17E-05	<1.71E-05	<2.74E-05	<2.63E-05	<2.48E-05	<3.11E-05	<3.11E-05	<1.68E-05	<1.68E-05	<2.02E-05	<3.55E-05	<1.71E-05
T-501		<1.41E-04	<1.88E-04	<3.20E-04	<1.24E-04	<1.46E-04	<1.21E-04	<1.68E-04	<2.23E-04	<1.24E-04	<1.93E-04	<1.90E-04	<1.79E-04	<2.19E-04	<2.19E-04	<1.21E-04	<1.21E-04	<1.46E-04	<2.50E-04	<1.24E-04
T-502		<4.13E-05	<5.36E-05	<9.35E-05	<3.61E-05	<4.26E-05	<3.55E-05	<4.91E-05	<6.37E-05	<3.61E-05	<5.49E-05	<5.55E-05	<5.23E-05	<6.23E-05	<6.24E-05	<3.55E-05	<3.55E-05	<4.26E-05	<7.11E-05	<3.61E-05
T-503		<8.12E-05	<1.08E-04	<1.86E-04	<7.09E-05	<8.37E-05	<6.97E-05	<9.65E-05	<1.28E-04	<7.09E-05	<1.11E-04	<1.09E-04	<1.03E-04	<1.26E-04	<1.26E-04	<6.97E-05	<6.97E-05	<8.37E-05	<1.43E-04	<7.09E-05
T-504		<4.32E-05	<5.89E-05	<1.00E-04	<3.77E-05	<4.45E-05	<3.71E-05	<5.14E-05	<7.00E-05	<3.77E-05	<6.03E-05	<5.80E-05	<5.47E-05	<6.85E-05	<6.86E-05	<3.71E-05	<3.71E-05	<4.45E-05	<7.82E-05	<3.77E-05
T-505		<3.02E-05	<3.92E-05	<6.83E-05	<2.63E-05	<3.11E-05	<2.59E-05	<3.58E-05	<4.65E-05	<2.63E-05	<4.01E-05	<4.05E-05	<3.82E-05	<4.56E-05	<4.56E-05	<2.59E-05	<2.59E-05	<3.11E-05	<5.20E-05	<2.63E-05
T-506		<2.59E-05	<3.45E-05	<5.93E-05	<2.26E-05	<2.67E-05	<2.22E-05	<3.08E-05	<4.09E-05	<2.26E-05	<3.53E-05	<3.48E-05	<3.28E-05	<4.01E-05	<4.01E-05	<2.22E-05	<2.22E-05	<2.67E-05	<4.57E-05	<2.26E-05
T-507		<2.18E-05	<2.84E-05	<4.89E-05	<1.91E-05	<2.25E-05	<1.87E-05	<2.60E-05	<3.37E-05	<1.91E-05	<2.90E-05	<2.94E-05	<2.77E-05	<3.30E-05	<3.30E-05	<1.87E-05	<1.87E-05	<2.25E-05	<3.76E-05	<1.91E-05
T-508		<2.86E-05	<3.80E-05	<6.54E-05	<2.49E-05	<2.94E-05	<2.45E-05	<3.39E-05	<4.51E-05	<2.49E-05	<3.89E-05	<3.84E-05	<3.62E-05	<4.42E-05	<4.42E-05	<2.45E-05	<2.45E-05	<2.94E-05	<5.04E-05	<2.49E-05
T-509		<2.35E-05	<3.06E-05	<5.33E-05	<2.05E-05	<2.43E-05	<2.02E-05	<2.80E-05	<3.64E-05	<2.05E-05	<3.13E-05	<3.16E-05	<2.98E-05	<3.56E-05	<3.56E-05	<2.02E-05	<2.02E-05	<2.43E-05	<4.06E-05	<2.05E-05
T-510		<2.34E-05	<3.20E-05	<5.43E-05	<2.04E-05	<2.41E-05	<2.01E-05	<2.78E-05	<3.79E-05	<2.04E-05	<3.27E-05	<3.14E-05	<2.96E-05	<3.72E-05	<3.72E-05	<2.01E-05	<2.01E-05	<2.41E-05	<4.24E-05	<2.04E-05
T-511		<2.16E-05	<2.87E-05	<5.01E-05	<1.89E-05	<2.23E-05	<1.85E-05	<2.57E-05	<3.41E-05	<1.89E-05	<2.94E-05	<2.90E-05	<2.73E-05	<3.34E-05	<3.34E-05	<1.85E-05	<1.85E-05	<2.23E-05	<3.81E-05	<1.89E-05
T-512		<6.37E-05	<8.68E-05	<1.48E-04	<5.56E-05	<6.56E-05	<5.46E-05	<7.57E-05	<1.03E-04	<5.56E-05	<8.89E-05	<8.55E-05	<8.06E-05	<1.01E-04	<1.01E-04	<5.46E-05	<5.46E-05	<6.56E-05	<1.15E-04	<5.56E-05
T-513		<6.02E-05	<7.81E-05	<1.34E-04	<5.26E-05	<6.21E-05	<5.16E-05	<7.16E-05	<9.27E-05	<5.26E-05	<7.99E-05	<8.09E-05	<7.62E-05	<9.08E-05	<9.09E-05	<5.16E-05	<5.16E-05	<6.21E-05	<1.04E-04	<5.26E-05
T-514		<2.06E-05	<2.74E-05	<4.78E-05	<1.80E-05	<2.12E-05	<1.77E-05	<2.45E-05	<3.26E-05	<1.80E-05	<2.81E-05	<2.77E-05	<2.61E-05	<3.19E-05	<3.19E-05	<1.77E-05	<1.77E-05	<2.12E-05	<3.64E-05	<1.80E-05

Sample ID / Compound	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene
CAS	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1
MW	208.3	187.9	112.6	167.8	252.7	167.8	147.4	125	120.2
Lab Data (ppbv)									
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene
CAS	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1
MW	208.3	187.9	112.6	167.8	252.7	167.8	147.4	125	120.2
MDL (ppbv)									
T-101	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-102	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-103	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-104	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-105	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-106	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-107	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-108	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-109	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-110	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-111	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-112	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-113	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-114	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-201	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-202	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-203	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-204	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-205	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-206	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-207	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-208	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-209	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-210	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-211	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-212	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-213	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-214	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-301	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-302	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-303	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-304	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-305	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-306	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-307	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-308	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-309	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-310	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-311	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-312	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-313	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-314	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67
T-401	0.4	0.4	0.4	0.4	0.4	0.79	0.79	0.79	0.79
T-402	0.4	0.4	0.4	0.4	0.4	0.79	0.79	0.79	0.79
T-403	0.4	0.4	0.4	0.4	0.4	0.79	0.79	0.79	0.79
T-404	0.39	0.39	0.39	0.39	0.39	0.79	0.79	0.79	0.79
T-405	0.39	0.39	0.39	0.39	0.39	0.79	0.79	0.79	0.79
T-406	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
T-407	0.41	0.41	0.41	0.41	0.41	0.82	0.82	0.82	0.82
T-408	0.41	0.41	0.41	0.41	0.41	0.81	0.81	0.81	0.81
T-409	0.41	0.41	0.41	0.41	0.41	0.83	0.83	0.83	0.83
T-410	0.41	0.41	0.41	0.41	0.41	0.82	0.82	0.82	0.82
T-411	0.41	0.41	0.41	0.41	0.41	0.82	0.82	0.82	0.82
T-412	0.4	0.4	0.4	0.4	0.4	0.79	0.79	0.79	0.79
T-413	0.44	0.44	0.44	0.44	0.44	0.88	0.88	0.88	0.88
T-414	0.39	0.39	0.39	0.39	0.39	0.77	0.77	0.77	0.77
T-501	0.4	0.4	0.4	0.4	0.4	0.79	0.79	0.79	0.79
T-502	0.39	0.39	0.39	0.39	0.39	0.79	0.79	0.79	0.79
T-503	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
T-504	0.41	0.41	0.41	0.41	0.41	0.81	0.81	0.81	0.81
T-505	0.41	0.41	0.41	0.41	0.41	0.83	0.83	0.83	0.83
T-506	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
T-507	0.41	0.41	0.41	0.41	0.41	0.82	0.82	0.82	0.82
T-508	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
T-509	0.45	0.45	0.45	0.45	0.45	0.91	0.91	0.91	0.91
T-510	0.39	0.39	0.39	0.39	0.39	0.77	0.77	0.77	0.77
T-511	0.42	0.42	0.42	0.42	0.42	0.85	0.85	0.85	0.85
T-512	0.41	0.41	0.41	0.41	0.41	0.81	0.81	0.81	0.81
T-513	0.39	0.39	0.39	0.39	0.39	0.78	0.78	0.78	0.78
T-514	0.4	0.4	0.4	0.4	0.4	0.81	0.81	0.81	0.81

Sample ID	Compound	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene
	CAS	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1
	MW	208.3	187.9	112.6	167.8	252.7	167.8	147.4	125	120.2
Data Used (ug/m3)										
T-101		<1.32E+0(	<1.19E+0(	<7.15E-01	<1.07E+0(	<1.61E+0(	<2.16E+0(	<1.90E+0(	<1.61E+0(	<1.55E+0(
T-102		<1.33E+0(	<1.20E+0(	<7.19E-01	<1.07E+0(	<1.61E+0(	<2.18E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-103		<1.31E+0(	<1.18E+0(	<7.08E-01	<1.06E+0(	<1.59E+0(	<2.14E+0(	<1.88E+0(	<1.60E+0(	<1.53E+0(
T-104		<1.31E+0(	<1.18E+0(	<7.09E-01	<1.06E+0(	<1.59E+0(	<2.15E+0(	<1.88E+0(	<1.60E+0(	<1.54E+0(
T-105		<1.34E+0(	<1.21E+0(	<7.23E-01	<1.08E+0(	<1.62E+0(	<2.19E+0(	<1.92E+0(	<1.63E+0(	<1.57E+0(
T-106		<1.33E+0(	<1.20E+0(	<7.19E-01	<1.07E+0(	<1.61E+0(	<2.18E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-107		<1.33E+0(	<1.20E+0(	<7.19E-01	<1.07E+0(	<1.61E+0(	<2.18E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-108		<1.34E+0(	<1.21E+0(	<7.26E-01	<1.08E+0(	<1.63E+0(	<2.20E+0(	<1.93E+0(	<1.64E+0(	<1.57E+0(
T-109		<1.35E+0(	<1.22E+0(	<7.28E-01	<1.09E+0(	<1.63E+0(	<2.20E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-110		<1.34E+0(	<1.20E+0(	<7.22E-01	<1.08E+0(	<1.62E+0(	<2.18E+0(	<1.92E+0(	<1.63E+0(	<1.56E+0(
T-111		<1.33E+0(	<1.20E+0(	<7.20E-01	<1.07E+0(	<1.62E+0(	<2.18E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-112		<1.33E+0(	<1.20E+0(	<7.18E-01	<1.07E+0(	<1.61E+0(	<2.17E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-113		<1.33E+0(	<1.20E+0(	<7.18E-01	<1.07E+0(	<1.61E+0(	<2.17E+0(	<1.91E+0(	<1.62E+0(	<1.56E+0(
T-114		<1.42E+0(	<1.28E+0(	<7.69E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.04E+0(	<1.73E+0(	<1.67E+0(
T-201		<1.36E+0(	<1.23E+0(	<7.37E-01	<1.10E+0(	<1.65E+0(	<2.23E+0(	<1.96E+0(	<1.66E+0(	<1.60E+0(
T-202		<1.39E+0(	<1.25E+0(	<7.50E-01	<1.12E+0(	<1.68E+0(	<2.27E+0(	<1.99E+0(	<1.69E+0(	<1.62E+0(
T-203		<1.38E+0(	<1.24E+0(	<7.44E-01	<1.11E+0(	<1.67E+0(	<2.25E+0(	<1.98E+0(	<1.68E+0(	<1.61E+0(
T-204		<1.37E+0(	<1.24E+0(	<7.43E-01	<1.11E+0(	<1.67E+0(	<2.25E+0(	<1.97E+0(	<1.67E+0(	<1.61E+0(
T-205		<1.34E+0(	<1.21E+0(	<7.27E-01	<1.08E+0(	<1.63E+0(	<2.20E+0(	<1.93E+0(	<1.64E+0(	<1.58E+0(
T-206		<1.35E+0(	<1.22E+0(	<7.29E-01	<1.09E+0(	<1.64E+0(	<2.21E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-207		<1.34E+0(	<1.21E+0(	<7.27E-01	<1.08E+0(	<1.63E+0(	<2.20E+0(	<1.93E+0(	<1.64E+0(	<1.58E+0(
T-208		<1.35E+0(	<1.22E+0(	<7.28E-01	<1.09E+0(	<1.63E+0(	<2.20E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-209		<1.34E+0(	<1.21E+0(	<7.26E-01	<1.08E+0(	<1.63E+0(	<2.20E+0(	<1.93E+0(	<1.64E+0(	<1.57E+0(
T-210		<1.35E+0(	<1.22E+0(	<7.29E-01	<1.09E+0(	<1.64E+0(	<2.21E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-211		<1.34E+0(	<1.21E+0(	<7.26E-01	<1.08E+0(	<1.63E+0(	<2.20E+0(	<1.93E+0(	<1.64E+0(	<1.57E+0(
T-212		<1.35E+0(	<1.22E+0(	<7.28E-01	<1.09E+0(	<1.63E+0(	<2.20E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-213		<1.35E+0(	<1.22E+0(	<7.28E-01	<1.09E+0(	<1.63E+0(	<2.20E+0(	<1.94E+0(	<1.64E+0(	<1.58E+0(
T-214		<1.42E+0(	<1.28E+0(	<7.69E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.04E+0(	<1.73E+0(	<1.67E+0(
T-301		<1.42E+0(	<1.28E+0(	<7.68E-01	<1.14E+0(	<1.72E+0(	<2.32E+0(	<2.04E+0(	<1.73E+0(	<1.66E+0(
T-302		<1.43E+0(	<1.29E+0(	<7.71E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.05E+0(	<1.74E+0(	<1.67E+0(
T-303		<1.42E+0(	<1.28E+0(	<7.65E-01	<1.14E+0(	<1.72E+0(	<2.31E+0(	<2.03E+0(	<1.72E+0(	<1.66E+0(
T-304		<1.41E+0(	<1.27E+0(	<7.64E-01	<1.14E+0(	<1.71E+0(	<2.31E+0(	<2.03E+0(	<1.72E+0(	<1.66E+0(
T-305		<1.41E+0(	<1.27E+0(	<7.62E-01	<1.14E+0(	<1.71E+0(	<2.31E+0(	<2.03E+0(	<1.72E+0(	<1.65E+0(
T-306		<1.41E+0(	<1.27E+0(	<7.61E-01	<1.13E+0(	<1.71E+0(	<2.30E+0(	<2.02E+0(	<1.71E+0(	<1.65E+0(
T-307		<1.40E+0(	<1.26E+0(	<7.58E-01	<1.13E+0(	<1.70E+0(	<2.29E+0(	<2.01E+0(	<1.71E+0(	<1.64E+0(
T-308		<1.40E+0(	<1.27E+0(	<7.59E-01	<1.13E+0(	<1.70E+0(	<2.30E+0(	<2.02E+0(	<1.71E+0(	<1.65E+0(
T-309		<1.42E+0(	<1.28E+0(	<7.69E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.04E+0(	<1.73E+0(	<1.67E+0(
T-310		<1.43E+0(	<1.29E+0(	<7.71E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.05E+0(	<1.74E+0(	<1.67E+0(
T-311		<1.42E+0(	<1.28E+0(	<7.65E-01	<1.14E+0(	<1.72E+0(	<2.31E+0(	<2.03E+0(	<1.72E+0(	<1.66E+0(
T-312		<1.40E+0(	<1.26E+0(	<7.58E-01	<1.13E+0(	<1.70E+0(	<2.29E+0(	<2.01E+0(	<1.71E+0(	<1.64E+0(
T-313		<1.40E+0(	<1.26E+0(	<7.58E-01	<1.13E+0(	<1.70E+0(	<2.29E+0(	<2.01E+0(	<1.71E+0(	<1.64E+0(
T-314		<1.42E+0(	<1.28E+0(	<7.69E-01	<1.15E+0(	<1.73E+0(	<2.33E+0(	<2.04E+0(	<1.73E+0(	<1.67E+0(
T-401		<1.75E+0(	<1.58E+0(	<9.45E-01	<1.41E+0(	<2.12E+0(	<2.78E+0(	<2.44E+0(	<2.07E+0(	<1.99E+0(
T-402		<1.75E+0(	<1.58E+0(	<9.45E-01	<1.41E+0(	<2.12E+0(	<2.78E+0(	<2.44E+0(	<2.07E+0(	<1.99E+0(
T-403		<1.78E+0(	<1.60E+0(	<9.60E-01	<1.43E+0(	<2.15E+0(	<2.82E+0(	<2.48E+0(	<2.10E+0(	<2.02E+0(
T-404		<1.71E+0(	<1.54E+0(	<9.23E-01	<1.38E+0(	<2.07E+0(	<2.79E+0(	<2.45E+0(	<2.08E+0(	<2.00E+0(
T-405		<1.67E+0(	<1.50E+0(	<9.01E-01	<1.34E+0(	<2.02E+0(	<2.72E+0(	<2.39E+0(	<2.03E+0(	<1.95E+0(
T-406		<1.67E+0(	<1.51E+0(	<9.05E-01	<1.35E+0(	<2.03E+0(	<2.70E+0(	<2.37E+0(	<2.01E+0(	<1.93E+0(
T-407		<1.69E+0(	<1.53E+0(	<9.16E-01	<1.37E+0(	<2.06E+0(	<2.73E+0(	<2.40E+0(	<2.03E+0(	<1.96E+0(
T-408		<1.75E+0(	<1.57E+0(	<9.43E-01	<1.41E+0(	<2.12E+0(	<2.78E+0(	<2.44E+0(	<2.07E+0(	<1.99E+0(
T-409		<1.69E+0(	<1.52E+0(	<9.13E-01	<1.36E+0(	<2.05E+0(	<2.75E+0(	<2.42E+0(	<2.05E+0(	<1.97E+0(
T-410		<1.72E+0(	<1.55E+0(	<9.28E-01	<1.38E+0(	<2.08E+0(	<2.77E+0(	<2.43E+0(	<2.06E+0(	<1.98E+0(
T-411		<1.67E+0(	<1.51E+0(	<9.05E-01	<1.35E+0(	<2.03E+0(	<2.70E+0(	<2.37E+0(	<2.01E+0(	<1.93E+0(
T-412		<1.66E+0(	<1.50E+0(	<8.99E-01	<1.34E+0(	<2.02E+0(	<2.65E+0(	<2.32E+0(	<1.97E+0(	<1.89E+0(
T-413		<1.83E+0(	<1.65E+0(	<9.89E-01	<1.47E+0(	<2.22E+0(	<2.95E+0(	<2.59E+0(	<2.19E+0(	<2.11E+0(
T-414		<1.68E+0(	<1.52E+0(	<9.09E-01	<1.36E+0(	<2.04E+0(	<2.68E+0(	<2.35E+0(	<1.99E+0(	<1.92E+0(
T-501		<1.79E+0(	<1.61E+0(	<9.67E-01	<1.44E+0(	<2.17E+0(	<2.85E+0(	<2.50E+0(	<2.12E+0(	<2.04E+0(
T-502		<1.72E+0(	<1.56E+0(	<9.32E-01	<1.39E+0(	<2.09E+0(	<2.81E+0(	<2.47E+0(	<2.10E+0(	<2.02E+0(
T-503		<1.78E+0(	<1.60E+0(	<9.62E-01	<1.43E+0(	<2.16E+0(	<2.87E+0(	<2.52E+0(	<2.14E+0(	<2.05E+0(
T-504		<1.81E+0(	<1.64E+0(	<9.80E-01	<1.46E+0(	<2.20E+0(	<2.89E+0(	<2.53E+0(	<2.15E+0(	<2.07E+0(
T-505		<1.77E+0(	<1.60E+0(	<9.56E-01	<1.42E+0(	<2.15E+0(	<2.88E+0(	<2.53E+0(	<2.15E+0(	<2.07E+0(
T-506		<1.73E+0(	<1.56E+0(	<9.34E-01	<1.39E+0(	<2.10E+0(	<2.78E+0(	<2.45E+0(	<2.07E+0(	<1.99E+0(
T-507		<1.79E+0(	<1.61E+0(	<9.65E-01	<1.44E+0(	<2.17E+0(	<2.88E+0(	<2.53E+0(	<2.14E+0(	<2.06E+0(
T-508		<1.74E+0(	<1.57E+0(	<9.38E-01	<1.40E+0(	<2.10E+0(	<2.80E+0(	<2.46E+0(	<2.08E+0(	<2.00E+0(
T-509		<1.93E+0(	<1.74E+0(	<1.04E+0(	<1.55E+0(	<2.34E+0(	<3.14E+0(	<2.76E+0(	<2.34E+0(	<2.25E+0(
T-510		<1.67E+0(	<1.51E+0(	<9.04E-01	<1.35E+0(	<2.03E+0(	<2.66E+0(	<2.34E+0(	<1.98E+0(	<1.91E+0(
T-511		<1.77E+0(	<1.60E+0(	<9.59E-01	<1.43E+0(	<2.15E+0(	<2.89E+0(	<2.54E+0(	<2.16E+0(	<2.07E+0(
T-512		<1.74E+0(	<1.57E+0(	<9.40E-01	<1.40E+0(	<2.11E+0(	<2.77E+0(	<2.43E+0(	<2.06E+0(	<1.98E+0(
T-513		<1.65E+0(	<1.49E+0(	<8.94E-01	<1.33E+0(	<2.01E+0(	<2.66E+0(	<2.34E+0(	<1.99E+0(	<1.91E+0(
T-514		<1.73E+0(	<1.56E+0(	<9.33E-01	<1.39E+0(	<2.09E+0(	<2.81E+0(	<2.47E+0(	<2.10E+0(	<2.02E+0(

Sample ID	Compound	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene
	CAS	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1
	MW	208.3	187.9	112.6	167.8	252.7	167.8	147.4	125	120.2
Flux (mg/m2-min)										
T-101		<7.56E-05	<6.82E-05	<4.08E-05	<6.09E-05	<9.17E-05	<1.24E-04	<1.09E-04	<9.21E-05	<8.85E-05
T-102		<5.67E-05	<5.12E-05	<3.07E-05	<4.57E-05	<6.88E-05	<9.28E-05	<8.15E-05	<6.91E-05	<6.65E-05
T-103		<1.53E-04	<1.38E-04	<8.25E-05	<1.23E-04	<1.85E-04	<2.50E-04	<2.19E-04	<1.86E-04	<1.79E-04
T-104		<1.64E-04	<1.48E-04	<8.88E-05	<1.32E-04	<1.99E-04	<2.69E-04	<2.36E-04	<2.00E-04	<1.93E-04
T-105		<5.14E-05	<4.64E-05	<2.78E-05	<4.14E-05	<6.24E-05	<8.41E-05	<7.39E-05	<6.27E-05	<6.03E-05
T-106		<6.05E-05	<5.46E-05	<3.27E-05	<4.88E-05	<7.34E-05	<9.90E-05	<8.70E-05	<7.38E-05	<7.09E-05
T-107		<1.42E-04	<1.28E-04	<7.65E-05	<1.14E-04	<1.72E-04	<2.31E-04	<2.03E-04	<1.72E-04	<1.66E-04
T-108		<2.30E-04	<2.07E-04	<1.24E-04	<1.85E-04	<2.79E-04	<3.76E-04	<3.30E-04	<2.80E-04	<2.69E-04
T-109		<5.91E-05	<5.33E-05	<3.20E-05	<4.76E-05	<7.17E-05	<9.67E-05	<8.49E-05	<7.20E-05	<6.93E-05
T-110		<5.14E-05	<4.63E-05	<2.78E-05	<4.14E-05	<6.23E-05	<8.40E-05	<7.38E-05	<6.26E-05	<6.02E-05
T-111		<2.26E-04	<2.04E-04	<1.22E-04	<1.82E-04	<2.74E-04	<3.70E-04	<3.25E-04	<2.76E-04	<2.65E-04
T-112		<1.22E-04	<1.10E-04	<6.60E-05	<9.83E-05	<1.48E-04	<2.00E-04	<1.75E-04	<1.49E-04	<1.43E-04
T-113		<1.10E-04	<9.90E-05	<5.93E-05	<8.84E-05	<1.33E-04	<1.79E-04	<1.58E-04	<1.34E-04	<1.29E-04
T-114		<5.47E-05	<4.94E-05	<2.96E-05	<4.41E-05	<6.64E-05	<8.95E-05	<7.87E-05	<6.67E-05	<6.41E-05
T-201		<8.27E-05	<7.46E-05	<4.47E-05	<6.67E-05	<1.00E-04	<1.35E-04	<1.19E-04	<1.01E-04	<9.69E-05
T-202		<1.05E-04	<9.45E-05	<5.66E-05	<8.44E-05	<1.27E-04	<1.71E-04	<1.51E-04	<1.28E-04	<1.23E-04
T-203		<6.56E-05	<5.92E-05	<3.54E-05	<5.28E-05	<7.96E-05	<1.07E-04	<9.42E-05	<7.99E-05	<7.68E-05
T-204		<8.10E-05	<7.31E-05	<4.38E-05	<6.53E-05	<9.83E-05	<1.33E-04	<1.16E-04	<9.87E-05	<9.49E-05
T-205		<5.19E-05	<4.68E-05	<2.81E-05	<4.18E-05	<6.30E-05	<8.49E-05	<7.46E-05	<6.32E-05	<6.08E-05
T-206		<5.19E-05	<4.68E-05	<2.81E-05	<4.18E-05	<6.30E-05	<8.49E-05	<7.46E-05	<6.32E-05	<6.08E-05
T-207		<5.17E-05	<4.67E-05	<2.80E-05	<4.17E-05	<6.27E-05	<8.46E-05	<7.43E-05	<6.30E-05	<6.06E-05
T-208		<5.18E-05	<4.67E-05	<2.80E-05	<4.17E-05	<6.29E-05	<8.47E-05	<7.44E-05	<6.31E-05	<6.07E-05
T-209		<5.70E-05	<5.14E-05	<3.08E-05	<4.59E-05	<6.91E-05	<9.32E-05	<8.19E-05	<6.94E-05	<6.68E-05
T-210		<5.19E-05	<4.68E-05	<2.81E-05	<4.18E-05	<6.30E-05	<8.49E-05	<7.46E-05	<6.32E-05	<6.08E-05
T-211		<5.16E-05	<4.66E-05	<2.79E-05	<4.16E-05	<6.26E-05	<8.44E-05	<7.42E-05	<6.29E-05	<6.05E-05
T-212		<9.25E-05	<8.34E-05	<5.00E-05	<7.45E-05	<1.12E-04	<1.51E-04	<1.33E-04	<1.13E-04	<1.08E-04
T-213		<7.95E-05	<7.17E-05	<4.30E-05	<6.40E-05	<9.64E-05	<1.30E-04	<1.14E-04	<9.69E-05	<9.31E-05
T-214		<5.47E-05	<4.94E-05	<2.96E-05	<4.41E-05	<6.64E-05	<8.95E-05	<7.87E-05	<6.67E-05	<6.41E-05
T-301		<6.20E-05	<5.60E-05	<3.35E-05	<5.00E-05	<7.52E-05	<1.01E-04	<8.91E-05	<7.56E-05	<7.27E-05
T-302		<1.04E-04	<9.36E-05	<5.61E-05	<8.35E-05	<1.26E-04	<1.70E-04	<1.49E-04	<1.26E-04	<1.22E-04
T-303		<6.45E-05	<5.82E-05	<3.49E-05	<5.19E-05	<7.82E-05	<1.05E-04	<9.26E-05	<7.86E-05	<7.55E-05
T-304		<5.43E-05	<4.90E-05	<2.94E-05	<4.38E-05	<6.59E-05	<8.89E-05	<7.81E-05	<6.62E-05	<6.37E-05
T-305		<5.42E-05	<4.89E-05	<2.93E-05	<4.37E-05	<6.58E-05	<8.87E-05	<7.79E-05	<6.61E-05	<6.35E-05
T-306		<5.41E-05	<4.88E-05	<2.93E-05	<4.36E-05	<6.57E-05	<8.85E-05	<7.78E-05	<6.60E-05	<6.34E-05
T-307		<5.39E-05	<4.86E-05	<2.92E-05	<4.34E-05	<6.54E-05	<8.82E-05	<7.75E-05	<6.57E-05	<6.32E-05
T-308		<5.83E-05	<5.26E-05	<3.15E-05	<4.70E-05	<7.07E-05	<9.53E-05	<8.37E-05	<7.10E-05	<6.83E-05
T-309		<1.51E-04	<1.36E-04	<8.16E-05	<1.22E-04	<1.83E-04	<2.47E-04	<2.17E-04	<1.84E-04	<1.77E-04
T-310		<7.80E-05	<7.03E-05	<4.21E-05	<6.28E-05	<9.46E-05	<1.28E-04	<1.12E-04	<9.50E-05	<9.13E-05
T-311		<1.07E-04	<9.65E-05	<5.78E-05	<8.61E-05	<1.30E-04	<1.75E-04	<1.54E-04	<1.30E-04	<1.25E-04
T-312		<7.03E-05	<6.34E-05	<3.80E-05	<5.66E-05	<8.52E-05	<1.15E-04	<1.01E-04	<8.56E-05	<8.23E-05
T-313		<6.00E-05	<5.42E-05	<3.25E-05	<4.84E-05	<7.28E-05	<9.82E-05	<8.63E-05	<7.31E-05	<7.03E-05
T-314		<5.47E-05	<4.94E-05	<2.96E-05	<4.41E-05	<6.64E-05	<8.95E-05	<7.87E-05	<6.67E-05	<6.41E-05
T-401		<6.72E-05	<6.07E-05	<3.64E-05	<5.42E-05	<8.16E-05	<1.07E-04	<9.40E-05	<7.97E-05	<7.66E-05
T-402		<8.98E-05	<8.10E-05	<4.85E-05	<7.23E-05	<1.09E-04	<1.43E-04	<1.26E-04	<1.06E-04	<1.02E-04
T-403		<1.65E-04	<1.49E-04	<8.94E-05	<1.33E-04	<2.01E-04	<2.63E-04	<2.31E-04	<1.96E-04	<1.88E-04
T-404		<8.37E-05	<7.55E-05	<4.53E-05	<6.74E-05	<1.02E-04	<1.37E-04	<1.20E-04	<1.02E-04	<9.79E-05
T-405		<8.27E-05	<7.46E-05	<4.47E-05	<6.66E-05	<1.00E-04	<1.35E-04	<1.19E-04	<1.00E-04	<9.66E-05
T-406		<8.57E-05	<7.73E-05	<4.63E-05	<6.90E-05	<1.04E-04	<1.38E-04	<1.21E-04	<1.03E-04	<9.89E-05
T-407		<1.36E-04	<1.22E-04	<7.33E-05	<1.09E-04	<1.65E-04	<2.18E-04	<1.92E-04	<1.63E-04	<1.57E-04
T-408		<6.71E-05	<6.06E-05	<3.63E-05	<5.41E-05	<8.14E-05	<1.07E-04	<9.38E-05	<7.96E-05	<7.65E-05
T-409		<8.00E-05	<7.21E-05	<4.32E-05	<6.44E-05	<9.70E-05	<1.30E-04	<1.15E-04	<9.71E-05	<9.34E-05
T-410		<9.96E-05	<8.98E-05	<5.38E-05	<8.02E-05	<1.21E-04	<1.60E-04	<1.41E-04	<1.19E-04	<1.15E-04
T-411		<1.27E-04	<1.15E-04	<6.87E-05	<1.02E-04	<1.54E-04	<2.05E-04	<1.80E-04	<1.53E-04	<1.47E-04
T-412		<6.39E-05	<5.77E-05	<3.46E-05	<5.15E-05	<7.76E-05	<1.02E-04	<8.94E-05	<7.58E-05	<7.29E-05
T-413		<7.03E-05	<6.34E-05	<3.80E-05	<5.67E-05	<8.53E-05	<1.13E-04	<9.95E-05	<8.44E-05	<8.12E-05
T-414		<6.47E-05	<5.84E-05	<3.50E-05	<5.21E-05	<7.85E-05	<1.03E-04	<9.04E-05	<7.67E-05	<7.37E-05
T-501		<4.55E-04	<4.11E-04	<2.46E-04	<3.67E-04	<5.52E-04	<7.24E-04	<6.36E-04	<5.40E-04	<5.19E-04
T-502		<1.30E-04	<1.17E-04	<7.01E-05	<1.05E-04	<1.57E-04	<2.12E-04	<1.86E-04	<1.58E-04	<1.52E-04
T-503		<2.62E-04	<2.36E-04	<1.41E-04	<2.11E-04	<3.17E-04	<4.21E-04	<3.70E-04	<3.14E-04	<3.02E-04
T-504		<1.43E-04	<1.29E-04	<7.71E-05	<1.15E-04	<1.73E-04	<2.27E-04	<1.99E-04	<1.69E-04	<1.63E-04
T-505		<9.48E-05	<8.55E-05	<5.12E-05	<7.64E-05	<1.15E-04	<1.55E-04	<1.36E-04	<1.15E-04	<1.11E-04
T-506		<8.34E-05	<7.52E-05	<4.51E-05	<6.72E-05	<1.01E-04	<1.34E-04	<1.18E-04	<1.00E-04	<9.62E-05
T-507		<6.87E-05	<6.19E-05	<3.71E-05	<5.53E-05	<8.33E-05	<1.11E-04	<9.72E-05	<8.24E-05	<7.92E-05
T-508		<9.20E-05	<8.29E-05	<4.97E-05	<7.41E-05	<1.12E-04	<1.48E-04	<1.30E-04	<1.10E-04	<1.06E-04
T-509		<7.41E-05	<6.68E-05	<4.01E-05	<5.97E-05	<8.99E-05	<1.21E-04	<1.06E-04	<8.99E-05	<8.65E-05
T-510		<7.73E-05	<6.98E-05	<4.18E-05	<6.23E-05	<9.38E-05	<1.23E-04	<1.08E-04	<9.16E-05	<8.81E-05
T-511		<6.95E-05	<6.27E-05	<3.76E-05	<5.60E-05	<8.43E-05	<1.13E-04	<9.96E-05	<8.44E-05	<8.12E-05
T-512		<2.10E-04	<1.90E-04	<1.14E-04	<1.69E-04	<2.55E-04	<3.34E-04	<2.94E-04	<2.49E-04	<2.40E-04
T-513		<1.89E-04	<1.70E-04	<1.02E-04	<1.52E-04	<2.29E-04	<3.05E-04	<2.67E-04	<2.27E-04	<2.18E-04
T-514		<6.64E-05	<5.99E-05	<3.59E-05	<5.35E-05	<8.05E-05	<1.08E-04	<9.51E-05	<8.06E-05	<7.75E-05

Sample ID / Compound	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
CAS	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	91-20-3	87-61-6	87-68-3	75-37-6
MW	120.2	134.2	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	128.2	181.4	260.8	66.05
Lab Data (ppbv)															
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	134.1
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	179.5
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.7
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63.9
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	212.6
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	168.2
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.2
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.7
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	174.4
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200.7
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.1
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87.1
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.8
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	223.5
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	126.2
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101.3
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	167.9
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135.7
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	198.3
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	221.5
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	216.8
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	211.1
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	188.4
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	212.2
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	216.6
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	111.5
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129.7
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	226.5
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	175.3
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105.2
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	175.6
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	208.9
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	226.5
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	228.7
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	208.7
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	192.8
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.4
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	146.3
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101.3
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	152.7
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	178.8
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	202.6
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	179.0
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	154.3
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	82.6
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	156.9
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.1
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	154.9
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	99.0
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	246.8
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	167.3
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	136.6
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101.3
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	209.7
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	235.3
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	221.9
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.2
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.3
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.9
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100.7
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143.5
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	159.5
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210.0
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	149.5
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	203.6
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	171.4
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	202.2
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63.7
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67.3
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	228.3

Sample ID	Compound	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
	CAS	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	91-20-3	87-61-6	87-68-3	75-37-6
	MW	120.2	134.2	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	128.2	181.4	260.8	66.05
MDL (ppbv)																
T-101		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-102		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-103		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-104		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-105		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-106		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-107		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-108		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-109		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-110		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-111		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-112		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-113		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-114		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-201		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-202		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-203		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-204		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-205		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-206		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-207		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-208		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-209		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-210		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-211		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-212		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-213		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-214		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-301		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-302		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-303		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-304		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-305		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-306		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-307		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-308		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-309		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-310		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-311		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-312		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-313		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-314		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1	1	1.67	1	0.83	
T-401		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.19	1.19	1.98	1.19	0.99	
T-402		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.19	1.19	1.98	1.19	0.99	
T-403		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.19	1.19	1.98	1.19	0.99	
T-404		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.18	1.18	1.97	1.18	0.98	
T-405		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.18	1.18	1.97	1.18	0.98	
T-406		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	2	1.2	1	
T-407		0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	1.23	1.23	2.05	1.23	1.03	
T-408		0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	1.22	1.22	2.03	1.22	1.02	
T-409		0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	1.24	1.24	2.07	1.24	1.03	
T-410		0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	1.23	1.23	2.05	1.23	1.03	
T-411		0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	1.23	1.23	2.05	1.23	1.03	
T-412		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.19	1.19	1.98	1.19	0.99	
T-413		0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.32	1.32	2.2	1.32	1.1	
T-414		0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	1.16	1.16	1.93	1.16	0.97	
T-501		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.19	1.19	1.98	1.19	0.99	
T-502		0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	1.18	1.18	1.97	1.18	0.98	
T-503		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	2	1.2	1	
T-504		0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	1.22	1.22	2.03	1.22	1.02	
T-505		0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	1.24	1.24	2.07	1.24	1.03	
T-506		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	2	1.2	1	
T-507		0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	1.23	1.23	2.05	1.23	1.03	
T-508		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	2	1.2	1	
T-509		0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	1.36	1.36	2.27	1.36	1.13	
T-510		0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	1.16	1.16	1.93	1.16	0.97	
T-511		0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	1.27	1.27	2.12	1.27	1.06	
T-512		0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	1.22	1.22	2.03	1.22	1.02	
T-513		0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	1.17	1.17	1.95	1.17	0.98	
T-514		0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	1.21	1.21	2.02	1.21	1.01	

Sample ID	Compound	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane	Temp.		273.2	0.0820574
	CAS	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	91-20-3	87-61-6	87-68-3	75-37-6	oF	oC	oK	RT
	MW	120.2	134.2	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	128.2	181.4	260.8	66.05				
Data Used (ug/m3)																				
T-101		<1.55E+0(	<1.73E+0(	<1.73E+0(	<1.73E+0(	<1.90E+0(	<1.63E+0(	<1.90E+0(	<1.73E+0(	<1.90E+0(	<4.55E+0(	<3.49E+0(	<4.12E+0(	<3.49E+0(	<4.17E+00		110	43.3	316.5	26.0
T-102		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.91E+0(	<1.64E+0(	<1.91E+0(	<1.74E+0(	<1.91E+0(	<4.57E+0(	<3.51E+0(	<4.14E+0(	<3.51E+0(	<4.19E+00		107	41.7	314.8	25.8
T-103		<1.53E+0(	<1.71E+0(	<1.71E+0(	<1.71E+0(	<1.88E+0(	<1.62E+0(	<1.88E+0(	<1.71E+0(	<1.88E+0(	<4.50E+0(	<3.46E+0(	<4.08E+0(	<3.46E+0(	<4.12E+00		116	46.7	319.8	26.2
T-104		<1.54E+0(	<1.72E+0(	<1.72E+0(	<1.72E+0(	<1.88E+0(	<1.62E+0(	<1.88E+0(	<1.72E+0(	<1.88E+0(	<4.51E+0(	<3.46E+0(	<4.09E+0(	<3.46E+0(	<4.13E+00		115	46.1	319.3	26.2
T-105		<1.57E+0(	<1.75E+0(	<1.75E+0(	<1.75E+0(	<1.92E+0(	<1.65E+0(	<1.92E+0(	<1.75E+0(	<1.92E+0(	<4.60E+0(	<3.53E+0(	<4.17E+0(	<3.53E+0(	<4.21E+00		104	40.0	313.2	25.7
T-106		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.91E+0(	<1.64E+0(	<1.91E+0(	<1.74E+0(	<1.91E+0(	<4.57E+0(	<3.51E+0(	<4.14E+0(	<3.51E+0(	<4.19E+00		107	41.7	314.8	25.8
T-107		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.91E+0(	<1.64E+0(	<1.91E+0(	<1.74E+0(	<1.91E+0(	<4.57E+0(	<3.51E+0(	<4.14E+0(	<3.51E+0(	<4.19E+00		107	41.7	314.8	25.8
T-108		<1.57E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.92E+0(	<1.66E+0(	<1.92E+0(	<1.76E+0(	<1.92E+0(	<4.61E+0(	<3.54E+0(	<4.18E+0(	<3.54E+0(	<4.23E+00		102	38.9	312.0	25.6
T-109		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.63E+0(	<3.55E+0(	<4.20E+0(	<3.55E+0(	<4.24E+00		100	37.8	310.9	25.5
T-110		<1.56E+0(	<1.75E+0(	<1.75E+0(	<1.75E+0(	<1.91E+0(	<1.65E+0(	<1.91E+0(	<1.75E+0(	<1.91E+0(	<4.59E+0(	<3.52E+0(	<4.16E+0(	<3.52E+0(	<4.20E+00		105	40.6	313.7	25.7
T-111		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.91E+0(	<1.64E+0(	<1.91E+0(	<1.74E+0(	<1.91E+0(	<4.58E+0(	<3.52E+0(	<4.15E+0(	<3.52E+0(	<4.20E+00		106	41.1	314.3	25.8
T-112		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.90E+0(	<1.64E+0(	<1.90E+0(	<1.74E+0(	<1.90E+0(	<4.57E+0(	<3.50E+0(	<4.14E+0(	<3.50E+0(	<4.18E+00		108	42.2	315.4	25.9
T-113		<1.56E+0(	<1.74E+0(	<1.74E+0(	<1.74E+0(	<1.90E+0(	<1.64E+0(	<1.90E+0(	<1.74E+0(	<1.90E+0(	<4.57E+0(	<3.50E+0(	<4.14E+0(	<3.50E+0(	<4.18E+00		108	42.2	315.4	25.9
T-114		<1.67E+0(	<1.86E+0(	<1.86E+0(	<1.86E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.86E+0(	<2.04E+0(	<4.89E+0(	<3.76E+0(	<4.43E+0(	<3.76E+0(	<4.48E+00		70	21.1	294.3	24.1
T-201		<1.60E+0(	<1.78E+0(	<1.78E+0(	<1.78E+0(	<1.95E+0(	<1.68E+0(	<1.95E+0(	<1.78E+0(	<1.95E+0(	<4.69E+0(	<3.60E+0(	<4.25E+0(	<3.60E+0(	<4.30E+00		93	33.9	307.0	25.2
T-202		<1.62E+0(	<1.81E+0(	<1.81E+0(	<1.81E+0(	<1.99E+0(	<1.71E+0(	<1.99E+0(	<1.81E+0(	<1.99E+0(	<4.77E+0(	<3.66E+0(	<4.32E+0(	<3.66E+0(	<4.37E+00		84	28.9	302.0	24.8
T-203		<1.61E+0(	<1.80E+0(	<1.80E+0(	<1.80E+0(	<1.97E+0(	<1.70E+0(	<1.97E+0(	<1.80E+0(	<1.97E+0(	<4.73E+0(	<3.63E+0(	<4.29E+0(	<3.63E+0(	<4.34E+00		88	31.1	304.3	25.0
T-204		<1.61E+0(	<1.80E+0(	<1.80E+0(	<1.80E+0(	<1.97E+0(	<1.70E+0(	<1.97E+0(	<1.80E+0(	<1.97E+0(	<4.72E+0(	<3.63E+0(	<4.28E+0(	<3.63E+0(	<4.33E+00		89	31.7	304.8	25.0
T-205		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.62E+0(	<3.55E+0(	<4.19E+0(	<3.55E+0(	<4.23E+00		101	38.3	311.5	25.6
T-206		<1.58E+0(	<1.77E+0(	<1.77E+0(	<1.77E+0(	<1.93E+0(	<1.67E+0(	<1.93E+0(	<1.77E+0(	<1.93E+0(	<4.64E+0(	<3.56E+0(	<4.20E+0(	<3.56E+0(	<4.25E+00		99	37.2	310.4	25.5
T-207		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.62E+0(	<3.55E+0(	<4.19E+0(	<3.55E+0(	<4.23E+00		101	38.3	311.5	25.6
T-208		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.63E+0(	<3.55E+0(	<4.20E+0(	<3.55E+0(	<4.24E+00		100	37.8	310.9	25.5
T-209		<1.57E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.92E+0(	<1.66E+0(	<1.92E+0(	<1.76E+0(	<1.92E+0(	<4.61E+0(	<3.54E+0(	<4.18E+0(	<3.54E+0(	<4.23E+00		102	38.9	312.0	25.6
T-210		<1.58E+0(	<1.77E+0(	<1.77E+0(	<1.77E+0(	<1.93E+0(	<1.67E+0(	<1.93E+0(	<1.77E+0(	<1.93E+0(	<4.64E+0(	<3.56E+0(	<4.20E+0(	<3.56E+0(	<4.25E+00		99	37.2	310.4	25.5
T-211		<1.57E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.92E+0(	<1.66E+0(	<1.92E+0(	<1.76E+0(	<1.92E+0(	<4.61E+0(	<3.54E+0(	<4.18E+0(	<3.54E+0(	<4.23E+00		102	38.9	312.0	25.6
T-212		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.63E+0(	<3.55E+0(	<4.20E+0(	<3.55E+0(	<4.24E+00		100	37.8	310.9	25.5
T-213		<1.58E+0(	<1.76E+0(	<1.76E+0(	<1.76E+0(	<1.93E+0(	<1.66E+0(	<1.93E+0(	<1.76E+0(	<1.93E+0(	<4.63E+0(	<3.55E+0(	<4.20E+0(	<3.55E+0(	<4.24E+00		100	37.8	310.9	25.5
T-214		<1.67E+0(	<1.86E+0(	<1.86E+0(	<1.86E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.86E+0(	<2.04E+0(	<4.89E+0(	<3.76E+0(	<4.43E+0(	<3.76E+0(	<4.48E+00		70	21.1	294.3	24.1
T-301		<1.66E+0(	<1.86E+0(	<1.86E+0(	<1.86E+0(	<2.04E+0(	<1.75E+0(	<2.04E+0(	<1.86E+0(	<2.04E+0(	<4.88E+0(	<3.75E+0(	<4.42E+0(	<3.75E+0(	<4.47E+00		71	21.7	294.8	24.2
T-302		<1.67E+0(	<1.87E+0(	<1.87E+0(	<1.87E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.87E+0(	<2.04E+0(	<4.90E+0(	<3.76E+0(	<4.44E+0(	<3.76E+0(	<4.49E+00		69	20.6	293.7	24.1
T-303		<1.66E+0(	<1.85E+0(	<1.85E+0(	<1.85E+0(	<2.03E+0(	<1.75E+0(	<2.03E+0(	<1.85E+0(	<2.03E+0(	<4.87E+0(	<3.74E+0(	<4.41E+0(	<3.74E+0(	<4.46E+00		73	22.8	295.9	24.3
T-304		<1.66E+0(	<1.85E+0(	<1.85E+0(	<1.85E+0(	<2.02E+0(	<1.74E+0(	<2.02E+0(	<1.85E+0(	<2.02E+0(	<4.86E+0(	<3.73E+0(	<4.40E+0(	<3.73E+0(	<4.45E+00		74	23.3	296.5	24.3
T-305		<1.65E+0(	<1.84E+0(	<1.84E+0(	<1.84E+0(	<2.02E+0(	<1.74E+0(	<2.02E+0(	<1.84E+0(	<2.02E+0(	<4.85E+0(	<3.72E+0(	<4.39E+0(	<3.72E+0(	<4.44E+00		75	23.9	297.0	24.4
T-306		<1.65E+0(	<1.84E+0(	<1.84E+0(	<1.84E+0(	<2.02E+0(	<1.74E+0(	<2.02E+0(	<1.84E+0(	<2.02E+0(	<4.84E+0(	<3.71E+0(	<4.38E+0(	<3.71E+0(	<4.43E+00		76	24.4	297.6	24.4
T-307		<1.64E+0(	<1.83E+0(	<1.83E+0(	<1.83E+0(	<2.01E+0(	<1.73E+0(	<2.01E+0(	<1.83E+0(	<2.01E+0(	<4.82E+0(	<3.70E+0(	<4.37E+0(	<3.70E+0(	<4.42E+00		78	25.6	298.7	24.5
T-308		<1.65E+0(	<1.84E+0(	<1.84E+0(	<1.84E+0(	<2.01E+0(	<1.73E+0(	<2.01E+0(	<1.84E+0(	<2.01E+0(	<4.83E+0(	<3.71E+0(	<4.38E+0(	<3.71E+0(	<4.42E+00		77	25.0	298.2	24.5
T-309		<1.67E+0(	<1.86E+0(	<1.86E+0(	<1.86E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.86E+0(	<2.04E+0(	<4.89E+0(	<3.76E+0(	<4.43E+0(	<3.76E+0(	<4.48E+00		70	21.1	294.3	24.1
T-310		<1.67E+0(	<1.87E+0(	<1.87E+0(	<1.87E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.87E+0(	<2.04E+0(	<4.90E+0(	<3.76E+0(	<4.44E+0(	<3.76E+0(	<4.49E+00		69	20.6	293.7	24.1
T-311		<1.66E+0(	<1.85E+0(	<1.85E+0(	<1.85E+0(	<2.03E+0(	<1.75E+0(	<2.03E+0(	<1.85E+0(	<2.03E+0(	<4.87E+0(	<3.74E+0(	<4.41E+0(	<3.74E+0(	<4.46E+00		73	22.8	295.9	24.3
T-312		<1.64E+0(	<1.83E+0(	<1.83E+0(	<1.83E+0(	<2.01E+0(	<1.73E+0(	<2.01E+0(	<1.83E+0(	<2.01E+0(	<4.82E+0(	<3.70E+0(	<4.37E+0(	<3.70E+0(	<4.42E+00		78	25.6	298.7	24.5
T-313		<1.64E+0(	<1.83E+0(	<1.83E+0(	<1.83E+0(	<2.01E+0(	<1.73E+0(	<2.01E+0(	<1.83E+0(	<2.01E+0(	<4.82E+0(	<3.70E+0(	<4.37E+0(	<3.70E+0(	<4.42E+00		78	25.6	298.7	24.5
T-314		<1.67E+0(	<1.86E+0(	<1.86E+0(	<1.86E+0(	<2.04E+0(	<1.76E+0(	<2.04E+0(	<1.86E+0(	<2.04E+0(	<4.89E+0(	<3.76E+0(	<4.43E+0(	<3.76E+0(	<4.48E+00		70	21.1	294.3	24.1
T-401		<1.99E+0(	<2.22E+0(	<2.22E+0(	<2.22E+0(	<2.44E+0(	<2.10E+0(	<2.44E+0(	<2.22E+0(	<2.44E+0(	<5.90E+0(	<4.53E+0(	<5.33E+0(	<4.53E+0(	<5.42E+00		63	17.2	290.4	23.8
T-402		<1.99E+0(	<2.22E+0(	<2.22E+0(	<2.22E+0(	<2.44E+0(	<2.10E+0(	<2.44E+0(	<2.22E+0(	<2.44E+0(	<5.90E+0(	<4.53E+0(	<5.33E+0(	<4.53E+0(	<5.42E+00		63	17.2	290.4	23.8
T-403		<2.02E+0(	<2.26E+0(	<2.26E+0(	<2.26E+0(	<2.47E+0(	<2.13E+0(	<2.47E+0(	<2.26E+0(	<2.47E+0(	<5.99E+0(	<4.60E+0(	<5.41E+0(	<4.60E+0(	<5.50E+00		55	12.8	285.9	23.5
T-404		<2.00E+0(	<2.23E+0(	<2.23E+0(	<2.23E+0(	<2.44E+0(	<2.10E+0(	<2.44E+0(	<2.23E+0(	<2.44E+0(	<5.86E+0(	<4.50E+0(	<5.31E+0(	<4.50E+0(	<5.37E+00		62	16.7	289.8	23.8
T-405		<1.95E+0(	<2.17E+0(	<2.17E+0(	<2.17E+0(	<2.38E+0(	<2.05E+0(	<2.38E+0(	<2.17E+0(	<2.38E+0(	<5.72E+0(	<4.39E+0(	<5.18E+0(	<4.39E+0(	<5.24E+00		75	23.9	297.0	24.4
T-406		<1.93E+0(	<2.16E+0(	<2.16E+0(	<2.16E+0(	<2.36E+0(	<2.04E+0(	<2.36E+0(	<2.16E+0(	<2.36E+0(	<5.70E+0(	<4.38E+0(	<5.15E+0(	<4.38E+0(	<5.24E+00		86	30.0	303.2	24.9
T-407		<1.96E+0(	<2.18E+0(	<2.18E+0(	<2.18E+0(	<2.39E+0(	<2.06E+0(	<2.39E+0(	<2.18E+0(	<2.39E+0(	<5.77E+0(	<4.43E+0(	<5.22E+0(	<4.43E+0(	<5.33E+00		93	33.9	307.0	25.2
T-408		<1.99E+0(	<2.22E+0(	<2.22E+0(	<2.22E+0(	<2.43E+0(	<2.10E+0(	<2.43E+0(	<2.22E+0(	<2.43E+0(	<5.89E+0(	<4.52E+0(	<5.32E+0(	<4.52E+0(	<5.44E+00		77	25.0	298.2	24.5
T-409		<1.97E+0(	<2.20E+0(	<2.20E+0(	<2.20E+0(	<2.41E+0(	<2.08E+0(	<2.41E+0(	<2.20E+0(	<2.41E+0(	<5.79E+0(	<4.45E+0(	<5.25E+0(	<4.45E+0(	<5.31E+00		95	35.0	308.2	25.3
T-410		<1.98E+0(	<2.21E+0(	<2.21E+0(	<2.21E+0(	<2.42E+0(	<2.09E+0(	<2.42E+0(	<2.21E+0(	<2.42E+0(	<5.84E+0(	<4.48E+0(	<5.28E+0(	<4.48E+0(	<5.40E+00		86	30.0	303.2	24.9
T-411		<1.93E+0(	<2.16E+0(	<2.16E+0(	<2.16E+0(	<2.36E+0(	<2.03E+0(	<2.36E+0(	<2.16E+0(	<2.36E+0(	<5.70E+0(	<4.37E+0(	<5.15E+0(	<4.37E+0(	<5.26E+00		100	37.8	310.9	25.5
T-412		<1.89E+0(	<2.12E+0(	<2.12E+0(	<2.12E+0(	<2.32E+0(	<2.00E+0(	<2.32E+0(	<2.12E+0(	<2.32E+0(	<5.61E+0(	<4.31E+0(	<5.06E+0(	<4.31E+0(	<5.15E+00		90	32.2	305.4	25.1
T-413		<2.11E+0(	<2.36E+0(	<2.36E+0(	<2.36E+0(	<2.58E+0(	<2.22E+0(	<2.58E+0(	<2.36E+0(	<2.58E+0(	<6.22E+0(	<4.78E+0(	<5.63E+0(	<4.78E+0(	<5.72E+00		90	32.2	305.4	25.1
T-414		<1.92E+0(	<2.14E+0(	<2.14E+0(	<2.14E+0(	<2.34E+0(	<2.02E+0(	<2.34E+0(	<2.14E+0(	<2.34E+0(	<5.68E+0(	<4.36E+0(	<5.12E+0(	<4.36E+0(	<5.24E+00		70	21.1	294.3	24.1
T-501		<2.04E+0(	<2.28E+0(	<2.28E+0(	<2.28E+0(	<2.49E+0(	<2.15E+0(	<2.49E+0(	<2.28E+0(	<2.49E+0(	<6.04E+0(	<4.64E+0(	<5.45E+0(	<4.64E+0(	<5.55E+00		51	10.6	283.7	23.3
T-502		<2.02E+0(	<2.25E+0(	<2.25E+0(	<2.25E+0(	<2.47E+0(	<2.12E+0(	<2.47E+0(	<2.25E+0(	<2.47E+0(	<5.92E+0(	<4.54E+0(	<5.36E+0(	<4.54E+0(	<5.43E+00		57	13.9	287.0	23.6
T-503		<2.05E+0(	<2.29E+0(	<2.29E+0(	<2.29E+0(	<2.51E+0(	<2.16E+0(	<2.51E+0(	<2.29E+0(	<2.51E+0(	<6.05E+0(	<4.65E+0(	<5.47E+0(	<4.65E+0(	<5.57E+00		54	12.2	285.4	23.4
T-504		<2.07E+0(	<2.31E+0(	<2.31E+0(	<2.31E+0(	<2.53E+0(	<2.18E+0(	<2.53E+0(	<2.31E+0(	<2.53E+0(	<6.12E+0(	<4.70E+0(	<5.52E+0(	<4.70E+0(	<5.65E+00		57	13.9	287.0	23.6
T-505		<2.07E+0(	<2.31E+0(	<2.31E+0(	<2.31E+0(	<2.53E+0(	<2.18E+0(	<2.53E+0(	<2.31E+0(	<2.53E+0(	<6.07E+0(	<4.66E+0(	<5.50E+0(	<4.66E+0(	<5.56E+00		70	21.1	294.3	24.1
T-506		<1.99E+0(	<2.23E+0(	<2.23E+0(	<2.23E+0(	<2.44E+0(	<2.10E+0(	<2.44E+0(	<2.23E+0(	<2.44E+0(	<5.88E+0(	<4.52E+0(	<5.32E+0(	<4.52E+0(	<5.41E+00		69	20.6	293.7	24.1
T-507		<2.06E+0(	<2.30E+0(	<2.30E+0(	<2.30E+0(	<2.52E+0(	<2.17E+0(	<2.52E+0(	<2.30E+0(	<2.52E+0(	<6.08E+0(	<4.66E+0(	<5.49E+0(	<4.66E+0(	<5.62E+00		65	18.3	291.5	23.9
T-508		<2.00E+0(	<2.24E+0(	<2.24E+0(	<2.24E+0(	<2.45E+0(	<2.11E+0(	<2.45E+0(	<2.24E+0(	<2.45E+0(	<5.91E+0(	<4.53E+0(	<5.34E+0(	<4.53E+0(	<5.43E+00		67	19.4	292.6	24.0
T-509		<2.25E+0(	<2.51E+0(	<2.51E+0(	<2.51E+0(	<2.75E+0(	<2.37E+0(	<2.75E+0(	<2.51E+0(	<2.75E+0(	<6.60E+0(	<5.07E+0(	<5.98E+0(	<5.07E+0(	<6.06E+00		74	23.3	296.5	24.3
T-510		<1.91E+0(	<2.13E+0(	<2.13E+0(	<2.13E+0(	<2.33E+0(	<2.01E+0(	<2.33E+0(	<2.13E+0(	<2.33E+0(	<5.64E+0(	<4.33E+0(	<5.09E+0(	<4.33E+0(	<5.21E+00		73	22.8	295.9	24.3
T-511		<2.07E+0(	<2.31E+0(	<2.31E+0(	<2.31E+0(	<2.53E+0(	<2.18E+0(	<2.53E+0(	<2.31E+0(	<2.53E+0(	<6.09E+0(	<4.67E+0(	<5.51E+0(	<4.67E+0(	<5.61E+00		81	27.2	300.4	24.6
T-512		<1.98E+0(	<2.21E+0(	<2.21E+0(	<2.21E+0(	<2.42E+0(	<2.09E+0(	<2.42E+0(	<2.21E+0(	<2.42E+0(	<5.87E+0(	<4.51E+0(	<5.30E+0(	<4.51E+0(	<5.42E+00		79	26.1	299.3	24.6
T-513		<1.91E+0(	<2.13E+0(	<2.13E+0(	<2.13E+0(	<2.33E+0(	<2.01E+0(	<2.33E+0(	<2.13E+0(	<2.33E+0(	<5.63E+0(	<4.32E+0(	<5.09E+0(	<4.32E+0(	<5.20E+00		79	26.1	299.3	24.6
T-514		<2.02E+0(	<2.25E+0(	<2.25E+0(	<2.25E+0(	<2.47E+0(	<2.12E+0(	<2.47E+0(	<2.25E+0(	<2.47E+0(	<5.92E+0(	<4.55E+0(	<5.36E+0(	<4.55E+0(	<5.45E+00		70	21.1	294.3	24.1

Sample ID	Compound	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane	
CAS		98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	91-20-3	87-61-6	87-68-3	75-37-6	
MW		120.2	134.2	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	128.2	181.4	260.8	66.05	
																	0
Flux (mg/m2-min)																	Flow (m3/min)
T-101		<8.85E-05	<9.88E-05	<9.88E-05	<9.88E-05	<1.08E-04	<9.32E-05	<1.08E-04	<9.88E-05	<1.08E-04	<2.60E-04	<1.99E-04	<2.35E-04	<1.99E-04	<2.38E-04		0.007
T-102		<6.65E-05	<7.42E-05	<7.42E-05	<7.42E-05	<8.13E-05	<7.00E-05	<8.13E-05	<7.42E-05	<8.13E-05	<1.95E-04	<1.50E-04	<1.77E-04	<1.50E-04	<1.79E-04		0.006
T-103		<1.79E-04	<2.00E-04	<2.00E-04	<2.00E-04	<2.19E-04	<1.88E-04	<2.19E-04	<2.00E-04	<2.19E-04	<5.25E-04	<4.03E-04	<4.75E-04	<4.03E-04	<4.81E-04		0.015
T-104		<1.93E-04	<2.15E-04	<2.15E-04	<2.15E-04	<2.35E-04	<2.03E-04	<2.35E-04	<2.15E-04	<2.35E-04	<5.65E-04	<4.34E-04	<5.12E-04	<4.34E-04	<5.18E-04		0.016
T-105		<6.03E-05	<6.73E-05	<6.73E-05	<6.73E-05	<7.37E-05	<6.35E-05	<7.37E-05	<6.73E-05	<7.37E-05	<1.77E-04	<1.36E-04	<1.60E-04	<1.36E-04	<1.62E-04		0.005
T-106		<7.09E-05	<7.92E-05	<7.92E-05	<7.92E-05	<8.67E-05	<7.47E-05	<8.67E-05	<7.92E-05	<8.67E-05	<2.08E-04	<1.60E-04	<1.89E-04	<1.60E-04	<1.91E-04		0.006
T-107		<1.66E-04	<1.85E-04	<1.85E-04	<1.85E-04	<2.03E-04	<1.75E-04	<2.03E-04	<1.85E-04	<2.03E-04	<4.87E-04	<3.74E-04	<4.41E-04	<3.74E-04	<4.46E-04		0.014
T-108		<2.69E-04	<3.01E-04	<3.01E-04	<3.01E-04	<3.29E-04	<2.84E-04	<3.29E-04	<3.01E-04	<3.29E-04	<7.90E-04	<6.07E-04	<7.16E-04	<6.07E-04	<7.24E-04		0.022
T-109		<6.93E-05	<7.73E-05	<7.73E-05	<7.73E-05	<8.47E-05	<7.29E-05	<8.47E-05	<7.73E-05	<8.47E-05	<2.03E-04	<1.56E-04	<1.84E-04	<1.56E-04	<1.86E-04		0.006
T-110		<6.02E-05	<6.72E-05	<6.72E-05	<6.72E-05	<7.36E-05	<6.34E-05	<7.36E-05	<6.72E-05	<7.36E-05	<1.77E-04	<1.36E-04	<1.60E-04	<1.36E-04	<1.62E-04		0.005
T-111		<2.65E-04	<2.96E-04	<2.96E-04	<2.96E-04	<3.24E-04	<2.79E-04	<3.24E-04	<2.96E-04	<3.24E-04	<7.78E-04	<5.97E-04	<7.05E-04	<5.97E-04	<7.12E-04		0.022
T-112		<1.43E-04	<1.60E-04	<1.60E-04	<1.60E-04	<1.75E-04	<1.51E-04	<1.75E-04	<1.60E-04	<1.75E-04	<4.19E-04	<3.22E-04	<3.80E-04	<3.22E-04	<3.84E-04		0.012
T-113		<1.29E-04	<1.44E-04	<1.44E-04	<1.44E-04	<1.57E-04	<1.35E-04	<1.57E-04	<1.44E-04	<1.57E-04	<3.77E-04	<2.90E-04	<3.42E-04	<2.90E-04	<3.46E-04		0.011
T-114		<6.41E-05	<7.16E-05	<7.16E-05	<7.16E-05	<7.84E-05	<6.76E-05	<7.84E-05	<7.16E-05	<7.84E-05	<1.88E-04	<1.44E-04	<1.71E-04	<1.44E-04	<1.72E-04		0.005
T-201		<9.69E-05	<1.08E-04	<1.08E-04	<1.08E-04	<1.19E-04	<1.02E-04	<1.19E-04	<1.08E-04	<1.19E-04	<2.84E-04	<2.18E-04	<2.58E-04	<2.18E-04	<2.61E-04		0.008
T-202		<1.23E-04	<1.37E-04	<1.37E-04	<1.37E-04	<1.50E-04	<1.29E-04	<1.50E-04	<1.37E-04	<1.50E-04	<3.60E-04	<2.77E-04	<3.26E-04	<2.77E-04	<3.30E-04		0.010
T-203		<7.68E-05	<8.58E-05	<8.58E-05	<8.58E-05	<9.40E-05	<8.09E-05	<9.40E-05	<8.58E-05	<9.40E-05	<2.25E-04	<1.73E-04	<2.04E-04	<1.73E-04	<2.07E-04		0.006
T-204		<9.49E-05	<1.06E-04	<1.06E-04	<1.06E-04	<1.16E-04	<1.00E-04	<1.16E-04	<1.06E-04	<1.16E-04	<2.78E-04	<2.14E-04	<2.52E-04	<2.14E-04	<2.55E-04		0.008
T-205		<6.08E-05	<6.79E-05	<6.79E-05	<6.79E-05	<7.44E-05	<6.40E-05	<7.44E-05	<6.79E-05	<7.44E-05	<1.78E-04	<1.37E-04	<1.62E-04	<1.37E-04	<1.63E-04		0.005
T-206		<6.08E-05	<6.79E-05	<6.79E-05	<6.79E-05	<7.44E-05	<6.40E-05	<7.44E-05	<6.79E-05	<7.44E-05	<1.78E-04	<1.37E-04	<1.62E-04	<1.37E-04	<1.63E-04		0.005
T-207		<6.06E-05	<6.77E-05	<6.77E-05	<6.77E-05	<7.41E-05	<6.38E-05	<7.41E-05	<6.77E-05	<7.41E-05	<1.78E-04	<1.36E-04	<1.61E-04	<1.36E-04	<1.63E-04		0.005
T-208		<6.07E-05	<6.78E-05	<6.78E-05	<6.78E-05	<7.42E-05	<6.39E-05	<7.42E-05	<6.78E-05	<7.42E-05	<1.78E-04	<1.37E-04	<1.61E-04	<1.37E-04	<1.63E-04		0.005
T-209		<6.68E-05	<7.45E-05	<7.45E-05	<7.45E-05	<8.17E-05	<7.03E-05	<8.17E-05	<7.45E-05	<8.17E-05	<1.96E-04	<1.50E-04	<1.78E-04	<1.50E-04	<1.79E-04		0.006
T-210		<6.08E-05	<6.79E-05	<6.79E-05	<6.79E-05	<7.44E-05	<6.40E-05	<7.44E-05	<6.79E-05	<7.44E-05	<1.78E-04	<1.37E-04	<1.62E-04	<1.37E-04	<1.63E-04		0.005
T-211		<6.05E-05	<6.75E-05	<6.75E-05	<6.75E-05	<7.40E-05	<6.37E-05	<7.40E-05	<6.75E-05	<7.40E-05	<1.77E-04	<1.36E-04	<1.61E-04	<1.36E-04	<1.63E-04		0.005
T-212		<1.08E-04	<1.21E-04	<1.21E-04	<1.21E-04	<1.33E-04	<1.14E-04	<1.33E-04	<1.21E-04	<1.33E-04	<3.18E-04	<2.44E-04	<2.88E-04	<2.44E-04	<2.91E-04		0.009
T-213		<9.31E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.14E-04	<9.81E-05	<1.14E-04	<1.04E-04	<1.14E-04	<2.73E-04	<2.10E-04	<2.48E-04	<2.10E-04	<2.50E-04		0.008
T-214		<6.41E-05	<7.16E-05	<7.16E-05	<7.16E-05	<7.84E-05	<6.76E-05	<7.84E-05	<7.16E-05	<7.84E-05	<1.88E-04	<1.44E-04	<1.71E-04	<1.44E-04	<1.72E-04		0.005
T-301		<7.27E-05	<8.11E-05	<8.11E-05	<8.11E-05	<8.89E-05	<7.65E-05	<8.89E-05	<8.11E-05	<8.89E-05	<2.13E-04	<1.64E-04	<1.93E-04	<1.64E-04	<1.95E-04		0.006
T-302		<1.22E-04	<1.36E-04	<1.36E-04	<1.36E-04	<1.49E-04	<1.28E-04	<1.49E-04	<1.36E-04	<1.49E-04	<3.57E-04	<2.74E-04	<3.23E-04	<2.74E-04	<3.27E-04		0.009
T-303		<7.55E-05	<8.43E-05	<8.43E-05	<8.43E-05	<9.24E-05	<7.96E-05	<9.24E-05	<8.43E-05	<9.24E-05	<2.22E-04	<1.70E-04	<2.01E-04	<1.70E-04	<2.03E-04		0.006
T-304		<6.37E-05	<7.11E-05	<7.11E-05	<7.11E-05	<7.79E-05	<6.70E-05	<7.79E-05	<7.11E-05	<7.79E-05	<1.87E-04	<1.43E-04	<1.69E-04	<1.43E-04	<1.71E-04		0.005
T-305		<6.35E-05	<7.09E-05	<7.09E-05	<7.09E-05	<7.77E-05	<6.69E-05	<7.77E-05	<7.09E-05	<7.77E-05	<1.86E-04	<1.43E-04	<1.69E-04	<1.43E-04	<1.71E-04		0.005
T-306		<6.34E-05	<7.08E-05	<7.08E-05	<7.08E-05	<7.76E-05	<6.68E-05	<7.76E-05	<7.08E-05	<7.76E-05	<1.86E-04	<1.43E-04	<1.69E-04	<1.43E-04	<1.70E-04		0.005
T-307		<6.32E-05	<7.05E-05	<7.05E-05	<7.05E-05	<7.73E-05	<6.65E-05	<7.73E-05	<7.05E-05	<7.73E-05	<1.85E-04	<1.42E-04	<1.68E-04	<1.42E-04	<1.70E-04		0.005
T-308		<6.83E-05	<7.62E-05	<7.62E-05	<7.62E-05	<8.35E-05	<7.19E-05	<8.35E-05	<7.62E-05	<8.35E-05	<2.00E-04	<1.54E-04	<1.82E-04	<1.54E-04	<1.84E-04		0.005
T-309		<1.77E-04	<1.98E-04	<1.98E-04	<1.98E-04	<2.16E-04	<1.86E-04	<2.16E-04	<1.98E-04	<2.16E-04	<5.19E-04	<3.99E-04	<4.70E-04	<3.99E-04	<4.76E-04		0.014
T-310		<9.13E-05	<1.02E-04	<1.02E-04	<1.02E-04	<1.12E-04	<9.62E-05	<1.12E-04	<1.02E-04	<1.12E-04	<2.68E-04	<2.06E-04	<2.43E-04	<2.06E-04	<2.46E-04		0.007
T-311		<1.25E-04	<1.40E-04	<1.40E-04	<1.40E-04	<1.53E-04	<1.32E-04	<1.53E-04	<1.40E-04	<1.53E-04	<3.68E-04	<2.82E-04	<3.33E-04	<2.82E-04	<3.37E-04		0.010
T-312		<8.23E-05	<9.19E-05	<9.19E-05	<9.19E-05	<1.01E-04	<8.67E-05	<1.01E-04	<9.19E-05	<1.01E-04	<2.42E-04	<1.85E-04	<2.19E-04	<1.85E-04	<2.21E-04		0.007
T-313		<7.03E-05	<7.85E-05	<7.85E-05	<7.85E-05	<8.60E-05	<7.41E-05	<8.60E-05	<7.85E-05	<8.60E-05	<2.06E-04	<1.58E-04	<1.87E-04	<1.58E-04	<1.89E-04		0.006
T-314		<6.41E-05	<7.16E-05	<7.16E-05	<7.16E-05	<7.84E-05	<6.76E-05	<7.84E-05	<7.16E-05	<7.84E-05	<1.88E-04	<1.44E-04	<1.71E-04	<1.44E-04	<1.72E-04		0.005
T-401		<7.66E-05	<8.56E-05	<8.56E-05	<8.56E-05	<9.37E-05	<8.07E-05	<9.37E-05	<8.56E-05	<9.37E-05	<2.27E-04	<1.74E-04	<2.05E-04	<1.74E-04	<2.08E-04		0.005
T-402		<1.02E-04	<1.14E-04	<1.14E-04	<1.14E-04	<1.25E-04	<1.08E-04	<1.25E-04	<1.14E-04	<1.25E-04	<3.03E-04	<2.33E-04	<2.74E-04	<2.33E-04	<2.78E-04		0.007
T-403		<1.88E-04	<2.10E-04	<2.10E-04	<2.10E-04	<2.30E-04	<1.98E-04	<2.30E-04	<2.10E-04	<2.30E-04	<5.58E-04	<4.28E-04	<5.04E-04	<4.28E-04	<5.12E-04		0.012
T-404		<9.79E-05	<1.09E-04	<1.09E-04	<1.09E-04	<1.20E-04	<1.03E-04	<1.20E-04	<1.09E-04	<1.20E-04	<2.87E-04	<2.21E-04	<2.60E-04	<2.21E-04	<2.63E-04		0.006
T-405		<9.66E-05	<1.08E-04	<1.08E-04	<1.08E-04	<1.18E-04	<1.02E-04	<1.18E-04	<1.08E-04	<1.18E-04	<2.84E-04	<2.18E-04	<2.57E-04	<2.18E-04	<2.60E-04		0.006
T-406		<9.89E-05	<1.10E-04	<1.10E-04	<1.10E-04	<1.21E-04	<1.04E-04	<1.21E-04	<1.10E-04	<1.21E-04	<2.92E-04	<2.24E-04	<2.64E-04	<2.24E-04	<2.68E-04		0.007
T-407		<1.57E-04	<1.75E-04	<1.75E-04	<1.75E-04	<1.91E-04	<1.65E-04	<1.91E-04	<1.75E-04	<1.91E-04	<4.62E-04	<3.54E-04	<4.17E-04	<3.54E-04	<4.27E-04		0.010
T-408		<7.65E-05	<8.54E-05	<8.54E-05	<8.54E-05	<9.36E-05	<8.06E-05	<9.36E-05	<8.54E-05	<9.36E-05	<2.27E-04	<1.74E-04	<2.05E-04	<1.74E-04	<2.09E-04		0.005
T-409		<9.34E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.14E-04	<9.84E-05	<1.14E-04	<1.04E-04	<1.14E-04	<2.74E-04	<2.11E-04	<2.48E-04	<2.11E-04	<2.51E-04		0.006
T-410		<1.15E-04	<1.28E-04	<1.28E-04	<1.28E-04	<1.41E-04	<1.21E-04	<1.41E-04	<1.28E-04	<1.41E-04	<3.39E-04	<2.60E-04	<3.06E-04	<2.60E-04	<3.13E-04		0.008
T-411		<1.47E-04	<1.64E-04	<1.64E-04	<1.64E-04	<1.79E-04	<1.55E-04	<1.79E-04	<1.64E-04	<1.79E-04	<4.33E-04	<3.32E-04	<3.91E-04	<3.32E-04	<4.00E-04		0.010
T-412		<7.29E-05	<8.14E-05	<8.14E-05	<8.14E-05	<8.91E-05	<7.68E-05	<8.91E-05	<8.14E-05	<8.91E-05	<2.16E-04	<1.66E-04	<1.95E-04	<1.66E-04	<1.98E-04		0.005
T-413		<8.12E-05	<9.06E-05	<9.06E-05	<9.06E-05	<9.93E-05	<8.55E-05	<9.93E-05	<9.06E-05	<9.93E-05	<2.39E-04	<1.84E-04	<2.16E-04	<1.84E-04	<2.20E-04		0.005
T-414		<7.37E-05	<8.23E-05	<8.23E-05	<8.23E-05	<9.01E-05	<7.76E-05	<9.01E-05	<8.23E-05	<9.01E-05	<2.18E-04	<1.68E-04	<1.97E-04	<1.68E-04	<2.01E-04		0.005
T-501		<5.19E-04	<5.79E-04	<5.79E-04	<5.79E-04	<6.35E-04	<5.47E-04	<6.35E-04	<5.79E-04	<6.35E-04	<1.54E-03	<1.18E-03	<1.39E-03	<1.18E-03	<1.41E-03		0.033
T-502		<1.52E-04	<1.69E-04	<1.69E-04	<1.69E-04	<1.85E-04	<1.60E-04	<1.85E-04	<1.69E-04	<1.85E-04	<4.45E-04	<3.42E-04	<4.03E-04	<3.42E-04	<4.08E-04		0.010
T-503		<3.02E-04	<3.37E-04	<3.37E-04	<3.37E-04	<3.69E-04	<3.18E-04	<3.69E-04	<3.37E-04	<3.69E-04	<8.90E-04	<6.83E-04	<8.05E-04	<6.83E-04	<8.19E-04		0.019
T-504		<1.63E-04	<1.81E-04	<1.81E-04	<1.81E-04	<1.99E-04	<1.71E-04	<1.99E-04	<1.81E-04	<1.99E-04	<4.81E-04	<3.69E-04	<4.34E-04	<3.69E-04	<4.44E-04		0.010
T-505		<1.11E-04	<1.24E-04	<1.24E-04	<1.24E-04	<1.35E-04	<1.17E-04	<1.35E-04	<1.24E-04	<1.35E-04	<3.25E-04	<2.50E-04	<2.95E-04	<2.50E-04	<2.98E-04		0.007
T-506		<9.62E-05	<1.07E-04	<1.07E-04	<1.07E-04	<1.18E-04	<1.01E-04	<1.18E-04	<1.07E-04	<1.18E-04	<2.84E-04	<2.18E-04	<2.57E-04	<2.18E-04	<2.61E-04		0.006
T-507		<7.92E-05	<8.85E-05	<8.85E-05	<8.85E-05	<9.69E-05	<8.35E-05	<9.69E-05	<8.85E-05	<9.69E-05	<2.34E-04	<1.79E-04	<2.11E-04	<1.79E-04	<2.16E-04		0.005
T-508		<1.06E-04	<1.18E-04	<1.18E-04	<1.18E-04	<1.30E-04	<1.12E-04	<1.30E-04	<1.18E-04	<1.30E-04	<3.13E-04	<2.40E-04	<2.83E-04	<2.40E-04	<2.88E-04		0.007
T-509		<8.65E-05	<9.65E-05	<9.65E-05	<9.65E-05	<1.06E-04	<9.11E-05	<1.06E-04	<9.65E-05	<1.06E-04	<2.54E-04	<1.95E-04	<2.30E-04	<1.95E-04	<2.33E-04		0.005
T-510		<8.81E-05	<9.84E-05	<9.84E-05	<9.84E-05	<1.08E-04	<9.28E-05	<1.08E-04	<9.84E-05	<1.08E-04	<2.61E-04	<2.00E-04	<2.36E-04	<2.00E-04	<2.41E-04		0.006
T-511		<8.12E-05	<9.07E-05	<9.07E-05	<9.07E-05	<9.93E-05	<8.55E-05	<9.93E-05	<9.07E-05	<9.93E-05	<2.38E-04	<1.83E-04	<2.16E-04	<1.83E-04	<2.20E-04		0.005
T-512		<2.40E-04	<2.67E-04	<2.67E-04	<2.67E-04	<2.93E-04	<2.52E-04	<2.93E-04	<2.67E-04	<2.93E-04	<7.09E-04	<5.44E-04	<6.40E-04	<5.44E-04	<6.54E-04		0.016
T-513		<2.18E-04	<2.44E-04	<2.44E-04	<2.44E-04	<2.67E-04	<2.30E-04	<2.67E-04	<2.44E-04	<2.67E-04	<6.43E-04	<4.94E-04	<5.82E-04	<4.94E-04	<5.95E-04		0.015
T-514		<7.75E-05	<8.66E-05	<8.66E-05	<8.66E-05	<9.48E-05	<8.17E-05	<9.48E-05	<8.66E-05	<9.48E-05	<2.28E-04	<1.75E-04	<2.06E-04	<1.75E-04	<2.10E-04		0.005

Table 4. TO-14 Compound Data | Data shaded in magenta had all non-detects for this test event |

Sample ID	Compound	Propane	Propene	Ethane	n-Butane	Acetylene	n-Pentane	Ethene	1,2,4-Trimethylbenzene	t-2-Butene	Methylcyclohexane	i-Pentane	2,2,4-Trimethylpentane	n-propylbenzene	Toluene	Ethylbenzene
	CAS	74-98-6	115-07-1	74-84-0	106-97-8	74-86-2	109-66-0	74-85-1	95-63-6	624-64-6	108-87-2	78-78-4	540-84-1	103-65-1	108-88-3	100-41-4
	MW	44.1	42.1	30.1	58.1	26	72.1	28.1	120.2	56.1	98.2	72.2	114.2	120.2	92.1	106.2
Lab Data (ppbv)																
T-101		ND	3.41	2.52	ND	2.33	ND	ND	0.53	ND	ND	ND	ND	0.96	ND	ND
T-102		ND	3.97	2.82	ND	3.3	ND	ND	ND	ND	ND	ND	ND	1.39	ND	ND
T-103		ND	1.54	ND	ND	ND	ND	ND	ND	4.45	ND	ND	ND	ND	ND	ND
T-104		7.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105		ND	4.78	2.38	ND	3.68	ND	ND	ND	1.71	ND	ND	ND	ND	ND	ND
T-106		ND	2.32	2.9	ND	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND
T-107		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108		1.43	ND	3.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		2.38	ND	5.44	ND	2.43	ND	ND	ND	ND	ND	5.52	ND	ND	ND	ND
T-110		6.11	45.44	3.54	1.28	4.79	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND
T-111		ND	5.85	10.26	1.61	2.04	ND	ND	ND	1.46	ND	ND	0.61	ND	ND	ND
T-112		75.03	68.24	85.54	1.9	22.55	5.84	ND	5.46	57.47	10.47	11.43	37.52	4.96	3.32	2.12
T-113		ND	66.19	96.94	ND	8.8	5.06	ND	2.72	52.45	9.37	10.07	33.54	3.6	2.63	1.58
T-114		5.6	53.54	6.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		ND	3.87	2.17	ND	ND	ND	ND	ND	1.5	ND	ND	0.64	ND	ND	ND
T-202		ND	18	2.43	ND	2.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		2.4	2	2.44	ND	ND	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204		2	1.87	ND	2.78	ND	ND	ND	ND	ND	ND	ND	0.57	31.54	0.73	ND
T-205		5.59	45.08	3.27	ND	3.38	1.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206		4.68	48.94	3.13	ND	4.17	ND	ND	0.64	ND	ND	ND	ND	0.68	ND	ND
T-207		ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208		1.79	ND	3.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209		3.85	5.15	3.03	1.09	ND	1.41	ND	ND	ND	ND	2.19	ND	ND	ND	ND
T-210		44.92	49.52	4.26	26.78	9.71	4.63	ND	ND	ND	3.35	12.21	1.73	3.46	0.93	1.48
T-211		ND	7.83	3.82	8.88	3.82	1.8	ND	ND	1.23	1.04	3.99	ND	0.71	ND	ND
T-212		ND	65.99	21.65	25.57	31.3	15.99	ND	17.46	1.1	5.66	22.23	2.68	50.3	27.38	6.43
T-213		ND	72.12	24.2	26.42	36.97	12.55	ND	ND	ND	1.17	22.43	ND	ND	ND	ND
T-214		4.95	44.34	6.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		5.53	ND	2.25	ND	ND	ND	ND	ND	ND	ND	0.98	ND	ND	ND	ND
T-302		7.53	19.58	6.07	1.05	2.29	1.91	ND	ND	1.36	ND	2.63	ND	ND	ND	ND
T-303		8.42	6.63	7.28	2.8	6.25	2.47	ND	ND	ND	ND	3.51	ND	ND	0.67	ND
T-304		47.27	34.96	10.36	28.09	29.57	24.28	ND	ND	1.27	1.83	73.37	1.8	ND	7.77	4.42
T-305		12.02	52.28	3.91	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306		6.8	45.68	3.23	1.26	5.46	ND	ND	ND	10.3	ND	ND	1.34	ND	ND	ND
T-307		42.4	4.7	41.01	16.62	2.01	1.52	10.55	2.07	ND	2.51	3.38	1.34	2.03	0.74	2.12
T-308		234.67	70.41	79.8	43.62	9.24	4.89	3.72	10.89	21.4	8.66	6.58	9.03	ND	2.03	6.16
T-309		ND	3.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310		1.83	ND	3.24	1.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311		19.33	27.28	5.42	ND	ND	ND	ND	ND	1.63	ND	ND	ND	ND	ND	ND
T-312		ND	ND	84.27	13.44	59.55	6.98	63.99	40.25	ND	ND	9.35	0.89	9.18	3.94	48.81
T-313		ND	ND	72.42	2.99	153.22	4.49	166.73	ND	ND	ND	ND	ND	ND	ND	2.43
T-314		3.5	17.37	3.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401		2.25	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402		2.01	ND	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403		3.84	10.12	6.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404		1.74	7.76	10.42	ND	ND	ND	3.34	ND	ND	ND	ND	ND	ND	ND	ND
T-405		6.29	26.48	10.38	ND	ND	ND	2.71	ND	ND	ND	ND	ND	ND	ND	ND
T-406		2.61	ND	2.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407		7.19	1.95	3.63	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408		109.12	50.85	21.33	34.63	ND	1.86	9.9	ND	2.13	ND	12.92	1.65	ND	0.75	ND
T-409		2.36	2.22	3.72	ND	ND	1.18	ND	1.1	2.1	ND	ND	4.83	0.77	ND	ND
T-410		17.24	3.06	3.2	3.23	ND	1.21	2.6	0.66	2.26	ND	ND	4.52	ND	ND	ND
T-411		137.95	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412		ND	40.75	3.99	223.37	ND	116.44	ND	1.68	ND	1.96	ND	4.78	ND	9.59	15.51
T-413		441.33	46.32	ND	32.71	ND	103.49	ND	162.47	33.85	180.57	ND	5.07	ND	59.71	12.33
T-414		5.88	48.07	19.01	ND	ND	ND	4.9	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		87.39	5.94	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND	ND	ND	ND
T-503		30.95	ND	3.62	17.75	ND	1.61	ND	0.89	ND	ND	6.4	ND	ND	ND	ND
T-504		4.56	ND	3.42	ND	ND	ND	ND	2.02	ND	ND	ND	3.95	ND	ND	ND
T-505		5.11	37.07	14.92	ND	ND	ND	3.92	ND	ND	ND	ND	ND	ND	ND	ND
T-506		5.15	29.06	14.18	ND	ND	ND	3.59	ND	ND	ND	ND	ND	ND	ND	ND
T-507		2.02	2.31	2.54	ND	ND	ND	ND	ND	ND	ND	ND	7.63	ND	ND	ND
T-508		3.56	1.84	3.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509		7.88	46.19	18.7	ND	ND	ND	4.18	ND	ND	ND	ND	ND	ND	ND	ND
T-510		30.77	23.59	26.33	16.07	ND	3.33	7.59	18.67	34.61	3.87	4.11	16.34	26.33	0.79	5.21
T-511		ND	ND	2.99	ND	ND	ND	ND	ND	ND	ND	ND	8.45	ND	ND	ND
T-512		2.59	11.47	7.07	ND	ND	ND	ND	2.58	ND	ND	ND	ND	ND	ND	ND
T-513		ND	2.23	6.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514		ND	ND	2.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	Propane	Propene	Ethane	n-Butane	Acetylene	n-Pentane	Ethene	1,2,4-Trimethylbenzene	t-2-Butene	Methylcyclohexane	i-Pentane	2,2,4-Trimethylpentane	n-propylbenzene	Toluene	Ethylbenzene
CAS	74-98-6	115-07-1	74-84-0	106-97-8	74-86-2	109-66-0	74-85-1	95-63-6	624-64-6	108-87-2	78-78-4	540-84-1	103-65-1	108-88-3	100-41-4
MW	44.1	42.1	30.1	58.1	26	72.1	28.1	120.2	56.1	98.2	72.2	114.2	120.2	92.1	106.2
MDL (ppbv)															
T-101	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-102	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-103	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-104	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-105	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-106	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-107	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-108	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-109	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-110	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-111	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-112	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-113	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-114	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-201	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-202	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-203	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-204	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-205	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-206	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-207	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-208	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-209	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-210	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-211	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-212	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-213	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-214	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-301	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-302	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-303	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-304	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-305	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-306	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-307	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-308	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-309	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-310	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-311	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-312	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-313	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-314	1.33	1.33	2.00	1.00	2.00	0.80	2.00	0.44	1.00	0.57	0.80	0.50	0.44	0.57	0.50
T-401	1.58	1.58	2.38	1.19	2.38	0.95	2.38	0.53	1.19	0.68	0.95	0.59	0.53	0.68	0.59
T-402	1.59	1.59	2.39	1.19	2.39	0.95	2.39	0.53	1.19	0.68	0.95	0.60	0.53	0.68	0.60
T-403	1.59	1.59	2.38	1.19	2.38	0.95	2.38	0.53	1.19	0.68	0.95	0.59	0.53	0.68	0.59
T-404	1.57	1.57	2.36	1.18	2.36	0.94	2.36	0.52	1.18	0.67	0.94	0.59	0.52	0.67	0.59
T-405	1.66	1.66	2.49	1.24	2.49	1.00	2.49	0.55	1.24	0.71	1.00	0.62	0.55	0.71	0.62
T-406	1.61	1.61	2.41	1.20	2.41	0.96	2.41	0.54	1.20	0.69	0.96	0.60	0.54	0.69	0.60
T-407	1.20	1.20	1.61	1.20	1.61	0.96	2.41	0.54	0.96	0.69	0.96	0.69	0.54	0.60	0.60
T-408	1.63	1.63	2.44	1.22	2.44	0.98	2.44	0.54	1.22	0.70	0.98	0.61	0.54	0.70	0.61
T-409	1.24	1.24	1.65	1.24	1.65	0.99	2.48	0.55	0.99	0.71	0.99	0.71	0.55	0.62	0.62
T-410	1.64	1.64	2.47	1.23	2.47	0.99	2.47	0.55	1.23	0.70	0.99	0.62	0.55	0.70	0.62
T-411	1.64	1.64	2.47	1.23	2.47	0.99	2.47	0.55	1.23	0.70	0.99	0.62	0.55	0.70	0.62
T-412	1.58	1.58	2.37	1.19	2.37	0.95	2.37	0.53	1.19	0.68	0.95	0.59	0.53	0.68	0.59
T-413	1.76	1.76	2.63	1.32	2.63	1.05	2.63	0.59	1.32	0.75	1.05	0.66	0.59	0.75	0.66
T-414	1.55	1.55	2.32	1.16	2.32	0.93	2.32	0.52	1.16	0.66	0.93	0.58	0.52	0.66	0.58
T-501	1.58	1.58	2.38	1.19	2.38	0.95	2.38	0.53	1.19	0.68	0.95	0.59	0.53	0.68	0.59
T-502	1.57	1.57	2.35	1.18	2.35	0.94	2.35	0.52	1.18	0.67	0.94	0.59	0.52	0.67	0.59
T-503	1.60	1.60	2.39	1.20	2.39	0.96	2.39	0.53	1.20	0.68	0.96	0.60	0.53	0.68	0.60
T-504	1.62	1.62	2.43	1.22	2.43	0.97	2.43	0.54	1.22	0.69	0.97	0.61	0.54	0.69	0.61
T-505	1.65	1.65	2.48	1.24	2.48	0.99	2.48	0.55	1.24	0.71	0.99	0.62	0.55	0.71	0.62
T-506	1.60	1.60	2.41	1.20	2.41	0.96	2.41	0.53	1.20	0.69	0.96	0.60	0.53	0.69	0.60
T-507	1.64	1.64	2.46	1.23	2.46	0.99	2.46	0.55	1.23	0.70	0.99	0.62	0.55	0.70	0.62
T-508	1.60	1.60	2.40	1.20	2.40	0.96	2.40	0.53	1.20	0.69	0.96	0.60	0.53	0.69	0.60
T-509	1.68	1.68	2.52	1.26	2.52	1.01	2.52	0.56	1.26	0.72	1.01	0.63	0.56	0.72	0.63
T-510	1.55	1.55	2.33	1.16	2.33	0.93	2.33	0.52	1.16	0.66	0.93	0.58	0.52	0.66	0.58
T-511	1.69	1.69	2.53	1.27	2.53	1.01	2.53	0.56	1.27	0.72	1.01	0.63	0.56	0.72	0.63
T-512	1.63	1.63	2.44	1.22	2.44	0.98	2.44	0.54	1.22	0.70	0.98	0.61	0.54	0.70	0.61
T-513	1.56	1.56	2.34	1.17	2.34	0.94	2.34	0.52	1.17	0.67	0.94	0.59	0.52	0.67	0.59
T-514	1.61	1.61	2.42	1.21	2.42	0.97	2.42	0.54	1.21	0.69	0.97	0.61	0.54	0.69	0.61

Sample ID	Compound	Propane	Propene	Ethane	n-Butane	Acetylene	n-Pentane	Ethene	1,2,4-Trimethylbenzene	t-2-Butene	Methylcyclohexane	i-Pentane	2,2,4-Trimethylpentane	n-propylbenzene	Toluene	Ethylbenzene
	CAS	74-98-6	115-07-1	74-84-0	106-97-8	74-86-2	109-66-0	74-85-1	95-63-6	624-64-6	108-87-2	78-78-4	540-84-1	103-65-1	108-88-3	100-41-4
	MW	44.1	42.1	30.1	58.1	26	72.1	28.1	120.2	56.1	98.2	72.2	114.2	120.2	92.1	106.2
Data Used (ug/m3)																
T-101		<1.13E+00	5.53	2.92	<1.12E+00	2.33	<1.11E+00	<1.08E+00	2.45	<1.08E+00	<1.08E+00	<1.11E+00	<1.10E+00	4.44	<1.01E+00	<1.02E+00
T-102		<1.14E+00	6.47	3.29	<1.12E+00	3.32	<1.12E+00	<1.09E+00	<1.03E+00	<1.09E+00	<1.09E+00	<1.12E+00	<1.11E+00	6.47	<1.02E+00	<1.03E+00
T-103		<1.12E+00	2.47	<1.15E+00	<1.11E+00	<9.91E-01	<1.10E+00	<1.07E+00	<1.02E+00	9.51	<1.07E+00	<1.10E+00	<1.09E+00	<1.02E+00	<1.00E+00	<1.01E+00
T-104		12.61	<1.07E+00	<1.15E+00	<1.11E+00	<9.92E-01	<1.10E+00	<1.07E+00	<1.02E+00	<1.07E+00	<1.07E+00	<1.10E+00	<1.09E+00	<1.02E+00	<1.00E+00	<1.01E+00
T-105		<1.14E+00	7.83	2.79	<1.13E+00	3.72	<1.12E+00	<1.09E+00	<1.04E+00	3.73	<1.09E+00	<1.12E+00	<1.11E+00	<1.04E+00	<1.02E+00	<1.03E+00
T-106		<1.14E+00	3.78	3.38	<1.12E+00	<1.01E+00	<1.12E+00	<1.09E+00	<1.03E+00	2.24	<1.09E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.02E+00	<1.03E+00
T-107		<1.14E+00	<1.09E+00	<1.17E+00	<1.12E+00	<1.01E+00	<1.12E+00	<1.09E+00	<1.03E+00	<1.09E+00	<1.09E+00	<1.12E+00	<1.11E+00	<1.03E+00	<1.02E+00	<1.03E+00
T-108		2.46	<1.10E+00	4.56	<1.13E+00	<1.02E+00	<1.13E+00	<1.10E+00	<1.04E+00	<1.10E+00	<1.10E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.03E+00	<1.04E+00
T-109		4.11	<1.10E+00	6.42	<1.14E+00	2.48	<1.13E+00	<1.10E+00	<1.05E+00	<1.10E+00	<1.10E+00	15.62	<1.12E+00	<1.05E+00	<1.03E+00	<1.04E+00
T-110		10.47	74.32	4.14	2.89	4.84	<1.12E+00	<1.09E+00	<1.04E+00	<1.09E+00	<1.09E+00	<1.12E+00	6.12	<1.04E+00	<1.02E+00	<1.03E+00
T-111		<1.14E+00	9.55	11.98	3.63	2.06	<1.12E+00	<1.09E+00	<1.04E+00	3.18	<1.09E+00	<1.12E+00	2.70	<1.04E+00	<1.02E+00	<1.03E+00
T-112		127.86	111.01	99.49	4.27	22.66	16.27	<1.09E+00	25.36	124.58	39.73	31.89	165.57	23.04	11.82	8.70
T-113		<1.14E+00	107.68	112.75	<1.12E+00	8.84	14.10	<1.09E+00	12.63	113.70	35.56	28.09	148.01	16.72	9.36	6.48
T-114		10.23	93.35	8.43	<1.20E+00	<1.08E+00	<1.19E+00	<1.16E+00	<1.11E+00	<1.16E+00	<1.16E+00	<1.20E+00	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-201		<1.17E+00	6.47	2.59	<1.15E+00	<1.03E+00	<1.14E+00	<1.12E+00	<1.06E+00	3.34	<1.11E+00	<1.15E+00	2.90	<1.06E+00	<1.04E+00	<1.05E+00
T-202		<1.19E+00	30.58	2.95	<1.17E+00	2.39	<1.16E+00	<1.13E+00	<1.08E+00	<1.13E+00	<1.13E+00	<1.17E+00	<1.15E+00	<1.08E+00	<1.06E+00	<1.07E+00
T-203		4.24	3.37	2.94	<1.16E+00	<1.04E+00	2.51	<1.13E+00	<1.07E+00	<1.12E+00	<1.12E+00	<1.16E+00	<1.14E+00	<1.07E+00	<1.05E+00	<1.06E+00
T-204		3.53	3.15	<1.20E+00	6.46	<1.04E+00	<1.15E+00	<1.12E+00	<1.07E+00	<1.12E+00	<1.12E+00	<1.15E+00	2.60	151.57	2.69	<1.06E+00
T-205		9.64	74.25	3.85	<1.14E+00	3.44	2.85	<1.10E+00	<1.05E+00	<1.10E+00	<1.10E+00	<1.13E+00	<1.12E+00	<1.05E+00	<1.03E+00	<1.04E+00
T-206		8.10	80.90	3.70	<1.14E+00	4.26	<1.13E+00	<1.10E+00	3.02	<1.10E+00	<1.10E+00	<1.13E+00	<1.12E+00	3.21	<1.03E+00	<1.04E+00
T-207		<1.15E+00	<1.10E+00	3.18	<1.14E+00	<1.02E+00	<1.13E+00	<1.10E+00	<1.05E+00	<1.10E+00	<1.10E+00	<1.13E+00	<1.12E+00	<1.05E+00	<1.03E+00	<1.04E+00
T-208		3.09	<1.10E+00	3.59	<1.14E+00	<1.02E+00	<1.13E+00	<1.10E+00	<1.05E+00	<1.10E+00	<1.10E+00	<1.13E+00	<1.12E+00	<1.05E+00	<1.03E+00	<1.04E+00
T-209		6.63	8.47	3.56	2.47	<1.02E+00	3.97	<1.10E+00	<1.04E+00	<1.10E+00	<1.10E+00	6.18	<1.12E+00	<1.04E+00	<1.03E+00	<1.04E+00
T-210		77.78	81.86	5.03	61.09	9.91	13.11	<1.10E+00	<1.05E+00	<1.10E+00	12.92	34.61	7.76	16.33	3.36	6.17
T-211		<1.15E+00	12.87	4.49	20.15	3.88	5.07	<1.10E+00	<1.04E+00	2.69	3.99	11.25	<1.12E+00	3.33	<1.03E+00	<1.04E+00
T-212		<1.15E+00	108.89	25.54	58.23	31.90	45.19	<1.10E+00	82.26	2.42	21.78	62.91	12.00	236.97	98.84	26.76
T-213		<1.15E+00	119.00	28.55	60.16	37.67	35.47	<1.10E+00	<1.05E+00	<1.10E+00	4.50	63.47	<1.12E+00	<1.05E+00	<1.03E+00	<1.04E+00
T-214		9.04	77.31	7.75	<1.20E+00	<1.08E+00	<1.19E+00	<1.16E+00	<1.11E+00	<1.16E+00	<1.16E+00	<1.20E+00	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-301		10.08	<1.16E+00	2.80	<1.20E+00	<1.07E+00	<1.19E+00	<1.16E+00	<1.10E+00	<1.16E+00	<1.16E+00	2.92	<1.18E+00	<1.10E+00	<1.09E+00	<1.10E+00
T-302		13.78	34.20	7.58	2.53	2.47	5.71	<1.17E+00	<1.11E+00	3.17	<1.16E+00	7.88	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-303		15.29	11.49	9.02	6.70	6.69	7.33	<1.16E+00	<1.10E+00	<1.16E+00	<1.16E+00	10.44	<1.18E+00	<1.10E+00	2.54	<1.09E+00
T-304		85.69	60.50	12.82	67.08	31.60	71.96	<1.16E+00	<1.10E+00	2.93	7.39	217.74	8.45	<1.10E+00	29.41	19.29
T-305		21.75	90.30	4.83	<1.19E+00	5.33	<1.18E+00	<1.15E+00	<1.10E+00	<1.15E+00	<1.15E+00	<1.18E+00	<1.17E+00	<1.10E+00	<1.08E+00	<1.09E+00
T-306		12.28	78.75	3.98	3.00	5.81	<1.18E+00	<1.15E+00	<1.09E+00	23.66	<1.15E+00	<1.18E+00	6.27	<1.09E+00	<1.08E+00	<1.09E+00
T-307		76.29	8.07	50.36	39.40	2.13	4.47	12.09	10.15	<1.14E+00	10.06	9.96	6.24	9.95	2.78	9.19
T-308		423.00	121.16	98.18	103.59	9.82	14.41	4.27	53.50	49.07	34.76	19.42	42.15	<1.09E+00	7.64	26.74
T-309		<1.22E+00	6.92	<1.25E+00	<1.20E+00	<1.08E+00	<1.19E+00	<1.16E+00	<1.11E+00	<1.16E+00	<1.16E+00	<1.20E+00	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-310		3.35	<1.16E+00	4.05	2.92	<1.08E+00	<1.20E+00	<1.17E+00	<1.11E+00	<1.16E+00	<1.16E+00	<1.20E+00	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-311		35.10	47.30	6.72	<1.20E+00	<1.07E+00	<1.19E+00	<1.16E+00	<1.10E+00	3.77	<1.16E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.08E+00	<1.09E+00
T-312		<1.20E+00	<1.15E+00	103.49	31.86	63.17	20.53	73.36	197.38	<1.14E+00	<1.14E+00	27.54	4.15	45.02	14.80	211.48
T-313		<1.20E+00	<1.15E+00	88.93	7.09	162.53	13.21	191.14	<1.09E+00	<1.14E+00	<1.14E+00	<1.18E+00	<1.16E+00	<1.09E+00	<1.07E+00	10.53
T-314		6.39	30.29	4.85	<1.20E+00	<1.08E+00	<1.19E+00	<1.16E+00	<1.11E+00	<1.16E+00	<1.16E+00	<1.20E+00	<1.18E+00	<1.11E+00	<1.09E+00	<1.10E+00
T-401		4.16	<1.40E+00	3.28	<1.45E+00	<1.30E+00	<1.44E+00	<1.40E+00	<1.33E+00	<1.40E+00	<1.40E+00	<1.44E+00	<1.42E+00	<1.33E+00	<1.31E+00	<1.32E+00
T-402		3.72	<1.41E+00	3.83	<1.45E+00	<1.30E+00	<1.44E+00	<1.41E+00	<1.34E+00	<1.40E+00	<1.40E+00	<1.45E+00	<1.43E+00	<1.34E+00	<1.32E+00	<1.33E+00
T-403		7.22	18.16	8.49	<1.47E+00	<1.32E+00	<1.46E+00	<1.42E+00	<1.35E+00	<1.42E+00	<1.42E+00	<1.46E+00	<1.45E+00	<1.35E+00	<1.33E+00	<1.35E+00
T-404		3.23	13.74	13.19	<1.44E+00	<1.29E+00	<1.43E+00	3.95	<1.33E+00	<1.39E+00	<1.39E+00	<1.43E+00	<1.42E+00	<1.33E+00	<1.31E+00	<1.32E+00
T-405		11.38	45.74	12.82	<1.48E+00	<1.33E+00	<1.47E+00	3.12	<1.36E+00	<1.43E+00	<1.43E+00	<1.47E+00	<1.46E+00	<1.36E+00	<1.34E+00	<1.36E+00
T-406		4.63	<1.36E+00	3.52	<1.41E+00	<1.26E+00	<1.40E+00	<1.36E+00	<1.29E+00	<1.36E+00	<1.36E+00	<1.40E+00	<1.38E+00	<1.29E+00	<1.27E+00	<1.29E+00
T-407		12.59	3.26	4.34	3.46	<8.29E-01	<1.38E+00	<1.34E+00	<1.28E+00	<1.07E+00	<1.34E+00	<1.38E+00	<1.56E+00	<1.28E+00	<1.10E+00	<1.27E+00
T-408		196.69	87.50	26.24	82.24	<1.30E+00	5.48	11.37	<1.33E+00	4.88	<1.40E+00	38.13	7.70	<1.33E+00	2.82	<1.32E+00
T-409		4.12	3.70	4.43	<1.42E+00	<8.50E-01	3.36	<1.38E+00	5.23	4.66	<1.38E+00	<1.42E+00	21.81	3.66	<1.13E+00	<1.30E+00
T-410		30.56	5.18	3.87	7.54	<1.29E+00	3.51	2.94	3.19	5.10	<1.39E+00	<1.43E+00	20.75	<1.32E+00	<1.30E+00	<1.32E+00
T-411		238.44	9.90	<1.46E+00	<1.40E+00	<1.26E+00	<1.39E+00	<1.36E+00	<1.29E+00	<1.36E+00	<1.36E+00	<1.40E+00	<1.38E+00	<1.29E+00	<1.27E+00	<1.28E+00
T-412		<1.39E+00	68.46	4.79	517.91	<1.23E+00	335.04	<1.33E+00	8.06	<1.33E+00	7.68	<1.37E+00	21.78	<1.26E+00	35.25	65.73
T-413		776.70	77.82	<1.58E+00	75.84	<1.37E+00	297.77	<1.48E+00	779.35	75.78	707.64	<1.52E+00	23.11	<1.40E+00	219.46	52.26
T-414		10.74	83.81	23.70	<1.40E+00	<1.25E+00	<1.39E+00	5.70	<1.28E+00	<1.35E+00	<1.35E+00	<1.39E+00	<1.37E+00	<1.28E+00	<1.27E+00	<1.28E+00
T-501		<1.50E+00	<1.43E+00	<1.54E+00	<1.48E+00	<1.33E+00	<1.47E+00	<1.43E+00	<1.36E+00	<1.43E+00	<1.43E+00	<1.47E+00	<1.46E+00	<1.36E+00	<1.34E+00	<1.35E+00
T-502		163.62	10.62	<1.50E+00	<1.45E+00	<1.30E+00	<1.44E+00	<1.40E+00	<1.33E+00	<1.40E+00	2.79	<1.44E+00	<1.42E+00	<1.33E+00	<1.31E+00	<1.32E+00
T-503		58.29	<1.43E+00	4.65	44.04	<1.33E+00	4.96	<1.44E+00	4.57	<1.43E+00	<1.43E+00	19.73	<1.46E+00	<1.37E+00	<1.35E+00	<1.36E+00
T-504		8.54	<1.45E+00	4.37	<1.50E+00	<1.34E+00	<1.49E+00	<1.45E+00	10.31	<1.45E+00	<1.45E+00	<1.49E+00	19.15	<1.38E+00	<1.36E+00	<1.37E+00
T-505		9.33	64.63	18.60	<1.49E+00	<1.33E+00	<1.48E+00	4.56	<1.37E+00	<1.44E+00	<1.44E+00	<1.48E+00	<1.47E+00	<1.37E+00	<1.35E+00	<1.36E+00
T-506		9.42	50.76	17.71	<1.45E+00	<1.30E+00	<1.44E+00	4.19	<1.33E+00	<1.40E+00	<1.40E+00	<1.44E+00	<1.43E+00	<1.33E+00	<1.31E+00	<1.33E+00
T-507		3.72	4.07	3.20	<1.50E+00	<1.34E+00	<1.48E+00	<1.45E+00	<1.38E+00	<1.44E+00	<1.44E+00	<1.49E+00	36.43	<1.38E+00	<1.35E+00	<1.37E+00
T-508		6.54	3.23	4.73	<1.45E+00	<1.30E+00	<1.44E+00	<1.40E+00	<1.33E+00	<1.40E+00	<1.40E+00	<1.44E+00	<1.43E+00	<1.33E+00	<1.31E+00	<1.33E+00
T-509		14.28	79.93	23.14	<1.50E+00	<1.35E+00	<1.49E+00	4.83	<1.38E+00	<1.45E+00	<1.45E+00	<1.49E+00	<1.48E+00	<1.38E+00	<1.36E+00	<1.37E+00
T-510		55.88	40.90	32.64	38.45	<1.24E+00	9.89	8.78	92.42	79.96	15.65	12.22	76.84	130.33	3.00	22.79
T-511		<1.51E+00	<1.44E+00	3.65	<1.49E+00	<1.34E+00	<1.48E+00	<1.44E+00	<1.37E+00	<1.44E+00	<1.44E+00	<1.48E+00	39.15	<1.37E+00	<1.35E+00	<1.37E+00
T-512		4.65	19.66	8.67	<1.44E+00	<1.29E+00	<1.43E+00	<1.40E+00	12.63	<1.39E+00	<1.39E+00	<1.44E+00	<1.42E+00	<1.33E+00	<1.31E+00	<1.32E+00
T-513		<1.40E+00	3.82	7.78	<1.38E+00	<1.24E+00	<1.37E+00	<1.34E+00	<1.27E+00	<1.34E+00	<1.34E+00	<1.38E+00	<1.36E+00	<1.27E+00	<1.25E+00	<1.27E+00
T-514		<1.47E+00	<1.41E+00	3.22	<1.46E+00	<1.30E+00	<1.45E+00	<1.41E+00	<1.34E+00	<1.41E+00	<1.41E+00	<1.45E+00	<1.43E+00	<1.34E+00	<1.32E+00	<1.33E+00

Sample ID	Compound	Propane	Propene	Ethane	n-Butane	Acetylene	n-Pentane	Ethene	1,2,4-Trimethylbenzene	t-2-Butene	Methylcyclohexane	i-Pentane	2,2,4-Trimethylpentane	n-propylbenzene	Toluene	Ethylbenzene
	CAS	74-98-6	115-07-1	74-84-0	106-97-8	74-86-2	109-66-0	74-85-1	95-63-6	624-64-6	108-87-2	78-78-4	540-84-1	103-65-1	108-88-3	100-41-4
	MW	44.1	42.1	30.1	58.1	26	72.1	28.1	120.2	56.1	98.2	72.2	114.2	120.2	92.1	106.2
Flux (mg/m2-min)																
T-101		<6.46E-05	0.0003	0.0002	<6.39E-05	0.0001	<6.34E-05	<6.18E-05	0.0001	<6.17E-05	<6.17E-05	<6.35E-05	<6.28E-05	0.0003	<5.79E-05	<5.84E-05
T-102		<4.85E-05	0.0003	0.0001	<4.79E-05	0.0001	<4.76E-05	<4.64E-05	<4.41E-05	<4.63E-05	<4.63E-05	<4.77E-05	<4.71E-05	0.0003	<4.34E-05	<4.38E-05
T-103		<1.31E-04	0.0003	<1.34E-04	<1.29E-04	<1.15E-04	<1.28E-04	<1.25E-04	<1.19E-04	0.0011	<1.25E-04	<1.28E-04	<1.27E-04	<1.19E-04	<1.17E-04	<1.18E-04
T-104		0.0016	<1.34E-04	<1.44E-04	<1.39E-04	<1.24E-04	<1.38E-04	<1.34E-04	<1.28E-04	<1.34E-04	<1.34E-04	<1.38E-04	<1.37E-04	<1.28E-04	<1.26E-04	<1.27E-04
T-105		<4.40E-05	0.0003	0.0001	<4.35E-05	0.0001	<4.32E-05	<4.21E-05	<4.00E-05	0.0001	<4.20E-05	<4.32E-05	<4.27E-05	<4.00E-05	<3.94E-05	<3.97E-05
T-106		<5.18E-05	0.0002	0.0002	<5.12E-05	<4.58E-05	<5.08E-05	<4.95E-05	<4.71E-05	0.0001	<4.94E-05	<5.09E-05	<5.03E-05	<4.71E-05	<4.64E-05	<4.68E-05
T-107		<1.21E-04	<1.16E-04	<1.24E-04	<1.20E-04	<1.07E-04	<1.19E-04	<1.16E-04	<1.10E-04	<1.16E-04	<1.16E-04	<1.19E-04	<1.18E-04	<1.10E-04	<1.08E-04	<1.09E-04
T-108		0.0004	<1.88E-04	0.0008	<1.94E-04	<1.74E-04	<1.93E-04	<1.88E-04	<1.79E-04	<1.88E-04	<1.88E-04	<1.93E-04	<1.91E-04	<1.79E-04	<1.76E-04	<1.78E-04
T-109		0.0002	<4.83E-05	0.0003	<5.00E-05	0.0001	<4.96E-05	<4.83E-05	<4.59E-05	<4.82E-05	<4.83E-05	0.0007	<4.91E-05	<4.59E-05	<4.53E-05	<4.57E-05
T-110		0.0004	0.0029	0.0002	0.0001	0.0002	<4.31E-05	<4.20E-05	<3.99E-05	<4.19E-05	<4.19E-05	<4.32E-05	0.0002	<3.99E-05	<3.93E-05	<3.97E-05
T-111		<1.94E-04	0.0016	0.0020	0.0006	0.0003	<1.90E-04	<1.85E-04	<1.76E-04	0.0005	<1.85E-04	<1.90E-04	0.0005	<1.76E-04	<1.73E-04	<1.75E-04
T-112		0.0117	0.0102	0.0091	0.0004	0.0021	0.0015	<9.98E-05	0.0023	0.0114	0.0036	0.0029	0.0152	0.0021	0.0011	0.0008
T-113		<9.39E-05	0.0089	0.0093	<9.27E-05	0.0007	0.0012	<8.97E-05	0.0010	0.0094	0.0029	0.0023	0.0122	0.0014	0.0008	0.0005
T-114		0.0004	0.0036	0.0003	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05
T-201		<7.08E-05	0.0004	0.0002	<6.99E-05	<6.26E-05	<6.94E-05	<6.77E-05	<6.43E-05	0.0002	<6.75E-05	<6.95E-05	0.0002	<6.43E-05	<6.34E-05	<6.39E-05
T-202		<8.96E-05	0.0023	0.0002	<8.86E-05	0.0002	<8.79E-05	<8.57E-05	<8.14E-05	<8.55E-05	<8.55E-05	<8.81E-05	<8.71E-05	<8.14E-05	<8.02E-05	<8.10E-05
T-203		0.0002	0.0002	0.0001	<5.54E-05	<4.96E-05	0.0001	<5.36E-05	<5.10E-05	<5.35E-05	<5.35E-05	<5.51E-05	<5.45E-05	<5.10E-05	<5.02E-05	<5.07E-05
T-204		0.0002	0.0002	<7.09E-05	0.0004	<6.13E-05	<6.80E-05	<6.62E-05	<6.30E-05	<6.61E-05	<6.61E-05	<6.81E-05	0.0002	0.0089	0.0002	<6.26E-05
T-205		0.0004	0.0029	0.0001	<4.39E-05	0.0001	0.0001	<4.24E-05	<4.03E-05	<4.24E-05	<4.24E-05	<4.36E-05	<4.31E-05	<4.03E-05	<3.97E-05	<4.01E-05
T-206		0.0003	0.0031	0.0001	<4.39E-05	0.0002	<4.36E-05	<4.24E-05	0.0001	<4.24E-05	<4.24E-05	<4.36E-05	<4.31E-05	0.0001	<3.97E-05	<4.01E-05
T-207		<4.42E-05	<4.22E-05	0.0001	<4.37E-05	<3.91E-05	<4.34E-05	<4.23E-05	<4.02E-05	<4.22E-05	<4.22E-05	<4.35E-05	<4.30E-05	<4.02E-05	<3.96E-05	<4.00E-05
T-208		0.0001	<4.23E-05	0.0001	<4.38E-05	<3.92E-05	<4.35E-05	<4.24E-05	<4.03E-05	<4.23E-05	<4.23E-05	<4.35E-05	<4.30E-05	<4.03E-05	<3.97E-05	<4.00E-05
T-209		0.0003	0.0004	0.0002	0.0001	<4.31E-05	0.0002	<4.66E-05	<4.43E-05	<4.65E-05	<4.65E-05	0.0003	<4.73E-05	<4.43E-05	<4.36E-05	<4.40E-05
T-210		0.0030	0.0031	0.0002	0.0023	0.0004	0.0005	<4.24E-05	<4.03E-05	<4.24E-05	0.0005	0.0013	0.0003	0.0006	0.0001	0.0002
T-211		<4.42E-05	0.0005	0.0002	0.0008	0.0001	0.0002	<4.22E-05	<4.01E-05	0.0001	0.0002	0.0004	<4.29E-05	0.0001	<3.95E-05	<3.99E-05
T-212		<7.91E-05	0.0075	0.0018	0.0040	0.0022	0.0031	<7.56E-05	0.0056	0.0002	0.0015	0.0043	0.0008	0.0163	0.0068	0.0018
T-213		<6.80E-05	0.0070	0.0017	0.0036	0.0022	0.0021	<6.50E-05	<6.18E-05	<6.49E-05	0.0003	0.0037	<6.60E-05	<6.18E-05	<6.09E-05	<6.14E-05
T-214		0.0003	0.0030	0.0003	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05
T-301		0.0004	<5.07E-05	0.0001	<5.24E-05	<4.69E-05	<5.20E-05	<5.07E-05	<4.82E-05	<5.06E-05	<5.06E-05	0.0001	<5.15E-05	<4.82E-05	<4.75E-05	<4.79E-05
T-302		0.0010	0.0025	0.0006	0.0002	0.0002	0.0004	<8.48E-05	<8.06E-05	0.0002	<8.47E-05	0.0006	<8.62E-05	<8.06E-05	<7.94E-05	<8.01E-05
T-303		0.0007	0.0005	0.0004	0.0003	0.0003	0.0003	<5.27E-05	<5.01E-05	<5.26E-05	<5.26E-05	0.0005	<5.36E-05	<5.01E-05	0.0001	<4.98E-05
T-304		0.0033	0.0023	0.0005	0.0026	0.0012	0.0028	<4.44E-05	<4.22E-05	0.0001	0.0003	0.0084	0.0003	<4.22E-05	0.0011	0.0007
T-305		0.0008	0.0035	0.0002	<4.58E-05	0.0002	<4.55E-05	<4.43E-05	<4.21E-05	<4.43E-05	<4.43E-05	<4.56E-05	<4.51E-05	<4.21E-05	<4.15E-05	<4.19E-05
T-306		0.0005	0.0030	0.0002	0.0001	0.0002	<4.54E-05	<4.43E-05	<4.21E-05	0.0009	<4.42E-05	<4.55E-05	0.0002	<4.21E-05	<4.14E-05	<4.18E-05
T-307		0.0029	0.0003	0.0019	0.0015	0.0001	0.0002	0.0005	0.0004	<4.40E-05	0.0004	0.0004	0.0002	0.0004	0.0001	0.0004
T-308		0.0176	0.0050	0.0041	0.0043	0.0004	0.0006	0.0002	0.0022	0.0020	0.0014	0.0008	0.0017	<4.53E-05	0.0003	0.0011
T-309		<1.29E-04	0.0007	<1.32E-04	<1.28E-04	<1.14E-04	<1.27E-04	<1.23E-04	<1.17E-04	<1.23E-04	<1.23E-04	<1.27E-04	<1.25E-04	<1.17E-04	<1.16E-04	<1.17E-04
T-310		0.0002	<6.37E-05	0.0002	0.0002	<5.90E-05	<6.54E-05	<6.37E-05	<6.06E-05	<6.36E-05	<6.37E-05	<6.55E-05	<6.48E-05	<6.06E-05	<5.97E-05	<6.02E-05
T-311		0.0027	0.0036	0.0005	<9.04E-05	<8.09E-05	<8.97E-05	<8.74E-05	<8.31E-05	0.0003	<8.73E-05	<8.99E-05	<8.88E-05	<8.31E-05	<8.19E-05	<8.26E-05
T-312		<6.01E-05	<5.74E-05	0.0052	0.0016	0.0032	0.0010	0.0037	0.0099	<5.73E-05	<5.74E-05	0.0014	0.0002	0.0023	0.0007	0.0106
T-313		<5.14E-05	<4.90E-05	0.0038	0.0003	0.0070	0.0006	0.0082	<4.67E-05	<4.90E-05	<4.90E-05	<5.04E-05	<4.99E-05	<4.67E-05	<4.60E-05	0.0005
T-314		0.0002	0.0012	0.0002	<4.63E-05	<4.14E-05	<4.59E-05	<4.48E-05	<4.25E-05	<4.47E-05	<4.47E-05	<4.60E-05	<4.55E-05	<4.25E-05	<4.19E-05	<4.23E-05
T-401		0.0002	<5.38E-05	0.0001	<5.57E-05	<4.98E-05	<5.53E-05	<5.39E-05	<5.12E-05	<5.38E-05	<5.38E-05	<5.54E-05	<5.47E-05	<5.12E-05	<5.04E-05	<5.09E-05
T-402		0.0002	<7.22E-05	0.0002	<7.47E-05	<6.69E-05	<7.42E-05	<7.23E-05	<6.87E-05	<7.21E-05	<7.22E-05	<7.43E-05	<7.34E-05	<6.87E-05	<6.77E-05	<6.83E-05
T-403		0.0007	0.0017	0.0008	<1.37E-04	<1.23E-04	<1.36E-04	<1.33E-04	<1.26E-04	<1.32E-04	<1.32E-04	<1.36E-04	<1.35E-04	<1.26E-04	<1.24E-04	<1.25E-04
T-404		0.0002	0.0007	0.0006	<7.06E-05	<6.32E-05	<7.01E-05	0.0002	<6.50E-05	<6.82E-05	<6.82E-05	<7.02E-05	<6.94E-05	<6.50E-05	<6.40E-05	<6.46E-05
T-405		0.0006	0.0023	0.0006	<7.36E-05	<6.59E-05	<7.31E-05	0.0002	<6.77E-05	<7.11E-05	<7.11E-05	<7.32E-05	<7.23E-05	<6.77E-05	<6.67E-05	<6.73E-05
T-406		0.0002	<6.96E-05	0.0002	<7.20E-05	<6.44E-05	<7.15E-05	<6.96E-05	<6.62E-05	<6.95E-05	<6.95E-05	<7.16E-05	<7.08E-05	<6.62E-05	<6.52E-05	<6.58E-05
T-407		0.0010	0.0003	0.0003	0.0003	<6.63E-05	<1.10E-04	<1.08E-04	<1.02E-04	<8.59E-05	<1.07E-04	<1.11E-04	<1.25E-04	<1.02E-04	<8.81E-05	<1.02E-04
T-408		0.0076	0.0034	0.0010	0.0032	<4.99E-05	0.0002	0.0004	<5.12E-05	0.0002	<5.38E-05	0.0015	0.0003	<5.12E-05	0.0001	<5.09E-05
T-409		0.0002	0.0002	0.0002	<6.75E-05	<4.03E-05	0.0002	<6.53E-05	0.0002	0.0002	<6.52E-05	<6.71E-05	0.0010	0.0002	<5.35E-05	<6.17E-05
T-410		0.0018	0.0003	0.0002	0.0004	<7.47E-05	0.0002	0.0002	0.0002	0.0003	<8.07E-05	<8.30E-05	0.0012	<7.68E-05	<7.56E-05	<7.63E-05
T-411		0.0181	0.0008	<1.11E-04	<1.07E-04	<9.55E-05	<1.06E-04	<1.03E-04	<9.81E-05	<1.03E-04	<1.03E-04	<1.06E-04	<1.05E-04	<9.81E-05	<9.66E-05	<9.75E-05
T-412		<5.35E-05	0.0026	0.0002	0.0199	<4.73E-05	0.0129	<5.12E-05	0.0003	<5.11E-05	0.0003	<5.26E-05	0.0008	<4.86E-05	0.0014	0.0025
T-413		0.0299	0.0030	<6.08E-05	0.0029	<5.25E-05	0.0115	<5.68E-05	0.0300	0.0029	0.0272	<5.84E-05	0.0009	<5.40E-05	0.0084	0.0020
T-414		0.0004	0.0032	0.0009	<5.37E-05	<4.81E-05	<5.33E-05	0.0002	<4.94E-05	<5.19E-05	<5.19E-05	<5.34E-05	<5.28E-05	<4.94E-05	<4.87E-05	<4.91E-05
T-501		<3.82E-04	<3.64E-04	<3.91E-04	<3.77E-04	<3.38E-04	<3.74E-04	<3.65E-04	<3.47E-04	<3.64E-04	<3.64E-04	<3.75E-04	<3.71E-04	<3.47E-04	<3.42E-04	<3.45E-04
T-502		0.0123	0.0008	<1.13E-04	<1.09E-04	<9.76E-05	<1.08E-04	<1.05E-04	<1.00E-04	<1.05E-04	0.0002	<1.08E-04	<1.07E-04	<1.00E-04	<9.88E-05	<9.97E-05
T-503		0.0086	<2.11E-04	0.0007	0.0065	<1.95E-04	0.0007	<2.11E-04	0.0007	<2.11E-04	<2.11E-04	0.0029	<2.15E-04	<2.01E-04	<1.98E-04	<1.99E-04
T-504		0.0007	<1.14E-04	0.0003	<1.18E-04	<1.05E-04	<1.17E-04	<1.14E-04	0.0008	<1.14E-04	<1.14E-04	<1.17E-04	0.0015	<1.08E-04	<1.07E-04	<1.08E-04
T-505		0.0005	0.0035	0.0010	<7.99E-05	<7.15E-05	<7.93E-05	0.0002	<7.35E-05	<7.72E-05	<7.72E-05	<7.94E-05	<7.85E-05	<7.35E-05	<7.24E-05	<7.30E-05
T-506		0.0005	0.0024	0.0009	<6.99E-05	<6.26E-05	<6.94E-05	0.0002	<6.43E-05	<6.75E-05	<6.75E-05	<6.95E-05	<6.87E-05	<6.43E-05	<6.34E-05	<6.39E-05
T-507		0.0001	0.0002	0.0001	<5.75E-05	<5.15E-05	<5.71E-05	<5.56E-05	<5.29E-05	<5.55E-05	<5.56E-05	<5.72E-05	0.0014	<5.29E-05	<5.21E-05	<5.26E-05
T-508		0.0003	0.0002	0.0003	<7.69E-05	<6.88E-05	<7.63E-05	<7.44E-05	<7.07E-05	<7.42E-05	<7.43E-05	<7.64E-05	<7.56E-05	<7.07E-05	<6.96E-05	<7.03E-05
T-509		0.0005	0.0031	0.0009	<5.78E-05	<5.17E-05	<5.74E-05	0.0002	<5.32E-05	<5.58E-05	<5.58E-05	<5.75E-05	<5.68E-05	<5.32E-05	<5.24E-05	<5.28E-05
T-510		0.0026	0.0019	0.0015	0.0018	<5.76E-05	0.0005	0.0004	0.0043	0.0037	0.0007	0.0006	0.0036	0.0060	0.0001	0.0011
T-511		<5.92E-05	<5.65E-05	0.0001	<5.85E-05	<5.24E-05	<5.81E-05	<5.66E-05	<5.38E-05	<5.65E-05	<5.65E-05	<5.82E-05	0.0015	<5.38E-05	<5.30E-05	<5.35E-05
T-512		0.0006	0.0024	0.0010	<1.74E-04	<1.56E-04	<1.73E-04	<1.69E-04	0.0015	<1.68E-04	<1.69E-04	<1.73E-04	<1.71E-04	<1.60E-04	<1.58E-04	<1.59E-04
T-513		<1.60E-04	0.0004	0.0009	<1.58E-04	<1.42E-04	<1.57E-04	<1.53E-04	<1.45E-04	<1.53E-04	<1.53E-04	<1.57E-04	<1.56E-04	<1.45E-04	<1.43E-04	<1.45E-04
T-514		<5.67E-05	<5.41E-05	0.0001	<5.60E-05	<5.02E-05	<5.56E-05	<5.42E-05	<5.15E-05	<5.41E-05	<5.41E-05	<5.57E-05	<5.51E-05	<5.15E-05	<5.08E-05	<5.12E-05

Sample ID	Compound	3-Ethyltoluene	4-Ethyltoluene	n-Octane	3-Methylhexane	2,3,4-Trimethylpentane	Styrene	1,3-Diethylbenzene	m,p-xylene	n-Heptane	2-Methylhexane	1,2,3-Trimethylbenzene	o-xylene	n-Decane	1-Pentene	Benzene
	CAS	620-14-4	622-96-8	111-65-9	589-34-4	565-75-3	100-42-5	141-93-5	108-38-3	142-82-5	591-76-4	526-73-8	95-47-6	124-18-5	109-67-1	71-43-2
	MW	120.2	120.2	114.2	100.2	114.2	104.2	134.2	106.2	100.2	100.2	120.2	106.2	142.3	70.1	78.1
Lab Data (ppbv)																
T-101		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102		ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	0.85
T-103		ND	2.17	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
T-105		ND	ND	ND	ND	ND	ND	3.29	ND	ND	ND	ND	ND	ND	ND	ND
T-106		ND	ND	ND	ND	ND	ND	2.79	ND	ND	ND	ND	ND	ND	1.04	ND
T-107		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	ND
T-108		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		ND	ND	ND	ND	ND	ND	1.06	ND	ND	ND	ND	ND	ND	ND	0.78
T-110		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.08	ND
T-111		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		ND	3.65	ND	1.82	0.6	1.46	0.69	0.98	0.89	ND	ND	ND	1.17	4.66	1.3
T-113		ND	2.46	ND	1.39	ND	1.07	ND	ND	ND	ND	ND	ND	ND	3.6	0.79
T-114		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
T-202		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
T-204		ND	1.17	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	1.52	ND
T-206		ND	0.62	ND	ND	ND	ND	0.7	0.96	ND	ND	ND	0.72	0.73	ND	ND
T-207		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
T-209		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210		2.18	ND	1.12	2.96	1.67	0.98	ND	ND	2.11	1.53	ND	0.74	0.6	1.82	ND
T-211		0.59	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	2.16	ND
T-212		1.2	39.44	10.52	5.38	2.53	0.75	5.47	19.97	10.22	3.51	ND	9.69	4.6	6.53	1.84
T-213		ND	ND	ND	0.78	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
T-301		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	1.37	ND
T-303		ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304		ND	3.05	ND	4.39	1.22	ND	0.48	6.09	ND	2.4	ND	ND	1.86	2.39	1.39
T-305		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	0.7
T-307		2.37	0.77	1.06	0.74	ND	1.82	0.82	ND	ND	ND	0.7	3.13	4.19	1.35	ND
T-308		24.07	2.37	5.2	3.7	1.22	5.11	7.36	10.62	4.44	2.03	13.68	6.8	10.37	5.29	ND
T-309		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
T-311		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312		20.55	24.25	3.51	ND	33.36	44.14	27.47	10.42	0.85	1.42	42.46	29.85	22.27	8.92	ND
T-313		3.94	ND	3	ND	6.47	1.34	ND	3.55	ND	1.04	ND	1.75	0.42	7.06	1.38
T-314		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
T-402		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
T-404		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND
T-405		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.01	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	0.94	ND	ND	ND	ND	ND	ND	ND	ND	0.66	0.98	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-411		ND	ND	17.48	ND	ND	ND	0.66	ND	ND	ND	ND	ND	ND	ND	ND
T-412		10.76	1.73	0.74	62.71	20.3	12.42	ND	6.17	22.24	47.59	4.03	2.18	3.25	1.11	1.17
T-413		33.38	5.51	15.87	ND	8.79	14.06	6.28	10.23	25.28	3.21	ND	3	8.63	3.2	2.64
T-414		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	1.31	ND	ND	ND	ND
T-502		ND	ND	31.9	1.11	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	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	1.44
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	ND	ND	ND	ND	ND	6.49
T-508		ND	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND	ND	ND
T-509		ND	ND	0.85	ND	ND	ND	1.21	ND	ND	ND	ND	ND	ND	1.13	1.76
T-510		1.16	10.5	6.54	4.47	9.84	ND	20.9	8.4	12.71	1.55	2.06	6.33	3.5	3.63	35.38
T-511		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56
T-512		ND	ND	ND	ND	ND	ND	0.62	ND	ND	ND	ND	ND	ND	ND	ND
T-513		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	3-Ethyltoluene	4-Ethyltoluene	n-Octane	3-Methylhexane	2,3,4-Trimethylpentane	Styrene	1,3-Diethylbenzene	m,p-xylene	n-Heptane	2-Methylhexane	1,2,3-Trimethylbenzene	o-xylene	n-Decane	1-Pentene	Benzene
CAS	620-14-4	622-96-8	111-65-9	589-34-4	565-75-3	100-42-5	141-93-5	108-38-3	142-82-5	591-76-4	526-73-8	95-47-6	124-18-5	109-67-1	71-43-2
MW	120.2	120.2	114.2	100.2	114.2	104.2	134.2	106.2	100.2	100.2	120.2	106.2	142.3	70.1	78.1
MDL (ppbv)															
T-101	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-102	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-103	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-104	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-105	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-106	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-107	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-108	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-109	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-110	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-111	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-112	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-113	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-114	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-201	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-202	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-203	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-204	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-205	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-206	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-207	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-208	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-209	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-210	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-211	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-212	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-213	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-214	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-301	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-302	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-303	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-304	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-305	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-306	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-307	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-308	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-309	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-310	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-311	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-312	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-313	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-314	0.44	0.44	0.50	0.57	0.50	0.50	0.40	0.50	0.57	0.57	0.44	0.50	0.40	0.80	0.67
T-401	0.53	0.53	0.59	0.68	0.59	0.59	0.48	0.59	0.68	0.68	0.53	0.59	0.48	0.95	0.79
T-402	0.53	0.53	0.60	0.68	0.60	0.60	0.48	0.60	0.68	0.68	0.53	0.60	0.48	0.95	0.80
T-403	0.53	0.53	0.59	0.68	0.59	0.59	0.48	0.59	0.68	0.68	0.53	0.59	0.48	0.95	0.79
T-404	0.52	0.52	0.59	0.67	0.59	0.59	0.47	0.59	0.67	0.67	0.52	0.59	0.47	0.94	0.79
T-405	0.55	0.55	0.62	0.71	0.62	0.62	0.50	0.62	0.71	0.71	0.55	0.62	0.50	1.00	0.83
T-406	0.54	0.54	0.60	0.69	0.60	0.60	0.48	0.60	0.69	0.69	0.54	0.60	0.48	0.96	0.80
T-407	0.54	0.54	0.60	0.69	0.60	0.54	0.44	0.60	0.60	0.69	0.48	0.54	0.48	0.96	0.69
T-408	0.54	0.54	0.61	0.70	0.61	0.61	0.49	0.61	0.70	0.70	0.54	0.61	0.49	0.98	0.81
T-409	0.55	0.55	0.62	0.71	0.62	0.55	0.45	0.62	0.62	0.71	0.50	0.55	0.50	0.99	0.71
T-410	0.55	0.55	0.62	0.70	0.62	0.62	0.49	0.62	0.70	0.70	0.55	0.62	0.49	0.99	0.82
T-411	0.55	0.55	0.62	0.70	0.62	0.62	0.49	0.62	0.70	0.70	0.55	0.62	0.49	0.99	0.82
T-412	0.53	0.53	0.59	0.68	0.59	0.59	0.47	0.59	0.68	0.68	0.53	0.59	0.47	0.95	0.79
T-413	0.59	0.59	0.66	0.75	0.66	0.66	0.53	0.66	0.75	0.75	0.59	0.66	0.53	1.05	0.88
T-414	0.52	0.52	0.58	0.66	0.58	0.58	0.46	0.58	0.66	0.66	0.52	0.58	0.46	0.93	0.77
T-501	0.53	0.53	0.59	0.68	0.59	0.59	0.48	0.59	0.68	0.68	0.53	0.59	0.48	0.95	0.79
T-502	0.52	0.52	0.59	0.67	0.59	0.59	0.47	0.59	0.67	0.67	0.52	0.59	0.47	0.94	0.78
T-503	0.53	0.53	0.60	0.68	0.60	0.60	0.48	0.60	0.68	0.68	0.53	0.60	0.48	0.96	0.80
T-504	0.54	0.54	0.61	0.69	0.61	0.61	0.49	0.61	0.69	0.69	0.54	0.61	0.49	0.97	0.81
T-505	0.55	0.55	0.62	0.71	0.62	0.62	0.50	0.62	0.71	0.71	0.55	0.62	0.50	0.99	0.83
T-506	0.53	0.53	0.60	0.69	0.60	0.60	0.48	0.60	0.69	0.69	0.53	0.60	0.48	0.96	0.80
T-507	0.55	0.55	0.62	0.70	0.62	0.62	0.49	0.62	0.70	0.70	0.55	0.62	0.49	0.99	0.82
T-508	0.53	0.53	0.60	0.69	0.60	0.60	0.48	0.60	0.69	0.69	0.53	0.60	0.48	0.96	0.80
T-509	0.56	0.56	0.63	0.72	0.63	0.63	0.50	0.63	0.72	0.72	0.56	0.63	0.50	1.01	0.84
T-510	0.52	0.52	0.58	0.66	0.58	0.58	0.47	0.58	0.66	0.66	0.52	0.58	0.47	0.93	0.78
T-511	0.56	0.56	0.63	0.72	0.63	0.63	0.51	0.63	0.72	0.72	0.56	0.63	0.51	1.01	0.84
T-512	0.54	0.54	0.61	0.70	0.61	0.61	0.49	0.61	0.70	0.70	0.54	0.61	0.49	0.98	0.81
T-513	0.52	0.52	0.59	0.67	0.59	0.59	0.47	0.59	0.67	0.67	0.52	0.59	0.47	0.94	0.78
T-514	0.54	0.54	0.61	0.69	0.61	0.61	0.48	0.61	0.69	0.69	0.54	0.61	0.48	0.97	0.81

Sample ID	Compound	3-Ethyltoluene	4-Ethyltoluene	n-Octane	3-Methylhexane	2,3,4-Trimethylpentane	Styrene	1,3-Diethylbenzene	m,p-xylene	n-Heptane	2-Methylhexane	1,2,3-Trimethylbenzene	o-xylene	n-Decane	1-Pentene	Benzene
	CAS	620-14-4	622-96-8	111-65-9	589-34-4	565-75-3	100-42-5	141-93-5	108-38-3	142-82-5	591-76-4	526-73-8	95-47-6	124-18-5	109-67-1	71-43-2
	MW	120.2	120.2	114.2	100.2	114.2	104.2	134.2	106.2	100.2	100.2	120.2	106.2	142.3	70.1	78.1
Data Used (ug/m3																
T-101		<1.03E+00	<1.03E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.00E+00	<1.03E+00	<1.02E+00	<1.10E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.10E+00	<1.08E+00	<1.00E+00
T-102		<1.03E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	3.12	<1.03E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.09E+00	2.57
T-103		<1.02E+00	9.94	<1.09E+00	<1.09E+00	<1.09E+00	<9.93E-01	<1.02E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.01E+00	<1.08E+00	<1.07E+00	<9.92E-01
T-104		<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.09E+00	<9.94E-01	<1.02E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.01E+00	<1.09E+00	<1.07E+00	<9.94E-01
T-105		<1.04E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	17.18	<1.03E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.03E+00	<1.11E+00	<1.09E+00	<1.01E+00
T-106		<1.03E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	14.49	<1.03E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.10E+00	2.82	<1.01E+00
T-107		<1.03E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	<1.04E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.10E+00	3.66	<1.01E+00
T-108		<1.04E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.11E+00	<1.10E+00	<1.02E+00
T-109		<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	5.58	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.10E+00	2.39
T-110		<1.04E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	<1.04E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.03E+00	<1.11E+00	2.94	<1.01E+00
T-111		<1.04E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.01E+00	<1.04E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.03E+00	<1.10E+00	<1.09E+00	<1.01E+00
T-112		<1.03E+00	16.95	<1.10E+00	7.05	2.65	5.88	3.58	4.02	3.45	<1.11E+00	<1.03E+00	<1.03E+00	6.43	12.62	3.92
T-113		<1.03E+00	11.43	<1.10E+00	5.38	<1.10E+00	4.31	<1.04E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.10E+00	9.75	2.38
T-114		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-201		<1.06E+00	<1.06E+00	<1.13E+00	<1.14E+00	<1.13E+00	<1.03E+00	<1.07E+00	<1.05E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.05E+00	<1.13E+00	<1.11E+00	<1.03E+00
T-202		<1.08E+00	<1.08E+00	<1.15E+00	<1.16E+00	<1.15E+00	<1.05E+00	<1.08E+00	<1.07E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.07E+00	<1.15E+00	<1.13E+00	<1.05E+00
T-203		<1.07E+00	<1.07E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.04E+00	<1.08E+00	<1.06E+00	<1.15E+00	<1.15E+00	<1.07E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00
T-204		<1.07E+00	5.62	<1.14E+00	<1.14E+00	<1.14E+00	<1.04E+00	<1.07E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.07E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00
T-205		<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.11E+00	4.17	<1.02E+00
T-206		<1.05E+00	2.93	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	3.69	4.00	<1.12E+00	<1.12E+00	<1.05E+00	3.00	4.08	<1.10E+00	<1.02E+00
T-207		<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.11E+00	<1.10E+00	<1.02E+00
T-208		<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.10E+00	<1.02E+00
T-209		<1.04E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.11E+00	<1.10E+00	<1.02E+00
T-210		10.29	<1.05E+00	5.02	11.65	7.49	4.01	<1.05E+00	<1.04E+00	8.30	6.02	<1.05E+00	3.09	3.35	5.01	<1.02E+00
T-211		2.77	<1.04E+00	<1.12E+00	<1.12E+00	2.36	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.11E+00	5.91	<1.02E+00
T-212		5.65	185.81	47.09	21.13	11.32	3.06	28.77	83.12	40.14	13.78	<1.05E+00	40.33	25.66	17.94	5.63
T-213		<1.05E+00	<1.05E+00	<1.12E+00	3.06	<1.12E+00	<1.02E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.12E+00	<1.10E+00	<1.02E+00
T-214		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-301		<1.10E+00	<1.10E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-302		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	3.98	<1.08E+00
T-303		<1.10E+00	4.90	<1.18E+00	<1.18E+00	<1.18E+00	<1.07E+00	<1.11E+00	<1.09E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.07E+00
T-304		<1.10E+00	15.07	<1.17E+00	18.08	5.73	<1.07E+00	2.65	26.58	<1.18E+00	9.88	<1.10E+00	<1.09E+00	10.88	6.89	4.46
T-305		<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.07E+00	<1.10E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.07E+00
T-306		<1.09E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.07E+00	<1.10E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.17E+00	<1.15E+00	2.24
T-307		11.62	3.78	4.94	3.03	<1.16E+00	7.74	4.49	<1.08E+00	<1.17E+00	<1.17E+00	3.43	13.56	24.33	3.86	<1.06E+00
T-308		118.26	11.64	24.27	15.15	5.69	21.76	40.37	46.10	18.18	8.31	67.21	29.52	60.32	15.16	<1.06E+00
T-309		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-310		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-311		<1.10E+00	<1.10E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.07E+00	<1.11E+00	<1.09E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.07E+00
T-312		100.78	118.92	16.35	<1.17E+00	155.43	187.65	150.40	45.15	3.47	5.80	208.22	129.33	129.29	25.51	<1.06E+00
T-313		19.32	<1.09E+00	13.98	<1.17E+00	30.14	5.70	<1.10E+00	15.38	<1.17E+00	4.25	<1.09E+00	7.58	2.44	20.19	4.40
T-314		<1.11E+00	<1.11E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.08E+00	<1.11E+00	<1.10E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00
T-401		<1.33E+00	<1.33E+00	<1.42E+00	<1.43E+00	<1.42E+00	<1.30E+00	<1.34E+00	<1.32E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.32E+00	<1.42E+00	<1.40E+00	<1.30E+00
T-402		<1.34E+00	<1.34E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.30E+00	<1.34E+00	<1.33E+00	<1.43E+00	<1.43E+00	<1.34E+00	<1.33E+00	<1.42E+00	<1.40E+00	<1.30E+00
T-403		<1.35E+00	<1.35E+00	<1.45E+00	<1.45E+00	<1.45E+00	<1.32E+00	<1.36E+00	<1.35E+00	<1.45E+00	<1.45E+00	<1.35E+00	<1.35E+00	<1.44E+00	<1.42E+00	<1.32E+00
T-404		<1.33E+00	<1.33E+00	<1.42E+00	<1.42E+00	<1.42E+00	<1.29E+00	<1.33E+00	<1.32E+00	<1.42E+00	<1.42E+00	<1.33E+00	<1.32E+00	<1.41E+00	2.95	<1.29E+00
T-405		<1.36E+00	<1.36E+00	<1.46E+00	<1.46E+00	<1.46E+00	<1.33E+00	<1.37E+00	<1.36E+00	<1.46E+00	<1.46E+00	<1.36E+00	<1.36E+00	<1.45E+00	2.90	<1.33E+00
T-406		<1.29E+00	<1.29E+00	<1.38E+00	<1.39E+00	<1.38E+00	<1.26E+00	<1.30E+00	<1.29E+00	<1.39E+00	<1.39E+00	<1.29E+00	<1.29E+00	<1.38E+00	<1.36E+00	<1.26E+00
T-407		<1.28E+00	<1.28E+00	<1.37E+00	<1.37E+00	<1.37E+00	<1.11E+00	<1.17E+00	<1.27E+00	<1.20E+00	<1.37E+00	<1.15E+00	<1.13E+00	<1.36E+00	<1.34E+00	<1.07E+00
T-408		<1.33E+00	<1.33E+00	<1.42E+00	3.85	<1.42E+00	<1.30E+00	<1.34E+00	<1.32E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.32E+00	3.84	2.81	<1.30E+00
T-409		<1.31E+00	<1.31E+00	<1.40E+00	<1.40E+00	<1.40E+00	<1.14E+00	<1.20E+00	<1.30E+00	<1.23E+00	<1.40E+00	<1.18E+00	<1.16E+00	<1.40E+00	<1.38E+00	<1.09E+00
T-410		<1.32E+00	<1.32E+00	<1.42E+00	<1.42E+00	<1.42E+00	<1.29E+00	<1.33E+00	<1.32E+00	<1.42E+00	<1.42E+00	<1.32E+00	<1.32E+00	<1.41E+00	<1.39E+00	<1.29E+00
T-411		<1.29E+00	<1.29E+00	78.24	<1.38E+00	<1.38E+00	<1.26E+00	3.47	<1.28E+00	<1.38E+00	<1.38E+00	<1.29E+00	<1.28E+00	<1.38E+00	<1.36E+00	<1.26E+00
T-412		51.61	8.30	3.37	250.76	92.52	51.65	<1.27E+00	26.15	88.93	190.30	19.33	9.24	18.46	3.11	3.65
T-413		160.12	26.43	72.33	<1.50E+00	40.06	58.47	33.63	43.36	101.09	12.84	<1.40E+00	12.71	49.01	8.95	8.23
T-414		<1.28E+00	<1.28E+00	<1.37E+00	<1.38E+00	<1.37E+00	<1.25E+00	<1.29E+00	<1.28E+00	<1.38E+00	<1.38E+00	<1.28E+00	<1.28E+00	<1.37E+00	<1.35E+00	<1.25E+00
T-501		<1.36E+00	<1.36E+00	<1.46E+00	<1.46E+00	<1.46E+00	<1.33E+00	<1.37E+00	<1.35E+00	<1.46E+00	<1.46E+00	6.76	<1.35E+00	<1.45E+00	<1.43E+00	<1.33E+00
T-502		<1.33E+00	<1.33E+00	154.67	4.72	3.30	<1.30E+00	<1.34E+00	<1.32E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.32E+00	<1.42E+00	<1.40E+00	<1.30E+00
T-503		<1.37E+00	<1.37E+00	<1.46E+00	<1.46E+00	<1.46E+00	<1.33E+00	<1.37E+00	<1.36E+00	<1.46E+00	<1.46E+00	<1.37E+00	<1.36E+00	4.80	<1.43E+00	<1.33E+00
T-504		<1.38E+00	<1.38E+00	<1.47E+00	<1.48E+00	<1.47E+00	<1.34E+00	<1.38E+00	<1.37E+00	<1.48E+00	<1.48E+00	<1.38E+00	<1.37E+00	<1.47E+00	<1.45E+00	<1.34E+00
T-505		<1.37E+00	<1.37E+00	<1.47E+00	<1.47E+00	<1.47E+00	<1.34E+00	<1.38E+00	<1.36E+00	<1.47E+00	<1.47E+00	<1.37E+00	<1.36E+00	<1.46E+00	<1.44E+00	4.66
T-506		<1.33E+00	<1.33E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.30E+00	<1.34E+00	<1.33E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.33E+00	<1.42E+00	<1.40E+00	<1.30E+00
T-507		<1.38E+00	<1.38E+00	<1.47E+00	<1.47E+00	<1.47E+00	<1.34E+00	<1.38E+00	<1.37E+00	<1.47E+00	<1.47E+00	<1.38E+00	<1.37E+00	<1.47E+00	<1.44E+00	21.19
T-508		<1.33E+00	<1.33E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.30E+00	<1.34E+00	6.68	<1.43E+00	<1.43E+00	<1.33E+00	<1.33E+00	<1.42E+00	<1.40E+00	<1.30E+00
T-509		<1.38E+00	<1.38E+00	3.99	<1.48E+00	<1.48E+00	<1.35E+00	6.67	<1.37E+00	<1.48E+00	<1.48E+00	<1.38E+00	<1.37E+00	<1.47E+00	3.26	5.65
T-510		5.74	51.97	30.76	18.44	46.28	<1.25E+00	115.50	36.74	52.45	6.40	10.20	27.68	20.51	10.48	113.79
T-511		<1.37E+00	<1.37E+00	<1.47E+00	<1.47E+00	<1.47E+00	<1.34E+00	<1.38E+00	<1.37E+00	<1.47E+00	<1.47E+00	<1.37E+00	<1.37E+00	<1.46E+00	<1.44E+00	4.94
T-512		<1.33E+00	<1.33E+00	<1.42E+00	<1.42E+00	<1.42E+00	<1.30E+00	3.39	<1.32E+00	<1.42E+00	<1.42E+00	<1.33E+00	<1.32E+00	<1.42E+00	<1.39E+00	<1.29E+00
T-513		<1.27E+00	<1.27E+00	<1.36E+00	<1.36E+00	<1.36E+00	<1.24E+00	<1.28E+00	<1.27E+00	<1.36E+00	<1.36E+00	<1.27E+00	<1.27E+00	<1.36E+00	<1.34E+00	<1.24E+00
T-514		<1.34E+00	<1.34E+00	<1.43E+00	<1.44E+00	<1.43E+00	<1.31E+00	<1.35E+00	<1.33E+00	<1.44E+00	<1.44E+00	<1.34E+00	<1.33E+00	<1.43E+00	<1.41E+00	<1.31E+00

Sample ID	Compound	3-Ethyltoluene	4-Ethyltoluene	n-Octane	3-Methylhexane	2,3,4-Trimethylpentane	Styrene	1,3-Diethylbenzene	m,p-xylene	n-Heptane	2-Methylhexane	1,2,3-Trimethylbenzene	o-xylene	n-Decane	1-Pentene	Benzene
	CAS	620-14-4	622-96-8	111-65-9	589-34-4	565-75-3	100-42-5	141-93-5	108-38-3	142-82-5	591-76-4	526-73-8	95-47-6	124-18-5	109-67-1	71-43-2
	MW	120.2	120.2	114.2	100.2	114.2	104.2	134.2	106.2	100.2	100.2	120.2	106.2	142.3	70.1	78.1
Flux (mg/m2-min)																
T-101		<5.87E-05	<5.87E-05	<6.28E-05	<6.29E-05	<6.28E-05	<5.73E-05	<5.90E-05	<5.84E-05	<6.29E-05	<6.29E-05	<5.87E-05	<5.84E-05	<6.26E-05	<6.16E-05	<5.72E-05
T-102		<4.41E-05	<4.41E-05	<4.71E-05	<4.72E-05	<4.71E-05	<4.30E-05	0.0001	<4.38E-05	<4.72E-05	<4.72E-05	<4.41E-05	<4.38E-05	<4.70E-05	<4.63E-05	0.0001
T-103		<1.19E-04	0.0012	<1.27E-04	<1.27E-04	<1.27E-04	<1.16E-04	<1.19E-04	<1.18E-04	<1.27E-04	<1.27E-04	<1.19E-04	<1.18E-04	<1.26E-04	<1.25E-04	<1.16E-04
T-104		<1.28E-04	<1.28E-04	<1.37E-04	<1.37E-04	<1.37E-04	<1.25E-04	<1.28E-04	<1.27E-04	<1.37E-04	<1.37E-04	<1.28E-04	<1.27E-04	<1.36E-04	<1.34E-04	<1.24E-04
T-105		<4.00E-05	<4.00E-05	<4.27E-05	<4.29E-05	<4.27E-05	<3.90E-05	0.0007	<3.97E-05	<4.29E-05	<4.29E-05	<4.00E-05	<3.97E-05	<4.26E-05	<4.20E-05	<3.90E-05
T-106		<4.71E-05	<4.71E-05	<5.03E-05	<5.04E-05	<5.03E-05	<4.59E-05	0.0007	<4.68E-05	<5.04E-05	<5.04E-05	<4.71E-05	<4.68E-05	<5.01E-05	0.0001	<4.59E-05
T-107		<1.10E-04	<1.10E-04	<1.18E-04	<1.18E-04	<1.18E-04	<1.07E-04	<1.11E-04	<1.09E-04	<1.18E-04	<1.18E-04	<1.10E-04	<1.09E-04	<1.17E-04	0.0004	<1.07E-04
T-108		<1.79E-04	<1.79E-04	<1.91E-04	<1.91E-04	<1.91E-04	<1.74E-04	<1.79E-04	<1.78E-04	<1.91E-04	<1.91E-04	<1.79E-04	<1.78E-04	<1.90E-04	<1.88E-04	<1.74E-04
T-109		<4.59E-05	<4.59E-05	<4.91E-05	<4.92E-05	<4.91E-05	<4.48E-05	0.0002	<4.57E-05	<4.92E-05	<4.92E-05	<4.59E-05	<4.57E-05	<4.89E-05	<4.82E-05	0.0001
T-110		<3.99E-05	<3.99E-05	<4.27E-05	<4.28E-05	<4.27E-05	<3.89E-05	<4.01E-05	<3.97E-05	<4.28E-05	<4.28E-05	<3.99E-05	<3.97E-05	<4.25E-05	0.0001	<3.89E-05
T-111		<1.76E-04	<1.76E-04	<1.88E-04	<1.88E-04	<1.88E-04	<1.71E-04	<1.77E-04	<1.75E-04	<1.88E-04	<1.88E-04	<1.76E-04	<1.75E-04	<1.87E-04	<1.85E-04	<1.71E-04
T-112		<9.48E-05	0.0016	<1.01E-04	0.0006	0.0002	0.0005	0.0003	0.0004	0.0003	<1.02E-04	<9.48E-05	<9.43E-05	0.0006	0.0012	0.0004
T-113		<8.53E-05	0.0009	<9.11E-05	0.0004	<9.11E-05	0.0004	<8.57E-05	<8.48E-05	<9.14E-05	<9.14E-05	<8.53E-05	<8.48E-05	<9.09E-05	0.0008	0.0002
T-114		<4.25E-05	<4.25E-05	<4.55E-05	<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05
T-201		<6.43E-05	<6.43E-05	<6.87E-05	<6.89E-05	<6.87E-05	<6.27E-05	<6.46E-05	<6.39E-05	<6.89E-05	<6.89E-05	<6.43E-05	<6.39E-05	<6.85E-05	<6.75E-05	<6.27E-05
T-202		<8.14E-05	<8.14E-05	<8.71E-05	<8.73E-05	<8.71E-05	<7.94E-05	<8.18E-05	<8.10E-05	<8.73E-05	<8.73E-05	<8.14E-05	<8.10E-05	<8.68E-05	<8.55E-05	<7.94E-05
T-203		<5.10E-05	<5.10E-05	<5.45E-05	<5.46E-05	<5.45E-05	<4.97E-05	<5.12E-05	<5.07E-05	<5.46E-05	<5.46E-05	<5.10E-05	<5.07E-05	<5.43E-05	<5.35E-05	<4.97E-05
T-204		<6.30E-05	0.0003	<6.73E-05	<6.75E-05	<6.73E-05	<6.14E-05	<6.33E-05	<6.26E-05	<6.75E-05	<6.75E-05	<6.30E-05	<6.26E-05	<6.71E-05	<6.61E-05	<6.14E-05
T-205		<4.03E-05	<4.03E-05	<4.31E-05	<4.32E-05	<4.31E-05	<3.93E-05	<4.05E-05	<4.01E-05	<4.32E-05	<4.32E-05	<4.03E-05	<4.01E-05	<4.30E-05	0.0002	<3.93E-05
T-206		<4.03E-05	0.0001	<4.31E-05	<4.32E-05	<4.31E-05	<3.93E-05	0.0001	0.0002	<4.32E-05	<4.32E-05	<4.03E-05	0.0001	0.0002	<4.23E-05	<3.93E-05
T-207		<4.02E-05	<4.02E-05	<4.30E-05	<4.31E-05	<4.30E-05	<3.92E-05	<4.04E-05	<4.00E-05	<4.31E-05	<4.31E-05	<4.02E-05	<4.00E-05	<4.28E-05	<4.22E-05	<3.92E-05
T-208		<4.03E-05	<4.03E-05	<4.30E-05	<4.32E-05	<4.30E-05	<3.93E-05	<4.05E-05	<4.00E-05	<4.32E-05	<4.32E-05	<4.03E-05	<4.00E-05	<4.29E-05	<4.23E-05	<3.92E-05
T-209		<4.43E-05	<4.43E-05	<4.73E-05	<4.75E-05	<4.73E-05	<4.32E-05	<4.45E-05	<4.40E-05	<4.75E-05	<4.75E-05	<4.43E-05	<4.40E-05	<4.72E-05	<4.65E-05	<4.32E-05
T-210		0.0004	<4.03E-05	0.0002	0.0004	0.0003	0.0002	<4.05E-05	<4.01E-05	0.0003	0.0002	<4.03E-05	0.0001	0.0001	0.0002	<3.93E-05
T-211		0.0001	<4.01E-05	<4.29E-05	<4.30E-05	0.0001	<3.91E-05	<4.03E-05	<3.99E-05	<4.30E-05	<4.30E-05	<4.01E-05	<3.99E-05	<4.27E-05	0.0002	<3.91E-05
T-212		0.0004	0.0128	0.0032	0.0015	0.0008	0.0002	0.0020	0.0057	0.0028	0.0009	<7.19E-05	0.0028	0.0018	0.0012	0.0004
T-213		<6.18E-05	<6.18E-05	<6.60E-05	0.0002	<6.60E-05	<6.03E-05	<6.21E-05	<6.14E-05	<6.62E-05	<6.62E-05	<6.18E-05	<6.14E-05	<6.58E-05	<6.49E-05	<6.02E-05
T-214		<4.25E-05	<4.25E-05	<4.55E-05	<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05
T-301		<4.82E-05	<4.82E-05	<5.15E-05	<5.17E-05	<5.15E-05	<4.70E-05	<4.84E-05	<4.79E-05	<5.17E-05	<5.17E-05	<4.82E-05	<4.79E-05	<5.14E-05	<5.06E-05	<4.70E-05
T-302		<8.06E-05	<8.06E-05	<8.62E-05	<8.64E-05	<8.62E-05	<7.86E-05	<8.10E-05	<8.01E-05	<8.64E-05	<8.64E-05	<8.06E-05	<8.01E-05	<8.59E-05	0.0003	<7.86E-05
T-303		<5.01E-05	0.0002	<5.36E-05	<5.37E-05	<5.36E-05	<4.89E-05	<5.04E-05	<4.98E-05	<5.37E-05	<5.37E-05	<5.01E-05	<4.98E-05	<5.34E-05	<5.26E-05	<4.88E-05
T-304		<4.22E-05	0.0006	<4.51E-05	0.0007	0.0002	<4.12E-05	0.0001	0.0010	<4.53E-05	0.0004	<4.22E-05	<4.20E-05	0.0004	0.0003	0.0002
T-305		<4.21E-05	<4.21E-05	<4.51E-05	<4.52E-05	<4.51E-05	<4.11E-05	<4.24E-05	<4.19E-05	<4.52E-05	<4.52E-05	<4.21E-05	<4.19E-05	<4.49E-05	<4.42E-05	<4.11E-05
T-306		<4.21E-05	<4.21E-05	<4.50E-05	<4.51E-05	<4.50E-05	<4.10E-05	<4.23E-05	<4.18E-05	<4.51E-05	<4.51E-05	<4.21E-05	<4.18E-05	<4.48E-05	<4.42E-05	0.0001
T-307		0.0004	0.0001	0.0002	0.0001	<4.48E-05	0.0003	0.0002	<4.17E-05	<4.49E-05	<4.49E-05	0.0001	0.0005	0.0009	0.0001	<4.09E-05
T-308		0.0049	0.0005	0.0010	0.0006	0.0002	0.0009	0.0017	0.0019	0.0008	0.0003	0.0028	0.0012	0.0025	0.0006	<4.41E-05
T-309		<1.17E-04	<1.17E-04	<1.25E-04	<1.26E-04	<1.25E-04	<1.14E-04	<1.18E-04	<1.17E-04	<1.26E-04	<1.26E-04	<1.17E-04	<1.17E-04	<1.25E-04	<1.23E-04	<1.14E-04
T-310		<6.06E-05	<6.06E-05	<6.48E-05	<6.49E-05	<6.48E-05	<5.91E-05	<6.09E-05	<6.02E-05	<6.49E-05	<6.49E-05	<6.06E-05	<6.02E-05	<6.46E-05	<6.36E-05	<5.91E-05
T-311		<8.31E-05	<8.31E-05	<8.88E-05	<8.91E-05	<8.88E-05	<8.11E-05	<8.35E-05	<8.26E-05	<8.91E-05	<8.91E-05	<8.31E-05	<8.26E-05	<8.86E-05	<8.72E-05	<8.10E-05
T-312		0.0050	0.0060	0.0008	<5.85E-05	0.0078	0.0094	0.0075	0.0023	0.0002	0.0003	0.0104	0.0065	0.0065	0.0013	<5.32E-05
T-313		0.0008	<4.67E-05	0.0006	<5.00E-05	0.0013	0.0002	<4.69E-05	0.0007	<5.00E-05	0.0002	<4.67E-05	0.0003	0.0001	0.0009	0.0002
T-314		<4.25E-05	<4.25E-05	<4.55E-05	<4.56E-05	<4.55E-05	<4.15E-05	<4.28E-05	<4.23E-05	<4.56E-05	<4.56E-05	<4.25E-05	<4.23E-05	<4.53E-05	<4.47E-05	<4.15E-05
T-401		<5.12E-05	<5.12E-05	<5.47E-05	<5.49E-05	<5.47E-05	<4.99E-05	<5.15E-05	<5.09E-05	<5.49E-05	<5.49E-05	<5.12E-05	<5.09E-05	<5.46E-05	<5.38E-05	<4.99E-05
T-402		<6.87E-05	<6.87E-05	<7.34E-05	<7.36E-05	<7.34E-05	<6.70E-05	<6.90E-05	<6.83E-05	<7.36E-05	<7.36E-05	<6.87E-05	<6.83E-05	<7.32E-05	<7.21E-05	<6.70E-05
T-403		<1.26E-04	<1.26E-04	<1.35E-04	<1.35E-04	<1.35E-04	<1.23E-04	<1.27E-04	<1.25E-04	<1.35E-04	<1.35E-04	<1.26E-04	<1.25E-04	<1.34E-04	<1.32E-04	<1.23E-04
T-404		<6.50E-05	<6.50E-05	<6.94E-05	<6.96E-05	<6.94E-05	<6.33E-05	<6.53E-05	<6.46E-05	<6.96E-05	<6.96E-05	<6.50E-05	<6.46E-05	<6.92E-05	0.0001	<6.33E-05
T-405		<6.77E-05	<6.77E-05	<7.23E-05	<7.25E-05	<7.23E-05	<6.60E-05	<6.80E-05	<6.73E-05	<7.25E-05	<7.25E-05	<6.77E-05	<6.73E-05	<7.21E-05	0.0001	<6.59E-05
T-406		<6.62E-05	<6.62E-05	<7.08E-05	<7.09E-05	<7.08E-05	<6.46E-05	<6.65E-05	<6.58E-05	<7.09E-05	<7.09E-05	<6.62E-05	<6.58E-05	<7.05E-05	<6.95E-05	<6.45E-05
T-407		<1.02E-04	<1.02E-04	<1.09E-04	<1.10E-04	<1.09E-04	<8.86E-05	<9.34E-05	<1.02E-04	<9.59E-05	<1.10E-04	<9.20E-05	<9.03E-05	<1.09E-04	<1.07E-04	<8.54E-05
T-408		<5.12E-05	<5.12E-05	<5.47E-05	0.0001	<5.47E-05	<5.00E-05	<5.15E-05	<5.09E-05	<5.49E-05	<5.49E-05	<5.12E-05	<5.09E-05	0.0001	0.0001	<4.99E-05
T-409		<6.20E-05	<6.20E-05	<6.63E-05	<6.65E-05	<6.63E-05	<5.38E-05	<5.67E-05	<6.17E-05	<5.82E-05	<6.65E-05	<5.58E-05	<5.48E-05	<6.61E-05	<6.51E-05	<5.18E-05
T-410		<7.68E-05	<7.68E-05	<8.21E-05	<8.23E-05	<8.21E-05	<7.49E-05	<7.72E-05	<7.63E-05	<8.23E-05	<8.23E-05	<7.68E-05	<7.63E-05	<8.18E-05	<8.06E-05	<7.48E-05
T-411		<9.81E-05	<9.81E-05	0.0059	<1.05E-04	<1.05E-04	<9.57E-05	0.0003	<9.75E-05	<1.05E-04	<1.05E-04	<9.81E-05	<9.75E-05	<1.05E-04	<1.03E-04	<9.56E-05
T-412		0.0020	0.0003	0.0001	0.0096	0.0036	0.0020	<4.89E-05	0.0010	0.0034	0.0073	0.0007	0.0004	0.0007	0.0001	0.0001
T-413		0.0062	0.0010	0.0028	<5.79E-05	0.0015	0.0022	0.0013	0.0017	0.0039	0.0005	<5.40E-05	0.0005	0.0019	0.0003	0.0003
T-414		<4.94E-05	<4.94E-05	<5.28E-05	<5.30E-05	<5.28E-05	<4.82E-05	<4.96E-05	<4.91E-05	<5.30E-05	<5.30E-05	<4.94E-05	<4.91E-05	<5.26E-05	<5.19E-05	<4.82E-05
T-501		<3.47E-04	<3.47E-04	<3.71E-04	<3.72E-04	<3.71E-04	<3.38E-04	<3.48E-04	<3.45E-04	<3.72E-04	<3.72E-04	0.0017	<3.45E-04	<3.69E-04	<3.64E-04	<3.38E-04
T-502		<1.00E-04	<1.00E-04	0.0116	0.0004	0.0002	<9.78E-05	<1.01E-04	<9.97E-05	<1.07E-04	<1.07E-04	<1.00E-04	<9.97E-05	<1.07E-04	<1.05E-04	<9.77E-05
T-503		<2.01E-04	<2.01E-04	<2.15E-04	<2.15E-04	<2.15E-04	<1.96E-04	<2.02E-04	<1.99E-04	<2.15E-04	<2.15E-04	<2.01E-04	<1.99E-04	0.0007	<2.11E-04	<1.96E-04
T-504		<1.08E-04	<1.08E-04	<1.16E-04	<1.16E-04	<1.16E-04	<1.06E-04	<1.09E-04	<1.08E-04	<1.16E-04	<1.16E-04	<1.08E-04	<1.08E-04	<1.15E-04	<1.14E-04	<1.06E-04
T-505		<7.35E-05	<7.35E-05	<7.85E-05	<7.87E-05	<7.85E-05	<7.17E-05	<7.38E-05	<7.30E-05	<7.87E-05	<7.87E-05	<7.35E-05	<7.30E-05	<7.83E-05	<7.71E-05	0.0002
T-506		<6.43E-05	<6.43E-05	<6.87E-05	<6.89E-05	<6.87E-05	<6.27E-05	<6.46E-05	<6.39E-05	<6.89E-05	<6.89E-05	<6.43E-05	<6.39E-05	<6.85E-05	<6.75E-05	<6.27E-05
T-507		<5.29E-05	<5.29E-05	<5.65E-05	<5.67E-05	<5.65E-05	<5.16E-05	<5.32E-05	<5.26E-05	<5.67E-05	<5.67E-05	<5.29E-05	<5.26E-05	<5.64E-05	<5.55E-05	0.0008
T-508		<7.07E-05	<7.07E-05	<7.56E-05	<7.58E-05	<7.56E-05	<6.89E-05	<7.10E-05	0.0004	<7.58E-05	<7.58E-05	<7.07E-05	<7.03E-05	<7.53E-05	<7.42E-05	<6.89E-05
T-509		<5.32E-05	<5.32E-05	0.0002	<5.70E-05	<5.68E-05	<5.18E-05	0.0003	<5.28E-05	<5.70E-05	<5.70E-05	<5.32E-05	<5.28E-05	<5.66E-05	0.0001	0.0002
T-510		0.0003	0.0024	0.0014	0.0009	0.0021	<5.77E-05	0.0053	0.0017	0.0024	0.0003	0.0005	0.0013	0.0009	0.0005	0.0053
T-511		<5.38E-05	<5.38E-05	<5.75E-05	<5.77E-05	<5.75E-05	<5.25E-05	<5.41E-05	<5.35E-05	<5.77E-05	<5.77E-05	<5.38E-05	<5.35E-05	<5.73E-05	<5.65E-05	0.0002
T-512		<1.60E-04	<1.60E-04	<1.71E-04	<1.72E-04	<1.71E-04	<1.56E-04	0.0004	<1.59E-04	<1.72E-04	<1.72E-04	<1.60E-04	<1.59E-04	<1.71E-04	<1.68E-04	<1.56E-04
T-513		<1.45E-04	<1.45E-04	<1.56E-04	<1.56E-04	<1.56E-04	<1.42E-04	<1.46E-04	<1.45E-04	<1.56E-04	<1.56E-04	<1.45E-04	<1.45E-04	<1.55E-04	<1.53E-04	<1.42E-04
T-514		<5.15E-05	<5.15E-05	<5.51E-05	<5.52E-05	<5.51E-05	<5.02E-05	<5.18E-05	<5.12E-05	<5.52E-05	<5.52E-05	<5.15E-05	<5.12E-05	<5.49E-05	<5.41E-05	<5.02E-05

Sample ID / Compound	c-2-Butene	2-Ethyltoluene	Cyclohexane	3-Methylpentane	i-Propylbenzene	i-Butane	1-Butene	2,4-Dimethylpentane	2-Methylheptane	1,3,5-Trimethylbenzene	n-Hexane	t-2-Pentene	c-2-Pentene	n-Nonane	2-Methylpentane
CAS	590-18-1	611-14-3	110-82-7	96-14-0	98-82-8	75-28-5	106-98-9	108-08-7	592-27-8	108-67-8	110-54-3	646-04-8	627-20-3	111-84-2	107-83-5
MW	56.1	120.2	84.2	86.2	120.2	58.1	56.1	100.2	114.2	120.2	86.2	70.1	70.1	128.3	86.2
Lab Data (ppbv)															
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	1.51	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.77	ND	ND	ND
T-104	ND	ND	ND	ND	ND	6.1	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
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	1.59	ND	ND	1.08	1.11	ND	ND	5.1	ND	ND	ND	0.97
T-110	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
T-112	ND	1.93	6.61	3.3	ND	ND	ND	5.34	1.05	ND	1.94	3.29	1	0.64	3.57
T-113	ND	1.16	5.78	2.59	ND	ND	ND	4.69	1.01	ND	1.78	2.73	0.88	ND	3.14
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	1.27	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
T-203	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
T-205	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	0.51	ND	ND	ND	ND	ND
T-207	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
T-209	ND	ND	ND	ND	ND	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND
T-210	ND	ND	3.44	1.33	ND	ND	1.22	0.65	1.28	0.62	1.17	ND	ND	ND	1.63
T-211	ND	ND	2.45	ND	ND	ND	1.17	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	4.56	6.64	1.66	1.99	ND	1.52	1.53	5.59	5.57	2.94	1.61	ND	9.19	1.94
T-213	ND	ND	4.36	0.7	ND	ND	ND	0.7	ND	ND	0.72	ND	ND	ND	1.26
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	1.7	ND	ND	1.27	ND	ND	ND	ND	ND	1.01	ND	ND
T-302	ND	ND	ND	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	0.79	ND	ND	ND	1.17
T-304	ND	0.53	5.43	4.05	0.54	ND	1.34	4.1	ND	0.82	6.06	0.81	ND	ND	4.7
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	ND	1.11	0.86	ND	ND	ND	0.88	ND	4.28	ND	ND	ND	0.46	1.45
T-308	ND	ND	3.68	3.21	3.1	ND	ND	2.31	ND	10.93	3.11	2.28	1.56	5.48	2.88
T-309	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
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	20.1	1.62	3.11	24.34	4.6	ND	ND	3.24	16.76	5.12	ND	11.92	3.66	ND
T-313	ND	ND	ND	0.94	1.72	14.88	ND	ND	ND	1.15	1.26	ND	7.95	ND	ND
T-314	ND	ND	ND	ND	ND	ND	1.1	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
T-402	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
T-404	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
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	1.54	1.54	ND	ND	ND	1.03	ND	ND	0.97	ND	ND	ND	2.04
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-411	ND	ND	ND	ND	5.37	ND	3.17	ND	ND	ND	ND	ND	ND	ND	ND
T-412	14.36	1.28	7.28	18.48	4.33	9.72	ND	11.18	11.68	ND	ND	14.49	11.04	0.79	ND
T-413	30.84	17.93	ND	2.23	6.31	10.87	27.22	12.24	18.9	ND	9.2	1.39	ND	7.88	2.72
T-414	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	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
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	ND	ND	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	9.84	4.04	2.13	3.53	1.73	2.92	ND	1.17	1.24	3.29	1.48	8.63	1.43	2.91	1.32
T-511	ND	ND	ND	ND	ND	ND	1.59	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	c-2-Butene	2-Ethyltoluene	Cyclohexane	3-Methylpentane	i-Propylbenzene	i-Butane	1-Butene	2,4-Dimethylpentane	2-Methylheptane	1,3,5-Trimethylbenzene	n-Hexane	t-2-Pentene	c-2-Pentene	n-Nonane	2-Methylpentane
CAS	590-18-1	611-14-3	110-82-7	96-14-0	98-82-8	75-28-5	106-98-9	108-08-7	592-27-8	108-67-8	110-54-3	646-04-8	627-20-3	111-84-2	107-83-5
MW	56.1	120.2	84.2	86.2	120.2	58.1	56.1	100.2	114.2	120.2	86.2	70.1	70.1	128.3	86.2
MDL (ppbv)															
T-101	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-102	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-103	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-104	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-105	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-106	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-107	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-108	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-109	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-110	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-111	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-112	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-113	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-114	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-201	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-202	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-203	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-204	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-205	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-206	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-207	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-208	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-209	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-210	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-211	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-212	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-213	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-214	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-301	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-302	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-303	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-304	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-305	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-306	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-307	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-308	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-309	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-310	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-311	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-312	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-313	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-314	1.00	0.44	0.67	0.67	0.44	1.00	1.00	0.57	0.50	0.44	0.67	0.80	0.80	0.44	0.67
T-401	1.19	0.53	0.79	0.79	0.53	1.19	1.19	0.68	0.59	0.53	0.79	0.95	0.95	0.53	0.79
T-402	1.19	0.53	0.80	0.80	0.53	1.19	1.19	0.68	0.60	0.53	0.80	0.95	0.95	0.53	0.80
T-403	1.19	0.53	0.79	0.79	0.53	1.19	1.19	0.68	0.59	0.53	0.79	0.95	0.95	0.53	0.79
T-404	1.18	0.52	0.79	0.79	0.52	1.18	1.18	0.67	0.59	0.52	0.79	0.94	0.94	0.52	0.79
T-405	1.24	0.55	0.83	0.83	0.55	1.24	1.24	0.71	0.62	0.55	0.83	1.00	1.00	0.55	0.83
T-406	1.20	0.54	0.80	0.80	0.54	1.20	1.20	0.69	0.60	0.54	0.80	0.96	0.96	0.54	0.80
T-407	0.96	0.48	0.69	0.80	0.54	1.20	1.20	0.80	0.60	0.54	0.69	0.80	0.96	0.54	0.80
T-408	1.22	0.54	0.81	0.81	0.54	1.22	1.22	0.70	0.61	0.54	0.81	0.98	0.98	0.54	0.81
T-409	0.99	0.50	0.71	0.83	0.55	1.24	1.24	0.83	0.62	0.55	0.71	0.83	0.99	0.55	0.83
T-410	1.23	0.55	0.82	0.82	0.55	1.23	1.23	0.70	0.62	0.55	0.82	0.99	0.99	0.55	0.82
T-411	1.23	0.55	0.82	0.82	0.55	1.23	1.23	0.70	0.62	0.55	0.82	0.99	0.99	0.55	0.82
T-412	1.19	0.53	0.79	0.79	0.53	1.19	1.19	0.68	0.59	0.53	0.79	0.95	0.95	0.53	0.79
T-413	1.32	0.59	0.88	0.88	0.59	1.32	1.32	0.75	0.66	0.59	0.88	1.05	1.05	0.59	0.88
T-414	1.16	0.52	0.77	0.77	0.52	1.16	1.16	0.66	0.58	0.52	0.77	0.93	0.93	0.52	0.77
T-501	1.19	0.53	0.79	0.79	0.53	1.19	1.19	0.68	0.59	0.53	0.79	0.95	0.95	0.53	0.79
T-502	1.18	0.52	0.78	0.78	0.52	1.18	1.18	0.67	0.59	0.52	0.78	0.94	0.94	0.52	0.78
T-503	1.20	0.53	0.80	0.80	0.53	1.20	1.20	0.68	0.60	0.53	0.80	0.96	0.96	0.53	0.80
T-504	1.22	0.54	0.81	0.81	0.54	1.22	1.22	0.69	0.61	0.54	0.81	0.97	0.97	0.54	0.81
T-505	1.24	0.55	0.83	0.83	0.55	1.24	1.24	0.71	0.62	0.55	0.83	0.99	0.99	0.55	0.83
T-506	1.20	0.53	0.80	0.80	0.53	1.20	1.20	0.69	0.60	0.53	0.80	0.96	0.96	0.53	0.80
T-507	1.23	0.55	0.82	0.82	0.55	1.23	1.23	0.70	0.62	0.55	0.82	0.99	0.99	0.55	0.82
T-508	1.20	0.53	0.80	0.80	0.53	1.20	1.20	0.69	0.60	0.53	0.80	0.96	0.96	0.53	0.80
T-509	1.26	0.56	0.84	0.84	0.56	1.26	1.26	0.72	0.63	0.56	0.84	1.01	1.01	0.56	0.84
T-510	1.16	0.52	0.78	0.78	0.52	1.16	1.16	0.66	0.58	0.52	0.78	0.93	0.93	0.52	0.78
T-511	1.27	0.56	0.84	0.84	0.56	1.27	1.27	0.72	0.63	0.56	0.84	1.01	1.01	0.56	0.84
T-512	1.22	0.54	0.81	0.81	0.54	1.22	1.22	0.70	0.61	0.54	0.81	0.98	0.98	0.54	0.81
T-513	1.17	0.52	0.78	0.78	0.52	1.17	1.17	0.67	0.59	0.52	0.78	0.94	0.94	0.52	0.78
T-514	1.21	0.54	0.81	0.81	0.54	1.21	1.21	0.69	0.61	0.54	0.81	0.97	0.97	0.54	0.81

Sample ID	Compound	c-2-Butene	2-Ethyltoluene	Cyclohexane	3-Methylpentane	i-Propylbenzene	i-Butane	1-Butene	2,4-Dimethylpentane	2-Methylheptane	1,3,5-Trimethylbenzene	n-Hexane	t-2-Pentene	c-2-Pentene	n-Nonane	2-Methylpentane
	CAS	590-18-1	611-14-3	110-82-7	96-14-0	98-82-8	75-28-5	106-98-9	108-08-7	592-27-8	108-67-8	110-54-3	646-04-8	627-20-3	111-84-2	107-83-5
	MW	56.1	120.2	84.2	86.2	120.2	58.1	56.1	100.2	114.2	120.2	86.2	70.1	70.1	128.3	86.2
Data Used (ug/m3																
T-101		<1.08E+00	<1.03E+00	<1.08E+00	<1.11E+00	<1.03E+00	<1.12E+00	<1.08E+00	<1.10E+00	<1.10E+00	<1.03E+00	<1.11E+00	<1.08E+00	<1.08E+00	<1.10E+00	<1.11E+00
T-102		<1.09E+00	<1.03E+00	<1.09E+00	<1.11E+00	<1.03E+00	<1.12E+00	3.28	<1.11E+00	<1.11E+00	<1.03E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.10E+00	<1.11E+00
T-103		<1.07E+00	<1.02E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.11E+00	<1.07E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.09E+00	4.73	<1.07E+00	<1.09E+00	<1.09E+00
T-104		<1.07E+00	<1.02E+00	<1.07E+00	<1.10E+00	<1.02E+00	13.53	<1.07E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.10E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.10E+00
T-105		<1.09E+00	<1.04E+00	<1.09E+00	<1.12E+00	<1.04E+00	<1.13E+00	<1.09E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.12E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.12E+00
T-106		<1.09E+00	<1.03E+00	<1.09E+00	<1.11E+00	<1.03E+00	<1.12E+00	<1.09E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.10E+00	<1.11E+00
T-107		<1.09E+00	<1.03E+00	<1.09E+00	<1.11E+00	<1.03E+00	<1.12E+00	3.80	<1.11E+00	<1.11E+00	<1.03E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.10E+00	<1.11E+00
T-108		<1.10E+00	<1.04E+00	<1.10E+00	<1.12E+00	<1.04E+00	<1.13E+00	3.83	<1.12E+00	<1.12E+00	<1.04E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.11E+00	<1.12E+00
T-109		<1.10E+00	<1.05E+00	<1.10E+00	5.37	<1.05E+00	<1.14E+00	2.37	4.36	<1.12E+00	<1.05E+00	17.23	<1.10E+00	<1.10E+00	<1.12E+00	3.28
T-110		<1.09E+00	<1.04E+00	<1.09E+00	<1.12E+00	<1.04E+00	<1.13E+00	<1.09E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.12E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.12E+00
T-111		<1.09E+00	<1.04E+00	<1.09E+00	<1.11E+00	<1.04E+00	<1.13E+00	<1.09E+00	<1.11E+00	<1.11E+00	<1.04E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.11E+00
T-112		<1.08E+00	8.96	21.51	10.99	<1.03E+00	<1.12E+00	<1.08E+00	20.68	4.63	<1.03E+00	6.46	8.91	2.71	3.17	11.89
T-113		<1.08E+00	5.39	18.81	8.63	<1.03E+00	<1.12E+00	<1.08E+00	18.16	4.46	<1.03E+00	5.93	7.40	2.38	<1.10E+00	10.46
T-114		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.20E+00	<1.16E+00	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-201		<1.11E+00	<1.06E+00	<1.11E+00	4.35	<1.06E+00	<1.15E+00	<1.11E+00	<1.14E+00	<1.13E+00	<1.06E+00	<1.14E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.14E+00
T-202		<1.13E+00	<1.08E+00	<1.13E+00	<1.16E+00	<1.08E+00	<1.17E+00	<1.13E+00	<1.16E+00	<1.15E+00	<1.08E+00	<1.16E+00	<1.13E+00	<1.13E+00	<1.15E+00	<1.16E+00
T-203		<1.12E+00	<1.07E+00	<1.12E+00	<1.15E+00	<1.07E+00	<1.16E+00	<1.12E+00	<1.15E+00	<1.14E+00	<1.07E+00	<1.15E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.15E+00
T-204		<1.12E+00	<1.07E+00	<1.12E+00	<1.15E+00	<1.07E+00	<1.16E+00	<1.12E+00	<1.14E+00	<1.14E+00	<1.07E+00	<1.15E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.15E+00
T-205		<1.10E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.12E+00
T-206		<1.10E+00	<1.05E+00	<1.10E+00	<1.13E+00	<1.05E+00	<1.14E+00	<1.10E+00	<1.12E+00	<1.12E+00	2.41	<1.13E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.13E+00
T-207		<1.10E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.12E+00
T-208		<1.10E+00	<1.05E+00	<1.10E+00	<1.13E+00	<1.05E+00	<1.14E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.13E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.13E+00
T-209		<1.10E+00	<1.04E+00	<1.10E+00	<1.12E+00	<1.04E+00	<1.13E+00	2.26	<1.12E+00	<1.12E+00	<1.04E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.11E+00	<1.12E+00
T-210		<1.10E+00	<1.05E+00	11.37	4.50	<1.05E+00	<1.14E+00	2.69	2.56	5.74	2.93	3.96	<1.10E+00	<1.10E+00	<1.12E+00	5.52
T-211		<1.10E+00	<1.04E+00	8.06	<1.12E+00	<1.04E+00	<1.13E+00	2.56	<1.12E+00	<1.12E+00	<1.04E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.11E+00	<1.12E+00
T-212		<1.10E+00	21.48	21.91	5.61	9.38	<1.14E+00	3.34	6.01	25.02	26.24	9.93	4.42	<1.10E+00	46.21	6.55
T-213		<1.10E+00	<1.05E+00	14.39	2.36	<1.05E+00	<1.14E+00	<1.10E+00	2.75	<1.12E+00	<1.05E+00	2.43	<1.10E+00	<1.10E+00	<1.12E+00	4.26
T-214		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.20E+00	<1.16E+00	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-301		<1.16E+00	<1.10E+00	<1.16E+00	6.06	<1.10E+00	<1.20E+00	2.95	<1.18E+00	<1.18E+00	<1.10E+00	<1.19E+00	<1.16E+00	2.93	<1.18E+00	<1.19E+00
T-302		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.21E+00	2.75	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-303		<1.16E+00	<1.10E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.20E+00	2.47	<1.18E+00	<1.18E+00	<1.10E+00	2.80	<1.15E+00	<1.15E+00	<1.17E+00	4.15
T-304		<1.15E+00	2.62	18.79	14.35	2.67	<1.19E+00	3.09	16.89	<1.17E+00	4.05	21.47	2.33	<1.15E+00	<1.17E+00	16.65
T-305		<1.15E+00	<1.10E+00	<1.15E+00	<1.18E+00	<1.10E+00	<1.19E+00	<1.15E+00	<1.17E+00	<1.17E+00	<1.10E+00	2.69	<1.15E+00	<1.15E+00	<1.17E+00	<1.18E+00
T-306		<1.15E+00	<1.09E+00	<1.15E+00	<1.18E+00	<1.09E+00	<1.19E+00	<1.15E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.18E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.18E+00
T-307		<1.14E+00	<1.09E+00	3.81	3.02	<1.09E+00	<1.19E+00	<1.14E+00	3.60	<1.16E+00	20.99	<1.17E+00	<1.14E+00	<1.14E+00	2.41	5.10
T-308		<1.15E+00	<1.09E+00	12.67	11.31	15.23	<1.19E+00	<1.15E+00	9.46	<1.17E+00	53.70	10.96	6.53	4.47	28.74	10.15
T-309		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.20E+00	<1.16E+00	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-310		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.21E+00	<1.16E+00	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-311		<1.16E+00	<1.10E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.20E+00	<1.16E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.18E+00
T-312		<1.14E+00	98.57	5.57	10.94	119.36	10.90	<1.14E+00	<1.17E+00	15.10	82.19	18.01	<1.14E+00	34.09	19.16	<1.17E+00
T-313		<1.14E+00	<1.09E+00	<1.15E+00	3.31	8.43	35.27	<1.14E+00	<1.17E+00	<1.16E+00	5.64	4.43	<1.14E+00	22.74	<1.16E+00	<1.17E+00
T-314		<1.16E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.20E+00	2.56	<1.19E+00	<1.18E+00	<1.11E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.19E+00
T-401		<1.40E+00	<1.33E+00	<1.40E+00	<1.43E+00	<1.33E+00	<1.45E+00	<1.40E+00	<1.43E+00	<1.42E+00	<1.33E+00	<1.43E+00	<1.40E+00	<1.40E+00	<1.42E+00	<1.43E+00
T-402		<1.40E+00	<1.34E+00	<1.41E+00	<1.44E+00	<1.34E+00	<1.45E+00	<1.40E+00	<1.43E+00	<1.43E+00	<1.34E+00	<1.44E+00	<1.40E+00	<1.40E+00	<1.43E+00	<1.44E+00
T-403		<1.42E+00	<1.35E+00	<1.42E+00	<1.46E+00	<1.35E+00	<1.47E+00	<1.42E+00	<1.45E+00	<1.45E+00	<1.35E+00	<1.46E+00	<1.42E+00	<1.42E+00	<1.45E+00	<1.46E+00
T-404		<1.39E+00	<1.33E+00	<1.39E+00	<1.43E+00	<1.33E+00	<1.44E+00	<1.39E+00	<1.42E+00	<1.42E+00	<1.33E+00	<1.43E+00	<1.39E+00	<1.39E+00	<1.41E+00	<1.43E+00
T-405		<1.43E+00	<1.36E+00	<1.43E+00	<1.47E+00	<1.36E+00	<1.48E+00	<1.43E+00	<1.46E+00	<1.46E+00	<1.36E+00	<1.47E+00	<1.43E+00	<1.43E+00	<1.46E+00	<1.47E+00
T-406		<1.36E+00	<1.29E+00	<1.36E+00	<1.39E+00	<1.29E+00	<1.41E+00	<1.36E+00	<1.39E+00	<1.38E+00	<1.29E+00	<1.39E+00	<1.36E+00	<1.36E+00	<1.38E+00	<1.39E+00
T-407		<1.07E+00	<1.15E+00	<1.15E+00	<1.37E+00	<1.28E+00	<1.39E+00	<1.34E+00	<1.60E+00	<1.37E+00	<1.28E+00	<1.18E+00	<1.12E+00	<1.34E+00	<1.36E+00	<1.37E+00
T-408		<1.40E+00	<1.33E+00	5.30	5.43	<1.33E+00	<1.45E+00	<1.40E+00	4.22	<1.42E+00	<1.33E+00	3.42	<1.40E+00	<1.40E+00	<1.42E+00	7.19
T-409		<1.10E+00	<1.18E+00	<1.18E+00	<1.41E+00	<1.31E+00	<1.42E+00	<1.38E+00	<1.64E+00	<1.40E+00	<1.31E+00	<1.21E+00	<1.15E+00	<1.38E+00	<1.40E+00	<1.41E+00
T-410		<1.39E+00	<1.32E+00	<1.39E+00	<1.42E+00	<1.32E+00	<1.44E+00	<1.39E+00	<1.42E+00	<1.42E+00	<1.32E+00	<1.42E+00	<1.39E+00	<1.39E+00	<1.41E+00	<1.42E+00
T-411		<1.36E+00	<1.29E+00	<1.36E+00	<1.39E+00	25.30	<1.40E+00	6.97	<1.38E+00	<1.38E+00	<1.29E+00	<1.39E+00	<1.36E+00	<1.36E+00	<1.38E+00	<1.39E+00
T-412		32.15	6.14	24.46	63.57	20.77	22.54	<1.33E+00	44.71	53.23	<1.26E+00	<1.36E+00	40.54	30.88	4.04	<1.36E+00
T-413		69.04	86.01	<1.47E+00	7.67	30.27	25.20	60.94	48.94	86.14	<1.40E+00	31.65	3.89	<1.47E+00	40.35	9.36
T-414		<1.35E+00	<1.28E+00	<1.35E+00	<1.38E+00	<1.28E+00	<1.40E+00	<1.35E+00	<1.38E+00	<1.37E+00	<1.28E+00	<1.38E+00	<1.35E+00	<1.35E+00	<1.37E+00	<1.38E+00
T-501		<1.43E+00	<1.36E+00	<1.43E+00	<1.47E+00	<1.36E+00	<1.48E+00	<1.43E+00	<1.46E+00	<1.46E+00	<1.36E+00	<1.47E+00	<1.43E+00	<1.43E+00	<1.45E+00	<1.47E+00
T-502		<1.40E+00	9.95	<1.40E+00	<1.43E+00	<1.33E+00	<1.45E+00	<1.40E+00	<1.43E+00	<1.42E+00	<1.33E+00	<1.43E+00	<1.40E+00	<1.40E+00	<1.42E+00	<1.43E+00
T-503		<1.43E+00	<1.37E+00	3.60	<1.47E+00	<1.37E+00	<1.48E+00	<1.43E+00	<1.46E+00	<1.46E+00	<1.37E+00	<1.47E+00	<1.43E+00	<1.43E+00	<1.46E+00	3.68
T-504		<1.45E+00	<1.38E+00	<1.45E+00	<1.48E+00	<1.38E+00	<1.50E+00	<1.45E+00	<1.48E+00	<1.47E+00	<1.38E+00	<1.48E+00	<1.45E+00	<1.45E+00	<1.47E+00	<1.48E+00
T-505		<1.44E+00	<1.37E+00	<1.44E+00	<1.47E+00	<1.37E+00	<1.49E+00	<1.44E+00	<1.47E+00	<1.47E+00	<1.37E+00	<1.47E+00	<1.44E+00	<1.44E+00	<1.46E+00	<1.47E+00
T-506		<1.40E+00	<1.33E+00	<1.40E+00	<1.43E+00	<1.33E+00	<1.45E+00	<1.40E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.43E+00	<1.40E+00	<1.40E+00	<1.42E+00	<1.43E+00
T-507		<1.44E+00	<1.38E+00	<1.45E+00	<1.48E+00	<1.38E+00	<1.50E+00	<1.44E+00	<1.47E+00	<1.47E+00	<1.38E+00	<1.48E+00	<1.44E+00	<1.44E+00	<1.47E+00	<1.48E+00
T-508		<1.40E+00	<1.33E+00	<1.40E+00	<1.44E+00	<1.33E+00	<1.45E+00	<1.40E+00	<1.43E+00	<1.43E+00	<1.33E+00	<1.44E+00	<1.40E+00	<1.40E+00	<1.42E+00	<1.44E+00
T-509		<1.45E+00	<1.38E+00	<1.45E+00	<1.49E+00	<1.38E+00	<1.50E+00	<1.45E+00	<1.48E+00	<1.48E+00	<1.38E+00	<1.49E+00	<1.45E+00	<1.45E+00	<1.48E+00	<1.49E+00
T-510		22.73	20.00	7.39	12.53	8.56	6.99	<1.34E+00	4.83	5.83	16.29	5.25	24.91	4.13	15.38	4.69
T-511		<1.44E+00	<1.37E+00	<1.44E+00	<1.48E+00	<1.37E+00	<1.49E+00	3.62	<1.47E+00	<1.47E+00	<1.37E+00	<1.48E+00	<1.44E+00	<1.44E+00	<1.47E+00	<1.48E+00
T-512		<1.39E+00	<1.33E+00	<1.40E+00	<1.43E+00	<1.33E+00	<1.44E+00	<1.39E+00	<1.42E+00	<1.42E+00	<1.33E+00	<1.43E+00	<1.39E+00	<1.39E+00	<1.42E+00	<1.43E+00
T-513		<1.34E+00	<1.27E+00	<1.34E+00	<1.37E+00	<1.27E+00	<1.38E+00	<1.34E+00	<1.36E+00	<1.36E+00	<1.27E+00	<1.37E+00	<1.34E+00	<1.34E+00	<1.36E+00	<1.37E+00
T-514		<1.41E+00	<1.34E+00	<1.41E+00	<1.44E+00	<1.34E+00	<1.46E+00	<1.41E+00	<1.44E+00	<1.43E+00	<1.34E+00	<1.44E+00	<1.41E+00	<1.41E+00	<1.43E+00	<1.44E+00

Sample ID	Compound	c-2-Butene	2-Ethyltoluene	Cyclohexane	3-Methylpentane	i-Propylbenzene	i-Butane	1-Butene	2,4-Dimethylpentane	2-Methylheptane	1,3,5-Trimethylbenzene	n-Hexane	t-2-Pentene	c-2-Pentene	n-Nonane	2-Methylpentane
	CAS	590-18-1	611-14-3	110-82-7	96-14-0	98-82-8	75-28-5	106-98-9	108-08-7	592-27-8	108-67-8	110-54-3	646-04-8	627-20-3	111-84-2	107-83-5
	MW	56.1	120.2	84.2	86.2	120.2	58.1	56.1	100.2	114.2	120.2	86.2	70.1	70.1	128.3	86.2
Flux (mg/m2-min)																
T-101		<6.17E-05	<5.87E-05	<6.17E-05	<6.32E-05	<5.87E-05	<6.39E-05	<6.17E-05	<6.29E-05	<6.28E-05	<5.87E-05	<6.32E-05	<6.16E-05	<6.16E-05	<6.27E-05	<6.32E-05
T-102		<4.63E-05	<4.41E-05	<4.63E-05	<4.74E-05	<4.41E-05	<4.79E-05	0.0001	<4.72E-05	<4.71E-05	<4.41E-05	<4.74E-05	<4.63E-05	<4.63E-05	<4.71E-05	<4.74E-05
T-103		<1.25E-04	<1.19E-04	<1.25E-04	<1.28E-04	<1.19E-04	<1.29E-04	<1.25E-04	<1.27E-04	<1.27E-04	<1.19E-04	<1.28E-04	0.0006	<1.25E-04	<1.27E-04	<1.28E-04
T-104		<1.34E-04	<1.28E-04	<1.34E-04	<1.37E-04	<1.28E-04	0.0017	<1.34E-04	<1.37E-04	<1.37E-04	<1.28E-04	<1.37E-04	<1.34E-04	<1.34E-04	<1.36E-04	<1.37E-04
T-105		<4.20E-05	<4.00E-05	<4.20E-05	<4.30E-05	<4.00E-05	<4.35E-05	<4.20E-05	<4.29E-05	<4.27E-05	<4.00E-05	<4.30E-05	<4.20E-05	<4.20E-05	<4.27E-05	<4.30E-05
T-106		<4.94E-05	<4.71E-05	<4.94E-05	<5.06E-05	<4.71E-05	<5.12E-05	<4.94E-05	<5.04E-05	<5.03E-05	<4.71E-05	<5.06E-05	<4.94E-05	<4.94E-05	<5.02E-05	<5.06E-05
T-107		<1.16E-04	<1.10E-04	<1.16E-04	<1.18E-04	<1.10E-04	<1.20E-04	0.0004	<1.18E-04	<1.18E-04	<1.10E-04	<1.18E-04	<1.15E-04	<1.15E-04	<1.17E-04	<1.18E-04
T-108		<1.88E-04	<1.79E-04	<1.88E-04	<1.92E-04	<1.79E-04	<1.94E-04	0.0007	<1.91E-04	<1.91E-04	<1.79E-04	<1.92E-04	<1.88E-04	<1.88E-04	<1.91E-04	<1.92E-04
T-109		<4.82E-05	<4.59E-05	<4.83E-05	0.0002	<4.59E-05	<5.00E-05	0.0001	0.0002	<4.91E-05	<4.59E-05	0.0008	<4.82E-05	<4.82E-05	<4.90E-05	0.0001
T-110		<4.19E-05	<3.99E-05	<4.19E-05	<4.29E-05	<3.99E-05	<4.34E-05	<4.19E-05	<4.28E-05	<4.27E-05	<3.99E-05	<4.29E-05	<4.19E-05	<4.19E-05	<4.26E-05	<4.29E-05
T-111		<1.85E-04	<1.76E-04	<1.85E-04	<1.89E-04	<1.76E-04	<1.91E-04	<1.85E-04	<1.88E-04	<1.88E-04	<1.76E-04	<1.89E-04	<1.85E-04	<1.85E-04	<1.88E-04	<1.89E-04
T-112		<9.96E-05	0.0008	0.0020	0.0010	<9.48E-05	<1.03E-04	<9.96E-05	0.0019	0.0004	<9.48E-05	0.0006	0.0008	0.0002	0.0003	0.0011
T-113		<8.96E-05	0.0004	0.0016	0.0007	<8.53E-05	<9.27E-05	<8.96E-05	0.0015	0.0004	<8.53E-05	0.0005	0.0006	0.0002	<9.10E-05	0.0009
T-114		<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05	<4.47E-05	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05
T-201		<6.75E-05	<6.43E-05	<6.76E-05	0.0003	<6.43E-05	<6.99E-05	<6.75E-05	<6.89E-05	<6.87E-05	<6.43E-05	<6.92E-05	<6.75E-05	<6.75E-05	<6.86E-05	<6.92E-05
T-202		<8.55E-05	<8.14E-05	<8.56E-05	<8.76E-05	<8.14E-05	<8.86E-05	<8.55E-05	<8.73E-05	<8.71E-05	<8.14E-05	<8.76E-05	<8.55E-05	<8.55E-05	<8.69E-05	<8.76E-05
T-203		<5.35E-05	<5.10E-05	<5.36E-05	<5.48E-05	<5.10E-05	<5.54E-05	<5.35E-05	<5.46E-05	<5.45E-05	<5.10E-05	<5.48E-05	<5.35E-05	<5.35E-05	<5.44E-05	<5.48E-05
T-204		<6.61E-05	<6.30E-05	<6.62E-05	<6.77E-05	<6.30E-05	<6.85E-05	<6.61E-05	<6.75E-05	<6.73E-05	<6.30E-05	<6.77E-05	<6.61E-05	<6.61E-05	<6.72E-05	<6.77E-05
T-205		<4.24E-05	<4.03E-05	<4.24E-05	<4.34E-05	<4.03E-05	<4.39E-05	<4.24E-05	<4.32E-05	<4.31E-05	<4.03E-05	<4.34E-05	<4.23E-05	<4.23E-05	<4.31E-05	<4.34E-05
T-206		<4.24E-05	<4.03E-05	<4.24E-05	<4.34E-05	<4.03E-05	<4.39E-05	<4.24E-05	<4.32E-05	<4.31E-05	0.0001	<4.34E-05	<4.23E-05	<4.23E-05	<4.31E-05	<4.34E-05
T-207		<4.22E-05	<4.02E-05	<4.22E-05	<4.32E-05	<4.02E-05	<4.37E-05	<4.22E-05	<4.31E-05	<4.30E-05	<4.02E-05	<4.32E-05	<4.22E-05	<4.22E-05	<4.29E-05	<4.32E-05
T-208		<4.23E-05	<4.03E-05	<4.23E-05	<4.33E-05	<4.03E-05	<4.38E-05	<4.23E-05	<4.32E-05	<4.30E-05	<4.03E-05	<4.33E-05	<4.23E-05	<4.23E-05	<4.30E-05	<4.33E-05
T-209		<4.65E-05	<4.43E-05	<4.65E-05	<4.76E-05	<4.43E-05	<4.82E-05	0.0001	<4.75E-05	<4.73E-05	<4.43E-05	<4.76E-05	<4.65E-05	<4.65E-05	<4.73E-05	<4.76E-05
T-210		<4.24E-05	<4.03E-05	0.0004	0.0002	<4.03E-05	<4.39E-05	0.0001	0.0001	0.0002	0.0001	0.0002	<4.23E-05	<4.23E-05	<4.31E-05	0.0002
T-211		<4.21E-05	<4.01E-05	0.0003	<4.32E-05	<4.01E-05	<4.36E-05	0.0001	<4.30E-05	<4.29E-05	<4.01E-05	<4.32E-05	<4.21E-05	<4.21E-05	<4.28E-05	<4.32E-05
T-212		<7.55E-05	0.0015	0.0015	0.0004	0.0006	<7.82E-05	0.0002	0.0004	0.0017	0.0018	0.0007	0.0003	<7.54E-05	0.0032	0.0004
T-213		<6.49E-05	<6.18E-05	0.0008	0.0001	<6.18E-05	<6.72E-05	<6.49E-05	0.0002	<6.60E-05	<6.18E-05	0.0001	<6.49E-05	<6.49E-05	<6.59E-05	0.0003
T-214		<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05	<4.47E-05	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05
T-301		<5.06E-05	<4.82E-05	<5.07E-05	0.0003	<4.82E-05	<5.24E-05	0.0001	<5.17E-05	<5.15E-05	<4.82E-05	<5.19E-05	<5.06E-05	0.0001	<5.15E-05	<5.19E-05
T-302		<8.46E-05	<8.06E-05	<8.47E-05	<8.67E-05	<8.06E-05	<8.77E-05	0.0002	<8.64E-05	<8.62E-05	<8.06E-05	<8.67E-05	<8.46E-05	<8.46E-05	<8.60E-05	<8.67E-05
T-303		<5.26E-05	<5.01E-05	<5.27E-05	<5.39E-05	<5.01E-05	<5.45E-05	0.0001	<5.37E-05	<5.36E-05	<5.01E-05	0.0001	<5.26E-05	<5.26E-05	<5.35E-05	0.0002
T-304		<4.43E-05	0.0001	0.0007	0.0006	0.0001	<4.59E-05	0.0001	0.0006	<4.51E-05	0.0002	0.0008	0.0001	<4.43E-05	<4.51E-05	0.0006
T-305		<4.43E-05	<4.21E-05	<4.43E-05	<4.53E-05	<4.21E-05	<4.58E-05	<4.43E-05	<4.52E-05	<4.51E-05	<4.21E-05	0.0001	<4.42E-05	<4.42E-05	<4.50E-05	<4.53E-05
T-306		<4.42E-05	<4.21E-05	<4.42E-05	<4.53E-05	<4.21E-05	<4.58E-05	<4.42E-05	<4.51E-05	<4.50E-05	<4.21E-05	<4.53E-05	<4.42E-05	<4.42E-05	<4.49E-05	<4.53E-05
T-307		<4.40E-05	<4.19E-05	0.0001	0.0001	<4.19E-05	<4.56E-05	<4.40E-05	0.0001	<4.48E-05	0.0008	<4.51E-05	<4.40E-05	<4.40E-05	0.0001	0.0002
T-308		<4.76E-05	<4.53E-05	0.0005	0.0005	0.0006	<4.93E-05	<4.76E-05	0.0004	<4.84E-05	0.0022	0.0005	0.0003	0.0002	0.0012	0.0004
T-309		<1.23E-04	<1.17E-04	<1.23E-04	<1.26E-04	<1.17E-04	<1.28E-04	<1.23E-04	<1.26E-04	<1.25E-04	<1.17E-04	<1.26E-04	<1.23E-04	<1.23E-04	<1.25E-04	<1.26E-04
T-310		<6.36E-05	<6.06E-05	<6.37E-05	<6.52E-05	<6.06E-05	<6.59E-05	<6.36E-05	<6.49E-05	<6.48E-05	<6.06E-05	<6.52E-05	<6.36E-05	<6.36E-05	<6.47E-05	<6.52E-05
T-311		<8.73E-05	<8.31E-05	<8.73E-05	<8.94E-05	<8.31E-05	<9.04E-05	<8.73E-05	<8.91E-05	<8.88E-05	<8.31E-05	<8.94E-05	<8.72E-05	<8.72E-05	<8.87E-05	<8.94E-05
T-312		<5.73E-05	0.0049	0.0003	0.0005	0.0060	0.0005	<5.73E-05	<5.85E-05	0.0008	0.0041	0.0009	<5.73E-05	0.0017	0.0010	<5.87E-05
T-313		<4.90E-05	<4.67E-05	<4.90E-05	0.0001	0.0004	0.0015	<4.90E-05	<5.00E-05	<4.99E-05	0.0002	0.0002	<4.90E-05	0.0010	<4.98E-05	<5.02E-05
T-314		<4.47E-05	<4.25E-05	<4.47E-05	<4.58E-05	<4.25E-05	<4.63E-05	0.0001	<4.56E-05	<4.55E-05	<4.25E-05	<4.58E-05	<4.47E-05	<4.47E-05	<4.54E-05	<4.58E-05
T-401		<5.38E-05	<5.12E-05	<5.38E-05	<5.51E-05	<5.12E-05	<5.57E-05	<5.38E-05	<5.49E-05	<5.47E-05	<5.12E-05	<5.51E-05	<5.38E-05	<5.38E-05	<5.47E-05	<5.51E-05
T-402		<7.21E-05	<6.87E-05	<7.22E-05	<7.39E-05	<6.87E-05	<7.47E-05	<7.21E-05	<7.36E-05	<7.34E-05	<6.87E-05	<7.39E-05	<7.21E-05	<7.21E-05	<7.33E-05	<7.39E-05
T-403		<1.32E-04	<1.26E-04	<1.33E-04	<1.36E-04	<1.26E-04	<1.37E-04	<1.32E-04	<1.35E-04	<1.35E-04	<1.26E-04	<1.36E-04	<1.32E-04	<1.32E-04	<1.35E-04	<1.36E-04
T-404		<6.82E-05	<6.50E-05	<6.83E-05	<6.99E-05	<6.50E-05	<7.06E-05	<6.82E-05	<6.96E-05	<6.94E-05	<6.50E-05	<6.99E-05	<6.82E-05	<6.82E-05	<6.93E-05	<6.99E-05
T-405		<7.11E-05	<6.77E-05	<7.11E-05	<7.28E-05	<6.77E-05	<7.36E-05	<7.11E-05	<7.25E-05	<7.23E-05	<6.77E-05	<7.28E-05	<7.10E-05	<7.10E-05	<7.22E-05	<7.28E-05
T-406		<6.95E-05	<6.62E-05	<6.96E-05	<7.12E-05	<6.62E-05	<7.20E-05	<6.95E-05	<7.09E-05	<7.08E-05	<6.62E-05	<7.12E-05	<6.95E-05	<6.95E-05	<7.07E-05	<7.12E-05
T-407		<8.59E-05	<9.20E-05	<9.21E-05	<1.10E-04	<1.02E-04	<1.11E-04	<1.07E-04	<1.28E-04	<1.09E-04	<1.02E-04	<9.42E-05	<8.94E-05	<1.07E-04	<1.09E-04	<1.10E-04
T-408		<5.38E-05	<5.12E-05	0.0002	0.0002	<5.12E-05	<5.57E-05	<5.38E-05	0.0002	<5.47E-05	<5.12E-05	0.0001	<5.38E-05	<5.38E-05	<5.47E-05	0.0003
T-409		<5.21E-05	<5.58E-05	<5.59E-05	<6.67E-05	<6.20E-05	<6.75E-05	<6.51E-05	<7.76E-05	<6.63E-05	<6.20E-05	<5.72E-05	<5.43E-05	<6.51E-05	<6.62E-05	<6.67E-05
T-410		<8.06E-05	<7.68E-05	<8.07E-05	<8.26E-05	<7.68E-05	<8.35E-05	<8.06E-05	<8.23E-05	<8.21E-05	<7.68E-05	<8.26E-05	<8.06E-05	<8.06E-05	<8.20E-05	<8.26E-05
T-411		<1.03E-04	<9.81E-05	<1.03E-04	<1.06E-04	0.0019	<1.07E-04	0.0005	<1.05E-04	<1.05E-04	<9.81E-05	<1.06E-04	<1.03E-04	<1.03E-04	<1.05E-04	<1.06E-04
T-412		0.0012	0.0002	0.0009	0.0024	0.0008	0.0009	<5.11E-05	0.0017	0.0020	<4.86E-05	<5.23E-05	0.0016	0.0012	0.0002	<5.23E-05
T-413		0.0027	0.0033	<5.67E-05	0.0003	0.0012	0.0010	0.0023	0.0019	0.0033	<5.40E-05	0.0012	0.0001	<5.67E-05	0.0016	0.0004
T-414		<5.19E-05	<4.94E-05	<5.19E-05	<5.31E-05	<4.94E-05	<5.37E-05	<5.19E-05	<5.30E-05	<5.28E-05	<4.94E-05	<5.31E-05	<5.19E-05	<5.19E-05	<5.27E-05	<5.31E-05
T-501		<3.64E-04	<3.47E-04	<3.64E-04	<3.73E-04	<3.47E-04	<3.77E-04	<3.64E-04	<3.72E-04	<3.71E-04	<3.47E-04	<3.73E-04	<3.64E-04	<3.64E-04	<3.70E-04	<3.73E-04
T-502		<1.05E-04	0.0007	<1.05E-04	<1.08E-04	<1.00E-04	<1.09E-04	<1.05E-04	<1.07E-04	<1.07E-04	<1.00E-04	<1.08E-04	<1.05E-04	<1.05E-04	<1.07E-04	<1.08E-04
T-503		<2.11E-04	<2.01E-04	0.0005	<2.16E-04	<2.01E-04	<2.18E-04	<2.11E-04	<2.15E-04	<2.15E-04	<2.01E-04	<2.16E-04	<2.11E-04	<2.11E-04	<2.14E-04	0.0005
T-504		<1.14E-04	<1.08E-04	<1.14E-04	<1.17E-04	<1.08E-04	<1.18E-04	<1.14E-04	<1.16E-04	<1.16E-04	<1.08E-04	<1.17E-04	<1.14E-04	<1.14E-04	<1.16E-04	<1.17E-04
T-505		<7.72E-05	<7.35E-05	<7.72E-05	<7.90E-05	<7.35E-05	<7.99E-05	<7.72E-05	<7.87E-05	<7.85E-05	<7.35E-05	<7.90E-05	<7.71E-05	<7.71E-05	<7.84E-05	<7.90E-05
T-506		<6.75E-05	<6.43E-05	<6.76E-05	<6.92E-05	<6.43E-05	<6.99E-05	<6.75E-05	<6.89E-05	<6.87E-05	<6.43E-05	<6.92E-05	<6.75E-05	<6.75E-05	<6.86E-05	<6.92E-05
T-507		<5.55E-05	<5.29E-05	<5.56E-05	<5.69E-05	<5.29E-05	<5.75E-05	<5.55E-05	<5.67E-05	<5.65E-05	<5.29E-05	<5.69E-05	<5.55E-05	<5.55E-05	<5.65E-05	<5.69E-05
T-508		<7.42E-05	<7.07E-05	<7.43E-05	<7.61E-05	<7.07E-05	<7.69E-05	<7.42E-05	<7.58E-05	<7.56E-05	<7.07E-05	<7.61E-05	<7.42E-05	<7.42E-05	<7.55E-05	<7.61E-05
T-509		<5.58E-05	<5.32E-05	<5.59E-05	<5.72E-05	<5.32E-05	<5.78E-05	<5.58E-05	<5.70E-05	<5.68E-05	<5.32E-05	<5.72E-05	<5.58E-05	<5.58E-05	<5.67E-05	<5.72E-05
T-510		0.0011	0.0009	0.0003	0.0006	0.0004	0.0003	<6.21E-05	0.0002	0.0003	0.0008	0.0002	0.0012	0.0002	0.0007	0.0002
T-511		<5.65E-05	<5.38E-05	<5.65E-05	<5.79E-05	<5.38E-05	<5.85E-05	0.0001	<5.77E-05	<5.75E-05	<5.38E-05	<5.79E-05	<5.65E-05	<5.65E-05	<5.74E-05	<5.79E-05
T-512		<1.68E-04	<1.60E-04	<1.69E-04	<1.73E-04	<1.60E-04	<1.74E-04	<1.68E-04	<1.72E-04	<1.71E-04	<1.60E-04	<1.73E-04	<1.68E-04	<1.68E-04	<1.71E-04	<1.73E-04
T-513		<1.53E-04	<1.45E-04	<1.53E-04	<1.56E-04	<1.45E-04	<1.58E-04	<1.53E-04	<1.56E-04	<1.56E-04	<1.45E-04	<1.56E-04	<1.53E-04	<1.53E-04	<1.55E-04	<1.56E-04
T-514		<5.41E-05	<5.15E-05	<5.41E-05	<5.54E-05	<5.15E-05	<5.60E-05	<5.41E-05	<5.52E-05	<5.51E-05	<5.15E-05	<5.54E-05	<5.41E-05	<5.41E-05	<5.50E-05	<5.54E-05

Sample ID	Compound	3-Methylheptane	Methylcyclopentane	Cyclopentane	1,4-Diethylbenzene	2,3-Dimethylpentane	2,2-Dimethylbutane	2,3-Dimethylbutane	Undecane	Dodecane
	CAS	589-81-1	96-37-7	287-92-3	105-05-5	565-59-3	75-83-2	79-29-8	1120-21-4	112-40-3
	MW	114.2	84.2	70.1	134.2	100.2	86.2	86.2	156.3	170.3
Lab Data (ppbv)										
T-101		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103		ND	ND	ND	ND	1.23	ND	ND	ND	ND
T-104		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		ND	ND	1.15	ND	2.14	1.62	ND	ND	ND
T-113		ND	ND	1.02	ND	2.09	1.42	ND	ND	ND
T-114		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210		ND	ND	ND	ND	1.33	ND	ND	ND	ND
T-211		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212		3.65	ND	0.97	1.61	2.24	ND	ND	ND	ND
T-213		ND	ND	ND	ND	0.78	ND	ND	ND	ND
T-214		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		ND	ND	0.82	ND	ND	ND	ND	ND	ND
T-302		ND	ND	1.02	ND	ND	ND	ND	ND	ND
T-303		ND	ND	2.24	ND	ND	ND	ND	ND	ND
T-304		ND	ND	2.88	ND	1.75	3.48	ND	ND	ND
T-305		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307		ND	ND	ND	2.1	ND	ND	ND	ND	ND
T-308		2.16	ND	1.69	7.29	1.56	1.55	ND	ND	ND
T-309		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312		8.84	2.52	ND	8.55	ND	ND	3.86	ND	ND
T-313		2.78	1.28	ND	ND	ND	ND	2.54	ND	ND
T-314		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408		ND	ND	1.26	ND	0.75	1.74	ND	ND	ND
T-409		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410		ND	ND	1.03	ND	ND	ND	ND	ND	ND
T-411		ND	ND	0.99	ND	ND	ND	ND	ND	ND
T-412		3.37	3.45	2.99	0.74	ND	2.08	ND	ND	ND
T-413		ND	13.21	ND	ND	6.52	ND	ND	ND	ND
T-414		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	0.95	ND
T-502		2.3	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	0.96	ND	ND	ND	ND	ND	ND
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510		2.01	3.83	2.8	1.45	1.04	1.21	ND	1.59	ND
T-511		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513		ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514		ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	3-Methylheptane	Methylcyclopentane	Cyclopentane	1,4-Diethylbenzene	2,3-Dimethylpentane	2,2-Dimethylbutane	2,3-Dimethylbutane	Undecane	Dodecane
CAS	589-81-1	96-37-7	287-92-3	105-05-5	565-59-3	75-83-2	79-29-8	1120-21-4	112-40-3
MW	114.2	84.2	70.1	134.2	100.2	86.2	86.2	156.3	170.3
MDL (ppbv)									
T-101	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-102	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-103	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-104	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-105	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-106	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-107	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-108	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-109	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-110	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-111	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-112	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-113	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-114	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-201	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-202	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-203	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-204	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-205	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-206	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-207	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-208	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-209	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-210	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-211	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-212	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-213	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-214	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-301	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-302	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-303	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-304	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-305	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-306	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-307	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-308	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-309	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-310	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-311	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-312	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-313	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-314	0.50	0.67	0.80	0.40	0.57	0.67	0.67	0.36	0.33
T-401	0.59	0.79	0.95	0.48	0.68	0.79	0.79	0.43	0.40
T-402	0.60	0.80	0.95	0.48	0.68	0.80	0.80	0.43	0.40
T-403	0.59	0.79	0.95	0.48	0.68	0.79	0.79	0.43	0.40
T-404	0.59	0.79	0.94	0.47	0.67	0.79	0.79	0.43	0.39
T-405	0.62	0.83	1.00	0.50	0.71	0.83	0.83	0.45	0.41
T-406	0.60	0.80	0.96	0.48	0.69	0.80	0.80	0.44	0.40
T-407	0.60	0.80	0.80	0.40	0.60	0.80	0.80	9.04	54.22
T-408	0.61	0.81	0.98	0.49	0.70	0.81	0.81	0.44	0.41
T-409	0.62	0.83	0.83	0.41	0.62	0.83	0.83	9.30	55.81
T-410	0.62	0.82	0.99	0.49	0.70	0.82	0.82	0.45	0.41
T-411	0.62	0.82	0.99	0.49	0.70	0.82	0.82	0.45	0.41
T-412	0.59	0.79	0.95	0.47	0.68	0.79	0.79	0.43	0.40
T-413	0.66	0.88	1.05	0.53	0.75	0.88	0.88	0.48	0.44
T-414	0.58	0.77	0.93	0.46	0.66	0.77	0.77	0.42	0.39
T-501	0.59	0.79	0.95	0.48	0.68	0.79	0.79	0.43	0.40
T-502	0.59	0.78	0.94	0.47	0.67	0.78	0.78	0.43	0.39
T-503	0.60	0.80	0.96	0.48	0.68	0.80	0.80	0.44	0.40
T-504	0.61	0.81	0.97	0.49	0.69	0.81	0.81	0.44	0.41
T-505	0.62	0.83	0.99	0.50	0.71	0.83	0.83	0.45	0.41
T-506	0.60	0.80	0.96	0.48	0.69	0.80	0.80	0.44	0.40
T-507	0.62	0.82	0.99	0.49	0.70	0.82	0.82	0.45	0.41
T-508	0.60	0.80	0.96	0.48	0.69	0.80	0.80	0.44	0.40
T-509	0.63	0.84	1.01	0.50	0.72	0.84	0.84	0.46	0.42
T-510	0.58	0.78	0.93	0.47	0.66	0.78	0.78	0.42	0.39
T-511	0.63	0.84	1.01	0.51	0.72	0.84	0.84	0.46	0.42
T-512	0.61	0.81	0.98	0.49	0.70	0.81	0.81	0.44	0.41
T-513	0.59	0.78	0.94	0.47	0.67	0.78	0.78	0.43	0.39
T-514	0.61	0.81	0.97	0.48	0.69	0.81	0.81	0.44	0.40

Sample ID	Compound	3-Methylheptane	Methylcyclopentane	Cyclopentane	1,4-Diethylbenzene	2,3-Dimethylpentane	2,2-Dimethylbutane	2,3-Dimethylbutane	Undecane	Dodecane
	CAS	589-81-1	96-37-7	287-92-3	105-05-5	565-59-3	75-83-2	79-29-8	1120-21-4	112-40-3
	MW	114.2	84.2	70.1	134.2	100.2	86.2	86.2	156.3	170.3
Data Used (ug/m3										
T-101		<1.10E+00	<1.08E+00	<1.08E+00	<1.03E+00	<1.10E+00	<1.11E+00	<1.11E+00	<1.09E+00	<1.09E+00
T-102		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.10E+00
T-103		<1.09E+00	<1.07E+00	<1.07E+00	<1.02E+00	4.70	<1.09E+00	<1.09E+00	<1.08E+00	<1.08E+00
T-104		<1.09E+00	<1.07E+00	<1.07E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.10E+00	<1.08E+00	<1.08E+00
T-105		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.10E+00
T-106		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.10E+00
T-107		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.10E+00
T-108		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.11E+00
T-109		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00
T-110		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.12E+00	<1.12E+00	<1.10E+00	<1.10E+00
T-111		<1.11E+00	<1.09E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.10E+00
T-112		<1.10E+00	<1.08E+00	3.12	<1.04E+00	8.29	5.40	<1.11E+00	<1.10E+00	<1.10E+00
T-113		<1.10E+00	<1.08E+00	2.76	<1.04E+00	8.09	4.73	<1.11E+00	<1.10E+00	<1.10E+00
T-114		<1.18E+00	<1.16E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-201		<1.13E+00	<1.11E+00	<1.11E+00	<1.07E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.13E+00
T-202		<1.15E+00	<1.13E+00	<1.13E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.15E+00	<1.15E+00
T-203		<1.14E+00	<1.12E+00	<1.12E+00	<1.08E+00	<1.15E+00	<1.15E+00	<1.15E+00	<1.14E+00	<1.14E+00
T-204		<1.14E+00	<1.12E+00	<1.12E+00	<1.07E+00	<1.14E+00	<1.15E+00	<1.15E+00	<1.14E+00	<1.13E+00
T-205		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.11E+00
T-206		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00
T-207		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.11E+00
T-208		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00
T-209		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.11E+00
T-210		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	5.23	<1.13E+00	<1.13E+00	<1.12E+00	<1.11E+00
T-211		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.11E+00
T-212		16.34	<1.10E+00	2.67	8.47	8.80	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00
T-213		<1.12E+00	<1.10E+00	<1.10E+00	<1.05E+00	3.06	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00
T-214		<1.18E+00	<1.16E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-301		<1.18E+00	<1.16E+00	2.38	<1.11E+00	<1.18E+00	<1.19E+00	<1.19E+00	<1.17E+00	<1.17E+00
T-302		<1.18E+00	<1.16E+00	2.97	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-303		<1.18E+00	<1.16E+00	6.47	<1.11E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.17E+00
T-304		<1.17E+00	<1.15E+00	8.30	<1.10E+00	7.21	12.33	<1.18E+00	<1.17E+00	<1.17E+00
T-305		<1.17E+00	<1.15E+00	<1.15E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.16E+00
T-306		<1.17E+00	<1.15E+00	<1.15E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.16E+00	<1.16E+00
T-307		<1.16E+00	<1.15E+00	<1.14E+00	11.50	<1.17E+00	<1.17E+00	<1.17E+00	<1.16E+00	<1.16E+00
T-308		10.08	<1.15E+00	4.84	39.99	6.39	5.46	<1.17E+00	<1.16E+00	<1.16E+00
T-309		<1.18E+00	<1.16E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-310		<1.18E+00	<1.16E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-311		<1.18E+00	<1.16E+00	<1.15E+00	<1.11E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.17E+00	<1.17E+00
T-312		41.19	8.66	<1.14E+00	46.81	<1.17E+00	<1.17E+00	13.57	<1.16E+00	<1.16E+00
T-313		12.95	4.40	<1.14E+00	<1.10E+00	<1.17E+00	<1.17E+00	8.93	<1.16E+00	<1.16E+00
T-314		<1.18E+00	<1.16E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.18E+00	<1.18E+00
T-401		<1.42E+00	<1.40E+00	<1.40E+00	<1.34E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.42E+00	<1.41E+00
T-402		<1.43E+00	<1.41E+00	<1.40E+00	<1.34E+00	<1.43E+00	<1.44E+00	<1.44E+00	<1.42E+00	<1.42E+00
T-403		<1.45E+00	<1.42E+00	<1.42E+00	<1.36E+00	<1.45E+00	<1.46E+00	<1.46E+00	<1.44E+00	<1.44E+00
T-404		<1.42E+00	<1.39E+00	<1.39E+00	<1.33E+00	<1.42E+00	<1.43E+00	<1.43E+00	<1.41E+00	<1.41E+00
T-405		<1.46E+00	<1.43E+00	<1.43E+00	<1.37E+00	<1.46E+00	<1.47E+00	<1.47E+00	<1.45E+00	<1.45E+00
T-406		<1.38E+00	<1.36E+00	<1.36E+00	<1.30E+00	<1.39E+00	<1.39E+00	<1.39E+00	<1.38E+00	<1.37E+00
T-407		<1.37E+00	<1.34E+00	<1.12E+00	<1.07E+00	<1.20E+00	<1.37E+00	<1.37E+00	<2.80E+01	<1.83E+02
T-408		<1.42E+00	<1.40E+00	3.61	<1.34E+00	3.07	6.13	<1.43E+00	<1.42E+00	<1.42E+00
T-409		<1.40E+00	<1.38E+00	<1.15E+00	<1.10E+00	<1.23E+00	<1.41E+00	<1.41E+00	<2.87E+01	<1.88E+02
T-410		<1.42E+00	<1.39E+00	2.90	<1.33E+00	<1.42E+00	<1.42E+00	<1.42E+00	<1.41E+00	<1.41E+00
T-411		<1.38E+00	<1.36E+00	2.72	<1.30E+00	<1.38E+00	<1.39E+00	<1.39E+00	<1.37E+00	<1.37E+00
T-412		15.36	11.59	8.36	3.96	<1.36E+00	7.16	<1.36E+00	<1.35E+00	<1.34E+00
T-413		<1.50E+00	44.39	<1.47E+00	<1.41E+00	26.07	<1.51E+00	<1.51E+00	<1.49E+00	<1.49E+00
T-414		<1.37E+00	<1.35E+00	<1.35E+00	<1.29E+00	<1.38E+00	<1.38E+00	<1.38E+00	<1.37E+00	<1.36E+00
T-501		<1.46E+00	<1.43E+00	<1.43E+00	<1.37E+00	<1.46E+00	<1.47E+00	<1.47E+00	6.38	<1.45E+00
T-502		11.15	<1.40E+00	<1.40E+00	<1.34E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.42E+00	<1.42E+00
T-503		<1.46E+00	<1.43E+00	2.87	<1.37E+00	<1.46E+00	<1.47E+00	<1.47E+00	<1.45E+00	<1.45E+00
T-504		<1.47E+00	<1.45E+00	<1.45E+00	<1.38E+00	<1.48E+00	<1.48E+00	<1.48E+00	<1.47E+00	<1.46E+00
T-505		<1.47E+00	<1.44E+00	<1.44E+00	<1.38E+00	<1.47E+00	<1.47E+00	<1.47E+00	<1.46E+00	<1.46E+00
T-506		<1.43E+00	<1.40E+00	<1.40E+00	<1.34E+00	<1.43E+00	<1.43E+00	<1.43E+00	<1.42E+00	<1.42E+00
T-507		<1.47E+00	<1.45E+00	<1.44E+00	<1.38E+00	<1.47E+00	<1.48E+00	<1.48E+00	<1.46E+00	<1.46E+00
T-508		<1.43E+00	<1.40E+00	<1.40E+00	<1.34E+00	<1.43E+00	<1.44E+00	<1.44E+00	<1.42E+00	<1.42E+00
T-509		<1.48E+00	<1.45E+00	<1.45E+00	<1.39E+00	<1.48E+00	<1.49E+00	<1.49E+00	<1.47E+00	<1.47E+00
T-510		9.45	13.28	8.08	8.01	4.29	4.30	<1.38E+00	10.23	<1.36E+00
T-511		<1.47E+00	<1.44E+00	<1.44E+00	<1.38E+00	<1.47E+00	<1.48E+00	<1.48E+00	<1.46E+00	<1.46E+00
T-512		<1.42E+00	<1.40E+00	<1.39E+00	<1.33E+00	<1.42E+00	<1.43E+00	<1.43E+00	<1.41E+00	<1.41E+00
T-513		<1.36E+00	<1.34E+00	<1.34E+00	<1.28E+00	<1.36E+00	<1.37E+00	<1.37E+00	<1.35E+00	<1.35E+00
T-514		<1.43E+00	<1.41E+00	<1.41E+00	<1.35E+00	<1.44E+00	<1.44E+00	<1.44E+00	<1.43E+00	<1.42E+00

Temp.		273.15	0.08205737
oF	oC	oK	RT
110	43.33	316.5	25.96979
107	41.67	314.8	25.83303
116	46.67	319.8	26.24331
115	46.11	319.3	26.19773
104	40	313.2	25.69626
107	41.67	314.8	25.83303
107	41.67	314.8	25.83303
102	38.89	312	25.60509
100	37.78	310.9	25.51391
105	40.56	313.7	25.74185
106	41.11	314.3	25.78744
108	42.22	315.4	25.87861
108	42.22	315.4	25.87861
70	21.11	294.3	24.14629
93	33.89	307	25.1948
84	28.89	302	24.78452
88	31.11	304.3	24.96687
89	31.67	304.8	25.01245
101	38.33	311.5	25.5595
99	37.22	310.4	25.46833
101	38.33	311.5	25.5595
100	37.78	310.9	25.51391
102	38.89	312	25.60509
99	37.22	310.4	25.46833
102	38.89	312	25.60509
100	37.78	310.9	25.51391
100	37.78	310.9	25.51391
70	21.11	294.3	24.14629
71	21.67	294.8	24.19188
69	20.56	293.7	24.1007
73	22.78	295.9	24.28305
74	23.33	296.5	24.32864
75	23.89	297	24.37423
76	24.44	297.6	24.41982
78	25.56	298.7	24.51099
77	25	298.2	24.4654
70	21.11	294.3	24.14629
69	20.56	293.7	24.1007
73	22.78	295.9	24.28305
78	25.56	298.7	24.51099
78	25.56	298.7	24.51099
70	21.11	294.3	24.14629
63	17.22	290.4	23.82718
63	17.22	290.4	23.82718
55	12.78	285.9	23.46248
62	16.67	289.8	23.78159
75	23.89	297	24.37423
86	30	303.2	24.87569
93	33.89	307	25.1948
77	25	298.2	24.4654
95	35	308.2	25.28598
86	30	303.2	24.87569
100	37.78	310.9	25.51391
90	32.22	305.4	25.05804
90	32.22	305.4	25.05804
70	21.11	294.3	24.14629
51	10.56	283.7	23.28013
57	13.89	287	23.55366
54	12.22	285.4	23.41689
57	13.89	287	23.55366
70	21.11	294.3	24.14629
69	20.56	293.7	24.1007
65	18.33	291.5	23.91835
67	19.44	292.6	24.00953
74	23.33	296.5	24.32864
73	22.78	295.9	24.28305
81	27.22	300.4	24.64775
79	26.11	299.3	24.55658
79	26.11	299.3	24.55658
70	21.11	294.3	24.14629

Sample ID	Compound	3-Methylheptane	Methylcyclopentane	Cyclopentane	1,4-Diethylbenzene	2,3-Dimethylpentane	2,2-Dimethylbutane	2,3-Dimethylbutane	Undecane	Dodecane	
	CAS	589-81-1	96-37-7	287-92-3	105-05-5	565-59-3	75-83-2	79-29-8	1120-21-4	112-40-3	
	MW	114.2	84.2	70.1	134.2	100.2	86.2	86.2	156.3	170.3	0
	Flux (mg/m2-min)										Flow (m3/min)
T-101		<6.28E-05	<6.17E-05	<6.16E-05	<5.90E-05	<6.29E-05	<6.32E-05	<6.32E-05	<6.25E-05	<6.24E-05	0.007
T-102		<4.71E-05	<4.63E-05	<4.63E-05	<4.43E-05	<4.72E-05	<4.74E-05	<4.74E-05	<4.69E-05	<4.68E-05	0.006
T-103		<1.27E-04	<1.25E-04	<1.25E-04	<1.19E-04	0.0005	<1.28E-04	<1.28E-04	<1.26E-04	<1.26E-04	0.015
T-104		<1.37E-04	<1.34E-04	<1.34E-04	<1.28E-04	<1.37E-04	<1.37E-04	<1.37E-04	<1.36E-04	<1.36E-04	0.016
T-105		<4.27E-05	<4.20E-05	<4.20E-05	<4.02E-05	<4.29E-05	<4.30E-05	<4.30E-05	<4.25E-05	<4.25E-05	0.005
T-106		<5.03E-05	<4.94E-05	<4.94E-05	<4.73E-05	<5.04E-05	<5.06E-05	<5.06E-05	<5.01E-05	<5.00E-05	0.006
T-107		<1.18E-04	<1.16E-04	<1.15E-04	<1.11E-04	<1.18E-04	<1.18E-04	<1.18E-04	<1.17E-04	<1.17E-04	0.014
T-108		<1.91E-04	<1.88E-04	<1.88E-04	<1.79E-04	<1.91E-04	<1.92E-04	<1.92E-04	<1.90E-04	<1.90E-04	0.022
T-109		<4.91E-05	<4.83E-05	<4.82E-05	<4.62E-05	<4.92E-05	<4.94E-05	<4.94E-05	<4.89E-05	<4.88E-05	0.006
T-110		<4.27E-05	<4.19E-05	<4.19E-05	<4.01E-05	<4.28E-05	<4.29E-05	<4.29E-05	<4.25E-05	<4.24E-05	0.005
T-111		<1.88E-04	<1.85E-04	<1.85E-04	<1.77E-04	<1.88E-04	<1.89E-04	<1.89E-04	<1.87E-04	<1.87E-04	0.022
T-112		<1.01E-04	<9.96E-05	0.0003	<9.53E-05	0.0008	0.0005	<1.02E-04	<1.01E-04	<1.01E-04	0.012
T-113		<9.11E-05	<8.96E-05	0.0002	<8.57E-05	0.0007	0.0004	<9.17E-05	<9.07E-05	<9.06E-05	0.011
T-114		<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05	<4.52E-05	0.005
T-201		<6.87E-05	<6.76E-05	<6.75E-05	<6.46E-05	<6.89E-05	<6.92E-05	<6.92E-05	<6.84E-05	<6.83E-05	0.008
T-202		<8.71E-05	<8.56E-05	<8.55E-05	<8.18E-05	<8.73E-05	<8.76E-05	<8.76E-05	<8.67E-05	<8.65E-05	0.01
T-203		<5.45E-05	<5.36E-05	<5.35E-05	<5.12E-05	<5.46E-05	<5.48E-05	<5.48E-05	<5.42E-05	<5.42E-05	0.006
T-204		<6.73E-05	<6.62E-05	<6.61E-05	<6.33E-05	<6.75E-05	<6.77E-05	<6.77E-05	<6.70E-05	<6.69E-05	0.008
T-205		<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.34E-05	<4.34E-05	<4.29E-05	<4.29E-05	0.005
T-206		<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.34E-05	<4.34E-05	<4.29E-05	<4.29E-05	0.005
T-207		<4.30E-05	<4.22E-05	<4.22E-05	<4.04E-05	<4.31E-05	<4.32E-05	<4.32E-05	<4.28E-05	<4.27E-05	0.005
T-208		<4.30E-05	<4.23E-05	<4.23E-05	<4.05E-05	<4.32E-05	<4.33E-05	<4.33E-05	<4.28E-05	<4.28E-05	0.005
T-209		<4.73E-05	<4.65E-05	<4.65E-05	<4.45E-05	<4.75E-05	<4.76E-05	<4.76E-05	<4.71E-05	<4.71E-05	0.006
T-210		<4.31E-05	<4.24E-05	<4.23E-05	<4.05E-05	0.0002	<4.34E-05	<4.34E-05	<4.29E-05	<4.29E-05	0.005
T-211		<4.29E-05	<4.22E-05	<4.21E-05	<4.03E-05	<4.30E-05	<4.32E-05	<4.32E-05	<4.27E-05	<4.26E-05	0.005
T-212		0.0011	<7.55E-05	0.0002	0.0006	0.0006	<7.73E-05	<7.73E-05	<7.65E-05	<7.64E-05	0.009
T-213		<6.60E-05	<6.49E-05	<6.49E-05	<6.21E-05	0.0002	<6.65E-05	<6.65E-05	<6.57E-05	<6.56E-05	0.008
T-214		<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05	<4.52E-05	0.005
T-301		<5.15E-05	<5.07E-05	0.0001	<4.84E-05	<5.17E-05	<5.19E-05	<5.19E-05	<5.13E-05	<5.12E-05	0.006
T-302		<8.62E-05	<8.47E-05	0.0002	<8.10E-05	<8.64E-05	<8.67E-05	<8.67E-05	<8.58E-05	<8.57E-05	0.009
T-303		<5.36E-05	<5.27E-05	0.0003	<5.04E-05	<5.37E-05	<5.39E-05	<5.39E-05	<5.33E-05	<5.33E-05	0.006
T-304		<4.51E-05	<4.44E-05	0.0003	<4.24E-05	0.0003	0.0005	<4.54E-05	<4.49E-05	<4.49E-05	0.005
T-305		<4.51E-05	<4.43E-05	<4.42E-05	<4.24E-05	<4.52E-05	<4.53E-05	<4.53E-05	<4.48E-05	<4.48E-05	0.005
T-306		<4.50E-05	<4.42E-05	<4.42E-05	<4.23E-05	<4.51E-05	<4.53E-05	<4.53E-05	<4.48E-05	<4.47E-05	0.005
T-307		<4.48E-05	<4.40E-05	<4.40E-05	0.0004	<4.49E-05	<4.51E-05	<4.51E-05	<4.46E-05	<4.45E-05	0.005
T-308		0.0004	<4.76E-05	0.0002	0.0017	0.0003	0.0002	<4.87E-05	<4.82E-05	<4.81E-05	0.005
T-309		<1.25E-04	<1.23E-04	<1.23E-04	<1.18E-04	<1.26E-04	<1.26E-04	<1.26E-04	<1.25E-04	<1.25E-04	0.014
T-310		<6.48E-05	<6.37E-05	<6.36E-05	<6.09E-05	<6.49E-05	<6.52E-05	<6.52E-05	<6.45E-05	<6.44E-05	0.007
T-311		<8.88E-05	<8.73E-05	<8.72E-05	<8.35E-05	<8.91E-05	<8.94E-05	<8.94E-05	<8.84E-05	<8.83E-05	0.01
T-312		0.0021	0.0004	<5.73E-05	0.0023	<5.85E-05	<5.87E-05	0.0007	<5.81E-05	<5.80E-05	0.007
T-313		0.0006	0.0002	<4.90E-05	<4.69E-05	<5.00E-05	<5.02E-05	0.0004	<4.96E-05	<4.96E-05	0.006
T-314		<4.55E-05	<4.47E-05	<4.47E-05	<4.28E-05	<4.56E-05	<4.58E-05	<4.58E-05	<4.53E-05	<4.52E-05	0.005
T-401		<5.47E-05	<5.38E-05	<5.38E-05	<5.15E-05	<5.49E-05	<5.51E-05	<5.51E-05	<5.45E-05	<5.44E-05	0.005
T-402		<7.34E-05	<7.22E-05	<7.21E-05	<6.90E-05	<7.36E-05	<7.39E-05	<7.39E-05	<7.31E-05	<7.30E-05	0.007
T-403		<1.35E-04	<1.33E-04	<1.32E-04	<1.27E-04	<1.35E-04	<1.36E-04	<1.36E-04	<1.34E-04	<1.34E-04	0.012
T-404		<6.94E-05	<6.83E-05	<6.82E-05	<6.53E-05	<6.96E-05	<6.99E-05	<6.99E-05	<6.91E-05	<6.90E-05	0.006
T-405		<7.23E-05	<7.11E-05	<7.10E-05	<6.80E-05	<7.25E-05	<7.28E-05	<7.28E-05	<7.20E-05	<7.19E-05	0.006
T-406		<7.08E-05	<6.96E-05	<6.95E-05	<6.65E-05	<7.09E-05	<7.12E-05	<7.12E-05	<7.04E-05	<7.03E-05	0.007
T-407		<1.09E-04	<1.07E-04	<8.94E-05	<8.56E-05	<9.59E-05	<1.10E-04	<1.10E-04	<2.24E-03	<1.47E-02	0.01
T-408		<5.47E-05	<5.38E-05	0.0001	<5.15E-05	0.0001	0.0002	<5.51E-05	<5.45E-05	<5.44E-05	0.005
T-409		<6.63E-05	<6.52E-05	<5.43E-05	<5.19E-05	<5.82E-05	<6.67E-05	<6.67E-05	<1.36E-03	<8.90E-03	0.006
T-410		<8.21E-05	<8.07E-05	0.0002	<7.72E-05	<8.23E-05	<8.26E-05	<8.26E-05	<8.17E-05	<8.16E-05	0.008
T-411		<1.05E-04	<1.03E-04	0.0002	<9.86E-05	<1.05E-04	<1.06E-04	<1.06E-04	<1.04E-04	<1.04E-04	0.01
T-412		0.0006	0.0004	0.0003	0.0002	<5.21E-05	0.0003	<5.23E-05	<5.17E-05	<5.17E-05	0.005
T-413		<5.77E-05	0.0017	<5.67E-05	<5.42E-05	0.0010	<5.81E-05	<5.81E-05	<5.74E-05	<5.74E-05	0.005
T-414		<5.28E-05	<5.19E-05	<5.19E-05	<4.96E-05	<5.30E-05	<5.31E-05	<5.31E-05	<5.26E-05	<5.25E-05	0.005
T-501		<3.71E-04	<3.64E-04	<3.64E-04	<3.48E-04	<3.72E-04	<3.73E-04	<3.73E-04	0.0016	<3.68E-04	0.033
T-502		0.0008	<1.05E-04	<1.05E-04	<1.01E-04	<1.07E-04	<1.08E-04	<1.08E-04	<1.07E-04	<1.07E-04	0.01
T-503		<2.15E-04	<2.11E-04	0.0004	<2.02E-04	<2.15E-04	<2.16E-04	<2.16E-04	<2.14E-04	<2.13E-04	0.019
T-504		<1.16E-04	<1.14E-04	<1.14E-04	<1.09E-04	<1.16E-04	<1.17E-04	<1.17E-04	<1.15E-04	<1.15E-04	0.01
T-505		<7.85E-05	<7.72E-05	<7.71E-05	<7.38E-05	<7.87E-05	<7.90E-05	<7.90E-05	<7.82E-05	<7.81E-05	0.007
T-506		<6.87E-05	<6.76E-05	<6.75E-05	<6.46E-05	<6.89E-05	<6.92E-05	<6.92E-05	<6.84E-05	<6.83E-05	0.006
T-507		<5.65E-05	<5.56E-05	<5.55E-05	<5.32E-05	<5.67E-05	<5.69E-05	<5.69E-05	<5.63E-05	<5.62E-05	0.005
T-508		<7.56E-05	<7.43E-05	<7.42E-05	<7.10E-05	<7.58E-05	<7.61E-05	<7.61E-05	<7.52E-05	<7.51E-05	0.007
T-509		<5.68E-05	<5.59E-05	<5.58E-05	<5.34E-05	<5.70E-05	<5.72E-05	<5.72E-05	<5.66E-05	<5.65E-05	0.005
T-510		0.0004	0.0006	0.0004	0.0004	0.0002	0.0002	<6.36E-05	0.0005	<6.28E-05	0.006
T-511		<5.75E-05	<5.65E-05	<5.65E-05	<5.41E-05	<5.77E-05	<5.79E-05	<5.79E-05	<5.72E-05	<5.72E-05	0.005
T-512		<1.71E-04	<1.69E-04	<1.68E-04	<1.61E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.71E-04	<1.70E-04	0.016
T-513		<1.56E-04	<1.53E-04	<1.53E-04	<1.46E-04	<1.56E-04	<1.56E-04	<1.56E-04	<1.55E-04	<1.55E-04	0.015
T-514		<5.51E-05	<5.41E-05	<5.41E-05	<5.18E-05	<5.52E-05	<5.54E-05	<5.54E-05	<5.48E-05	<5.47E-05	0.005

Table 5. SCAQMD Method 307-91 ORS Data | Data shaded in magenta had no detects for this test event |

Sample ID / Compound	Total Reduced Sulfurs	Dimethyl Sulfide	Isopropyl Mercaptan	Hydrogen Sulfide	Total Unidentified Sulfur	sec-Butyl Mercaptan / Thiophene	Methyl Mercaptan	iso-Butyl Mercaptan	Dimethyl Disulfide	COS / SO2	2-Methylthiophene	Ethyl Mercaptan	Carbon Disulfide	tert-Butyl Mercaptan	n-Propyl Mercaptan
CAS	7783-06-4	75-18-3	75-33-2	7783-06-4	7783-06-4	513-53-1	74-93-1	513-44-0	624-92-0	463-58-1	554-14-3	75-08-1	75-15-0	75-66-1	107-03-9
MW	34.08	62.134	76.16	34.08	34.08	90.186	48.11	90.186	94.19	60.08	98.16	62.134	76.14	90.186	76.16
Lab Data (ppbv)															
S- 101 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 102 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 103 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 104 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 105 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 106 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 107 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 108 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 109 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 110 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 111 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 112 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 113 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 114 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 201 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 202 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 203 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 204 a	0.029	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 205 a	0.009	ND	ND	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 206 a	0.026	ND	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 207 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 208 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 209 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 210 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 211 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 212 a	0.013	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 213 a	0.01	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 214 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 301 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 302 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 303 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 304 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 305 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 306 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 307 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 308 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 309 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 310 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 311 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 312 a	0.06	0.017	0.017	ND	0.006	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 313 a	0.076	0.016	0.018	ND	0.021	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 314 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 401 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 402 a	0.041	ND	ND	0.041	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 403 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 404 a	0.016	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 405 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 406 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 407 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 408 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 409 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 410 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 411 a	0.154	0.154	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 412 a	0.703	0.178	0.125	0.06	0.116	0.099	0.068	0.023	0.021	0.03	0.013	ND	ND	ND	ND
S- 413 a	0.77	0.193	0.142	0.066	0.132	0.109	0.081	0.026	0.021	0.007	ND	ND	ND	ND	ND
S- 414 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 501 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 502 a	0.006	ND	ND	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 503 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 504 a	0.011	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 505 a	0.005	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 506 a	0.008	ND	ND	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 507 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 508 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 509 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 510 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 511 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 512 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 513 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 514 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID / Compound	Total Reduced Sulfurs	Dimethyl Sulfide	Isopropyl Mercaptan	Hydrogen Sulfide	Total Unidentified Sulfur	sec-Butyl Mercaptan / Thiophene	Methyl Mercaptan	iso-Butyl Mercaptan	Dimethyl Disulfide	COS / SO2	2-Methylthiophene	Ethyl Mercaptan	Carbon Disulfide	tert-Butyl Mercaptan	n-Propyl Mercaptan
CAS	7783-06-4	75-18-3	75-33-2	7783-06-4	7783-06-4	513-53-1	74-93-1	513-44-0	624-92-0	463-58-1	554-14-3	75-08-1	75-15-0	75-66-1	107-03-9
MW	34.08	62.134	76.16	34.08	34.08	90.186	48.11	90.186	94.19	60.08	98.16	62.134	76.14	90.186	76.16
MDL (ppmv)															
S- 101 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 102 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 103 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 104 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 105 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 106 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 107 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 108 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 109 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 110 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 111 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 112 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 113 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 114 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 201 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 202 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 203 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 204 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 205 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 206 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 207 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 208 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 209 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 210 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 211 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 212 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 213 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 214 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 301 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 302 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 303 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 304 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 305 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 306 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 307 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 308 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 309 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 310 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 311 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 312 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 313 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 314 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 401 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 402 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 403 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 404 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 405 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 406 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 407 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 408 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 409 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 410 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 411 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 412 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 413 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 414 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 501 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 502 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 503 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 504 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 505 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 506 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 507 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 508 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 509 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 510 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 511 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 512 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 513 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 514 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

Sample ID	Compound	Total Reduced Sulfurs	Dimethyl Sulfide	Isopropyl Mercaptan	Hydrogen Sulfide	Total Unidentified Sulfur	sec-Butyl Mercaptan / Thiophene	Methyl Mercaptan	iso-Butyl Mercaptan	Dimethyl Disulfide	COS / SO2	2-Methylthiophene	Ethyl Mercaptan	Carbon Disulfide	tert-Butyl Mercaptan	n-Propyl Mercaptan
CAS		7783-06-4	75-18-3	75-33-2	7783-06-4	7783-06-4	513-53-1	74-93-1	513-44-0	624-92-0	463-58-1	554-14-3	75-08-1	75-15-0	75-66-1	107-03-9
MW		34.08	62.134	76.16	34.08	34.08	90.186	48.11	90.186	94.19	60.08	98.16	62.134	76.14	90.186	76.16
Data Used (mg/m3)																
T-101		<3.28E-03	<5.98E-03	<7.33E-03	<3.28E-03	<3.28E-03	<8.68E-03	<4.63E-03	<8.68E-03	<9.07E-03	<5.78E-03	<9.45E-03	<5.98E-03	<7.33E-03	<8.68E-03	<7.33E-03
T-102		<3.30E-03	<6.01E-03	<7.37E-03	<3.30E-03	<3.30E-03	<8.73E-03	<4.66E-03	<8.73E-03	<9.12E-03	<5.81E-03	<9.50E-03	<6.01E-03	<7.37E-03	<8.73E-03	<7.37E-03
T-103		<3.25E-03	<5.92E-03	<7.26E-03	<3.25E-03	<3.25E-03	<8.59E-03	<4.58E-03	<8.59E-03	<8.97E-03	<5.72E-03	<9.35E-03	<5.92E-03	<7.25E-03	<8.59E-03	<7.26E-03
T-104		<3.25E-03	<5.93E-03	<7.27E-03	<3.25E-03	<3.25E-03	<8.61E-03	<4.59E-03	<8.61E-03	<8.99E-03	<5.73E-03	<9.37E-03	<5.93E-03	<7.27E-03	<8.61E-03	<7.27E-03
T-105		<3.32E-03	<6.05E-03	<7.41E-03	<3.32E-03	<3.32E-03	<8.77E-03	<4.68E-03	<8.77E-03	<9.16E-03	<5.85E-03	<9.55E-03	<6.05E-03	<7.41E-03	<8.77E-03	<7.41E-03
T-106		<3.30E-03	<6.01E-03	<7.37E-03	<3.30E-03	<3.30E-03	<8.73E-03	<4.66E-03	<8.73E-03	<9.12E-03	<5.81E-03	<9.50E-03	<6.01E-03	<7.37E-03	<8.73E-03	<7.37E-03
T-107		<3.30E-03	<6.01E-03	<7.37E-03	<3.30E-03	<3.30E-03	<8.73E-03	<4.66E-03	<8.73E-03	<9.12E-03	<5.81E-03	<9.50E-03	<6.01E-03	<7.37E-03	<8.73E-03	<7.37E-03
T-108		<3.33E-03	<6.07E-03	<7.44E-03	<3.33E-03	<3.33E-03	<8.81E-03	<4.70E-03	<8.81E-03	<9.20E-03	<5.87E-03	<9.58E-03	<6.07E-03	<7.43E-03	<8.81E-03	<7.44E-03
T-109		<3.34E-03	<6.09E-03	<7.46E-03	<3.34E-03	<3.34E-03	<8.84E-03	<4.71E-03	<8.84E-03	<9.23E-03	<5.89E-03	<9.62E-03	<6.09E-03	<7.46E-03	<8.84E-03	<7.46E-03
T-110		<3.31E-03	<6.03E-03	<7.40E-03	<3.31E-03	<3.31E-03	<8.76E-03	<4.67E-03	<8.76E-03	<9.15E-03	<5.83E-03	<9.53E-03	<6.03E-03	<7.39E-03	<8.76E-03	<7.40E-03
T-111		<3.30E-03	<6.02E-03	<7.38E-03	<3.30E-03	<3.30E-03	<8.74E-03	<4.66E-03	<8.74E-03	<9.13E-03	<5.82E-03	<9.52E-03	<6.02E-03	<7.38E-03	<8.74E-03	<7.38E-03
T-112		<3.29E-03	<6.00E-03	<7.36E-03	<3.29E-03	<3.29E-03	<8.71E-03	<4.65E-03	<8.71E-03	<9.10E-03	<5.80E-03	<9.48E-03	<6.00E-03	<7.36E-03	<8.71E-03	<7.36E-03
T-113		<3.29E-03	<6.00E-03	<7.36E-03	<3.29E-03	<3.29E-03	<8.71E-03	<4.65E-03	<8.71E-03	<9.10E-03	<5.80E-03	<9.48E-03	<6.00E-03	<7.36E-03	<8.71E-03	<7.36E-03
T-114		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-201		<3.38E-03	<6.17E-03	<7.56E-03	<3.38E-03	<3.38E-03	<8.95E-03	<4.77E-03	<8.95E-03	<9.35E-03	<5.96E-03	<9.74E-03	<6.17E-03	<7.56E-03	<8.95E-03	<7.56E-03
T-202		<3.44E-03	<6.27E-03	<7.68E-03	<3.44E-03	<3.44E-03	<9.10E-03	<4.85E-03	<9.10E-03	<9.50E-03	<6.06E-03	<9.90E-03	<6.27E-03	<7.68E-03	<9.10E-03	<7.68E-03
T-203		<3.41E-03	<6.22E-03	<7.63E-03	<3.41E-03	<3.41E-03	<9.03E-03	<4.82E-03	<9.03E-03	<9.43E-03	<6.02E-03	<9.83E-03	<6.22E-03	<7.62E-03	<9.03E-03	<7.63E-03
T-204		0.0395	<6.21E-03	<7.61E-03	0.0395	<3.41E-03	<9.01E-03	<4.81E-03	<9.01E-03	<9.41E-03	<6.01E-03	<9.81E-03	<6.21E-03	<7.61E-03	<9.01E-03	<7.61E-03
T-205		0.0120	<6.08E-03	<7.45E-03	0.0120	<3.33E-03	<8.82E-03	<4.71E-03	<8.82E-03	<9.21E-03	<5.88E-03	<9.60E-03	<6.08E-03	<7.45E-03	<8.82E-03	<7.45E-03
T-206		0.0348	<6.10E-03	<7.48E-03	0.0348	<3.35E-03	<8.85E-03	<4.72E-03	<8.85E-03	<9.25E-03	<5.90E-03	<9.64E-03	<6.10E-03	<7.47E-03	<8.85E-03	<7.48E-03
T-207		<3.33E-03	<6.08E-03	<7.45E-03	<3.33E-03	<3.33E-03	<8.82E-03	<4.71E-03	<8.82E-03	<9.21E-03	<5.88E-03	<9.60E-03	<6.08E-03	<7.45E-03	<8.82E-03	<7.45E-03
T-208		<3.34E-03	<6.09E-03	<7.46E-03	<3.34E-03	<3.34E-03	<8.84E-03	<4.71E-03	<8.84E-03	<9.23E-03	<5.89E-03	<9.62E-03	<6.09E-03	<7.46E-03	<8.84E-03	<7.46E-03
T-209		<3.33E-03	<6.07E-03	<7.44E-03	<3.33E-03	<3.33E-03	<8.81E-03	<4.70E-03	<8.81E-03	<9.20E-03	<5.87E-03	<9.58E-03	<6.07E-03	<7.43E-03	<8.81E-03	<7.44E-03
T-210		<3.35E-03	<6.10E-03	<7.48E-03	<3.35E-03	<3.35E-03	<8.85E-03	<4.72E-03	<8.85E-03	<9.25E-03	<5.90E-03	<9.64E-03	<6.10E-03	<7.47E-03	<8.85E-03	<7.48E-03
T-211		<3.33E-03	<6.07E-03	<7.44E-03	<3.33E-03	<3.33E-03	<8.81E-03	<4.70E-03	<8.81E-03	<9.20E-03	<5.87E-03	<9.58E-03	<6.07E-03	<7.43E-03	<8.81E-03	<7.44E-03
T-212		0.0174	<6.09E-03	<7.46E-03	0.0174	<3.34E-03	<8.84E-03	<4.71E-03	<8.84E-03	<9.23E-03	<5.89E-03	<9.62E-03	<6.09E-03	<7.46E-03	<8.84E-03	<7.46E-03
T-213		0.0134	<6.09E-03	<7.46E-03	0.0134	<3.34E-03	<8.84E-03	<4.71E-03	<8.84E-03	<9.23E-03	<5.89E-03	<9.62E-03	<6.09E-03	<7.46E-03	<8.84E-03	<7.46E-03
T-214		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-301		<3.52E-03	<6.42E-03	<7.87E-03	<3.52E-03	<3.52E-03	<9.32E-03	<4.97E-03	<9.32E-03	<9.73E-03	<6.21E-03	<1.01E-02	<6.42E-03	<7.87E-03	<9.32E-03	<7.87E-03
T-302		<3.54E-03	<6.45E-03	<7.90E-03	<3.54E-03	<3.54E-03	<9.36E-03	<4.99E-03	<9.36E-03	<9.77E-03	<6.23E-03	<1.02E-02	<6.45E-03	<7.90E-03	<9.36E-03	<7.90E-03
T-303		<3.51E-03	<6.40E-03	<7.84E-03	<3.51E-03	<3.51E-03	<9.28E-03	<4.95E-03	<9.28E-03	<9.70E-03	<6.19E-03	<1.01E-02	<6.40E-03	<7.84E-03	<9.28E-03	<7.84E-03
T-304		<3.50E-03	<6.38E-03	<7.83E-03	<3.50E-03	<3.50E-03	<9.27E-03	<4.94E-03	<9.27E-03	<9.68E-03	<6.17E-03	<1.01E-02	<6.38E-03	<7.82E-03	<9.27E-03	<7.83E-03
T-305		<3.50E-03	<6.37E-03	<7.81E-03	<3.50E-03	<3.50E-03	<9.25E-03	<4.93E-03	<9.25E-03	<9.66E-03	<6.16E-03	<1.01E-02	<6.37E-03	<7.81E-03	<9.25E-03	<7.81E-03
T-306		<3.49E-03	<6.36E-03	<7.80E-03	<3.49E-03	<3.49E-03	<9.23E-03	<4.93E-03	<9.23E-03	<9.64E-03	<6.15E-03	<1.00E-02	<6.36E-03	<7.79E-03	<9.23E-03	<7.80E-03
T-307		<3.48E-03	<6.34E-03	<7.77E-03	<3.48E-03	<3.48E-03	<9.20E-03	<4.91E-03	<9.20E-03	<9.61E-03	<6.13E-03	<1.00E-02	<6.34E-03	<7.77E-03	<9.20E-03	<7.77E-03
T-308		<3.48E-03	<6.35E-03	<7.78E-03	<3.48E-03	<3.48E-03	<9.22E-03	<4.92E-03	<9.22E-03	<9.62E-03	<6.14E-03	<1.00E-02	<6.35E-03	<7.78E-03	<9.22E-03	<7.78E-03
T-309		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-310		<3.54E-03	<6.45E-03	<7.90E-03	<3.54E-03	<3.54E-03	<9.36E-03	<4.99E-03	<9.36E-03	<9.77E-03	<6.23E-03	<1.02E-02	<6.45E-03	<7.90E-03	<9.36E-03	<7.90E-03
T-311		<3.51E-03	<6.40E-03	<7.84E-03	<3.51E-03	<3.51E-03	<9.28E-03	<4.95E-03	<9.28E-03	<9.70E-03	<6.19E-03	<1.01E-02	<6.40E-03	<7.84E-03	<9.28E-03	<7.84E-03
T-312		0.0834	0.0431	0.0528	<3.48E-03	0.0083	0.0736	<4.91E-03	<9.20E-03	<9.61E-03	<6.13E-03	<1.00E-02	<6.34E-03	<7.77E-03	<9.20E-03	<7.77E-03
T-313		0.1057	0.0406	0.0559	<3.48E-03	0.0292	0.0773	<4.91E-03	<9.20E-03	<9.61E-03	<6.13E-03	<1.00E-02	<6.34E-03	<7.77E-03	<9.20E-03	<7.77E-03
T-314		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-401		<3.58E-03	<6.52E-03	<7.99E-03	<3.58E-03	<3.58E-03	<9.46E-03	<5.05E-03	<9.46E-03	<9.88E-03	<6.30E-03	<1.03E-02	<6.52E-03	<7.99E-03	<9.46E-03	<7.99E-03
T-402		0.0586	<6.52E-03	<7.99E-03	0.0586	<3.58E-03	<9.46E-03	<5.05E-03	<9.46E-03	<9.88E-03	<6.30E-03	<1.03E-02	<6.52E-03	<7.99E-03	<9.46E-03	<7.99E-03
T-403		<3.63E-03	<6.62E-03	<8.12E-03	<3.63E-03	<3.63E-03	<9.61E-03	<5.13E-03	<9.61E-03	<1.00E-02	<6.40E-03	<1.05E-02	<6.62E-03	<8.11E-03	<9.61E-03	<8.12E-03
T-404		0.0229	<6.53E-03	<8.01E-03	0.0229	<3.58E-03	<9.48E-03	<5.06E-03	<9.48E-03	<9.90E-03	<6.32E-03	<1.03E-02	<6.53E-03	<8.00E-03	<9.48E-03	<8.01E-03
T-405		<3.50E-03	<6.37E-03	<7.81E-03	<3.50E-03	<3.50E-03	<9.25E-03	<4.93E-03	<9.25E-03	<9.66E-03	<6.16E-03	<1.01E-02	<6.37E-03	<7.81E-03	<9.25E-03	<7.81E-03
T-406		<3.43E-03	<6.24E-03	<7.65E-03	<3.43E-03	<3.43E-03	<9.06E-03	<4.84E-03	<9.06E-03	<9.47E-03	<6.04E-03	<9.87E-03	<6.24E-03	<7.65E-03	<9.06E-03	<7.65E-03
T-407		<3.38E-03	<6.17E-03	<7.56E-03	<3.38E-03	<3.38E-03	<8.95E-03	<4.77E-03	<8.95E-03	<9.35E-03	<5.96E-03	<9.74E-03	<6.17E-03	<7.56E-03	<8.95E-03	<7.56E-03
T-408		<3.48E-03	<6.35E-03	<7.78E-03	<3.48E-03	<3.48E-03	<9.22E-03	<4.92E-03	<9.22E-03	<9.62E-03	<6.14E-03	<1.00E-02	<6.35E-03	<7.78E-03	<9.22E-03	<7.78E-03
T-409		<3.37E-03	<6.14E-03	<7.53E-03	<3.37E-03	<3.37E-03	<8.92E-03	<4.76E-03	<8.92E-03	<9.31E-03	<5.94E-03	<9.70E-03	<6.14E-03	<7.53E-03	<8.92E-03	<7.53E-03
T-410		<3.43E-03	<6.24E-03	<7.65E-03	<3.43E-03	<3.43E-03	<9.06E-03	<4.84E-03	<9.06E-03	<9.47E-03	<6.04E-03	<9.87E-03	<6.24E-03	<7.65E-03	<9.06E-03	<7.65E-03
T-411		0.2057	0.3750	<7.46E-03	<3.34E-03	<3.34E-03	<8.84E-03	<4.71E-03	<8.84E-03	<9.23E-03	<5.89E-03	<9.62E-03	<6.09E-03	<7.46E-03	<8.84E-03	<7.46E-03
T-412		0.9561	0.4414	0.3799	0.0816	0.1578	0.3563	0.1306	0.0828	0.0789	0.0719	0.0509	<6.20E-03	<7.60E-03	<9.00E-03	<7.60E-03
T-413		1.0472	0.4786	0.4316	0.0898	0.1795	0.3923	0.1555	0.0936	0.0789	0.0168	<9.79E-03	<6.20E-03	<7.60E-03	<9.00E-03	<7.60E-03
T-414		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-501		<3.66E-03	<6.67E-03	<8.18E-03	<3.66E-03	<3.66E-03	<9.68E-03	<5.17E-03	<9.68E-03	<1.01E-02	<6.45E-03	<1.05E-02	<6.67E-03	<8.18E-03	<9.68E-03	<8.18E-03
T-502		0.0087	<6.59E-03	<8.08E-03	0.0087	<3.62E-03	<9.57E-03	<5.11E-03	<9.57E-03	<1.00E-02	<6.38E-03	<1.04E-02	<6.59E-03	<8.08E-03	<9.57E-03	<8.08E-03
T-503		<3.64E-03	<6.63E-03	<8.13E-03	<3.64E-03	<3.64E-03	<9.63E-03	<5.14E-03	<9.63E-03	<1.01E-02	<6.41E-03	<1.05E-02	<6.63E-03	<8.13E-03	<9.63E-03	<8.13E-03
T-504		0.0159	<6.59E-03	<8.08E-03	0.0159	<3.62E-03	<9.57E-03	<5.11E-03	<9.57E-03	<1.00E-02	<6.38E-03	<1.04E-02	<6.59E-03	<8.08E-03	<9.57E-03	<8.08E-03
T-505		0.0071	<6.43E-03	<7.89E-03	0.0071	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03
T-506		0.0113	<6.45E-03	<7.90E-03	0.0113	<3.54E-03	<9.36E-03	<4.99E-03	<9.36E-03	<9.77E-03	<6.23E-03	<1.02E-02	<6.45E-03	<7.90E-03	<9.36E-03	<7.90E-03
T-507		<3.56E-03	<6.49E-03	<7.96E-03	<3.56E-03	<3.56E-03	<9.43E-03	<5.03E-03	<9.43E-03	<9.84E-03	<6.28E-03	<1.03E-02	<6.49E-03	<7.96E-03	<9.43E-03	<7.96E-03
T-508		<3.55E-03	<6.47E-03	<7.93E-03	<3.55E-03	<3.55E-03	<9.39E-03	<5.01E-03	<9.39E-03	<9.81E-03	<6.26E-03	<1.02E-02	<6.47E-03	<7.93E-03	<9.39E-03	<7.93E-03
T-509		<3.50E-03	<6.38E-03	<7.83E-03	<3.50E-03	<3.50E-03	<9.27E-03	<4.94E-03	<9.27E-03	<9.68E-03	<6.17E-03	<1.01E-02	<6.38E-03	<7.82E-03	<9.27E-03	<7.83E-03
T-510		<3.51E-03	<6.40E-03	<7.84E-03	<3.51E-03	<3.51E-03	<9.28E-03	<4.95E-03	<9.28E-03	<9.70E-03	<6.19E-03	<1.01E-02	<6.40E-03	<7.84E-03	<9.28E-03	<7.84E-03
T-511		<3.46E-03	<6.30E-03	<7.72E-03	<3.46E-03	<3.46E-03	<9.15E-03	<4.88E-03	<9.15E-03	<9.55E-03	<6.09E-03	<9.96E-03	<6.30E-03	<7.72E-03	<9.15E-03	<7.72E-03
T-512		<3.47E-03	<6.33E-03	<7.75E-03	<3.47E-03	<3.47E-03	<9.18E-03	<4.90E-03	<9.18E-03	<9.59E-03	<6.12E-03	<9.99E-03	<6.33E-03	<7.75E-03	<9.18E-03	<7.75E-03
T-513		<3.47E-03	<6.33E-03	<7.75E-03	<3.47E-03	<3.47E-03	<9.18E-03	<4.90E-03	<9.18E-03	<9.59E-03	<6.12E-03	<9.99E-03	<6.33E-03	<7.75E-03	<9.18E-03	<7.75E-03
T-514		<3.53E-03	<6.43E-03	<7.89E-03	<3.53E-03	<3.53E-03	<9.34E-03	<4.98E-03	<9.34E-03	<9.75E-03	<6.22E-03	<1.02E-02	<6.43E-03	<7.88E-03	<9.34E-03	<7.89E-03

Sample ID	Compound	Total Reduced Sulfurs	Dimethyl Sulfide	Isopropyl Mercaptan	Hydrogen Sulfide	Total Unidentified Sulfur	sec-Butyl Mercaptan / Thiophene	Methyl Mercaptan	iso-Butyl Mercaptan	Dimethyl Disulfide	COS / SO2	2-Methylthiophene	Ethyl Mercaptan	Carbon Disulfide	tert-Butyl Mercaptan	n-Propyl Mercaptan
CAS		7783-06-4	75-18-3	75-33-2	7783-06-4	7783-06-4	513-53-1	74-93-1	513-44-0	624-92-0	463-58-1	554-14-3	75-08-1	75-15-0	75-66-1	107-03-9
MW		34.08	62.134	76.16	34.08	34.08	90.186	48.11	90.186	94.19	60.08	98.16	62.134	76.14	90.186	76.16
Flux (mg/m2-min)																
T-101		<1.87E-04	<3.42E-04	<4.19E-04	<1.87E-04	<1.87E-04	<4.96E-04	<2.64E-04	<4.96E-04	<5.18E-04	<3.30E-04	<5.40E-04	<3.42E-04	<4.19E-04	<4.96E-04	<4.19E-04
T-102		<1.41E-04	<2.56E-04	<3.14E-04	<1.41E-04	<1.41E-04	<3.72E-04	<1.99E-04	<3.72E-04	<3.89E-04	<2.48E-04	<4.05E-04	<2.56E-04	<3.14E-04	<3.72E-04	<3.14E-04
T-103		<3.78E-04	<6.90E-04	<8.45E-04	<3.78E-04	<3.78E-04	<1.00E-03	<5.34E-04	<1.00E-03	<1.05E-03	<6.67E-04	<1.09E-03	<6.90E-04	<8.45E-04	<1.00E-03	<8.45E-04
T-104		<4.07E-04	<7.43E-04	<9.10E-04	<4.07E-04	<4.07E-04	<1.08E-03	<5.75E-04	<1.08E-03	<1.13E-03	<7.18E-04	<1.17E-03	<7.43E-04	<9.10E-04	<1.08E-03	<9.10E-04
T-105		<1.28E-04	<2.33E-04	<2.85E-04	<1.28E-04	<1.28E-04	<3.37E-04	<1.80E-04	<3.37E-04	<3.52E-04	<2.25E-04	<3.67E-04	<2.33E-04	<2.85E-04	<3.37E-04	<2.85E-04
T-106		<1.50E-04	<2.74E-04	<3.35E-04	<1.50E-04	<1.50E-04	<3.97E-04	<2.12E-04	<3.97E-04	<4.15E-04	<2.65E-04	<4.32E-04	<2.74E-04	<3.35E-04	<3.97E-04	<3.35E-04
T-107		<3.51E-04	<6.40E-04	<7.84E-04	<3.51E-04	<3.51E-04	<9.28E-04	<4.95E-04	<9.28E-04	<9.70E-04	<6.19E-04	<1.01E-03	<6.40E-04	<7.84E-04	<9.28E-04	<7.84E-04
T-108		<5.70E-04	<1.04E-03	<1.27E-03	<5.70E-04	<5.70E-04	<1.51E-03	<8.04E-04	<1.51E-03	<1.57E-03	<1.00E-03	<1.64E-03	<1.04E-03	<1.27E-03	<1.51E-03	<1.27E-03
T-109		<1.47E-04	<2.67E-04	<3.27E-04	<1.47E-04	<1.47E-04	<3.88E-04	<2.07E-04	<3.88E-04	<4.05E-04	<2.58E-04	<4.22E-04	<2.67E-04	<3.27E-04	<3.88E-04	<3.27E-04
T-110		<1.27E-04	<2.32E-04	<2.84E-04	<1.27E-04	<1.27E-04	<3.37E-04	<1.80E-04	<3.37E-04	<3.52E-04	<2.24E-04	<3.67E-04	<2.32E-04	<2.84E-04	<3.37E-04	<2.84E-04
T-111		<5.61E-04	<1.02E-03	<1.25E-03	<5.61E-04	<5.61E-04	<1.48E-03	<7.92E-04	<1.48E-03	<1.55E-03	<9.89E-04	<1.62E-03	<1.02E-03	<1.25E-03	<1.48E-03	<1.25E-03
T-112		<3.02E-04	<5.51E-04	<6.76E-04	<3.02E-04	<3.02E-04	<8.00E-04	<4.27E-04	<8.00E-04	<8.36E-04	<5.33E-04	<8.71E-04	<5.51E-04	<6.76E-04	<8.00E-04	<6.76E-04
T-113		<2.72E-04	<4.96E-04	<6.08E-04	<2.72E-04	<2.72E-04	<7.20E-04	<3.84E-04	<7.20E-04	<7.52E-04	<4.80E-04	<7.83E-04	<4.96E-04	<6.08E-04	<7.20E-04	<6.08E-04
T-114		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.59E-04	<1.92E-04	<3.59E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.03E-04
T-201		<2.05E-04	<3.74E-04	<4.58E-04	<2.05E-04	<2.05E-04	<5.43E-04	<2.90E-04	<5.43E-04	<5.67E-04	<3.62E-04	<5.91E-04	<3.74E-04	<4.58E-04	<5.43E-04	<4.58E-04
T-202		<2.60E-04	<4.74E-04	<5.81E-04	<2.60E-04	<2.60E-04	<6.87E-04	<3.67E-04	<6.87E-04	<7.18E-04	<4.58E-04	<7.48E-04	<4.74E-04	<5.80E-04	<6.87E-04	<5.81E-04
T-203		<1.63E-04	<2.96E-04	<3.63E-04	<1.63E-04	<1.63E-04	<4.30E-04	<2.29E-04	<4.30E-04	<4.49E-04	<2.87E-04	<4.68E-04	<2.96E-04	<3.63E-04	<4.30E-04	<3.63E-04
T-204		0.00233	<3.66E-04	<4.49E-04	0.00233	<2.01E-04	<5.31E-04	<2.84E-04	<5.31E-04	<5.55E-04	<3.54E-04	<5.78E-04	<3.66E-04	<4.49E-04	<5.31E-04	<4.49E-04
T-205		0.00046	<2.35E-04	<2.88E-04	0.00046	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.88E-04
T-206		0.00134	<2.35E-04	<2.88E-04	0.00134	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.88E-04
T-207		<1.28E-04	<2.34E-04	<2.87E-04	<1.28E-04	<1.28E-04	<3.39E-04	<1.81E-04	<3.39E-04	<3.54E-04	<2.26E-04	<3.69E-04	<2.34E-04	<2.86E-04	<3.39E-04	<2.87E-04
T-208		<1.28E-04	<2.34E-04	<2.87E-04	<1.28E-04	<1.28E-04	<3.40E-04	<1.81E-04	<3.40E-04	<3.55E-04	<2.26E-04	<3.70E-04	<2.34E-04	<2.87E-04	<3.40E-04	<2.87E-04
T-209		<1.41E-04	<2.58E-04	<3.16E-04	<1.41E-04	<1.41E-04	<3.74E-04	<1.99E-04	<3.74E-04	<3.90E-04	<2.49E-04	<4.07E-04	<2.58E-04	<3.16E-04	<3.74E-04	<3.16E-04
T-210		<1.29E-04	<2.35E-04	<2.88E-04	<1.29E-04	<1.29E-04	<3.40E-04	<1.82E-04	<3.40E-04	<3.56E-04	<2.27E-04	<3.71E-04	<2.35E-04	<2.87E-04	<3.40E-04	<2.88E-04
T-211		<1.28E-04	<2.33E-04	<2.86E-04	<1.28E-04	<1.28E-04	<3.39E-04	<1.81E-04	<3.39E-04	<3.54E-04	<2.26E-04	<3.69E-04	<2.33E-04	<2.86E-04	<3.39E-04	<2.86E-04
T-212		0.00119	<4.18E-04	<5.12E-04	0.00119	<2.29E-04	<6.07E-04	<3.24E-04	<6.07E-04	<6.34E-04	<4.04E-04	<6.60E-04	<4.18E-04	<5.12E-04	<6.07E-04	<5.12E-04
T-213		0.00079	<3.59E-04	<4.40E-04	0.00079	<1.97E-04	<5.21E-04	<2.78E-04	<5.21E-04	<5.45E-04	<3.47E-04	<5.68E-04	<3.59E-04	<4.40E-04	<5.21E-04	<4.40E-04
T-214		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.59E-04	<1.92E-04	<3.59E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.03E-04
T-301		<1.54E-04	<2.80E-04	<3.44E-04	<1.54E-04	<1.54E-04	<4.07E-04	<2.17E-04	<4.07E-04	<4.25E-04	<2.71E-04	<4.43E-04	<2.80E-04	<3.44E-04	<4.07E-04	<3.44E-04
T-302		<2.57E-04	<4.69E-04	<5.75E-04	<2.57E-04	<2.57E-04	<6.80E-04	<3.63E-04	<6.80E-04	<7.11E-04	<4.53E-04	<7.41E-04	<4.69E-04	<5.74E-04	<6.80E-04	<5.75E-04
T-303		<1.60E-04	<2.91E-04	<3.57E-04	<1.60E-04	<1.60E-04	<4.23E-04	<2.26E-04	<4.23E-04	<4.42E-04	<2.82E-04	<4.60E-04	<2.91E-04	<3.57E-04	<4.23E-04	<3.57E-04
T-304		<1.35E-04	<2.46E-04	<3.01E-04	<1.35E-04	<1.35E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.88E-04	<2.46E-04	<3.01E-04	<3.56E-04	<3.01E-04
T-305		<1.34E-04	<2.45E-04	<3.00E-04	<1.34E-04	<1.34E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.87E-04	<2.45E-04	<3.00E-04	<3.56E-04	<3.00E-04
T-306		<1.34E-04	<2.45E-04	<3.00E-04	<1.34E-04	<1.34E-04	<3.55E-04	<1.89E-04	<3.55E-04	<3.71E-04	<2.37E-04	<3.87E-04	<2.45E-04	<3.00E-04	<3.55E-04	<3.00E-04
T-307		<1.34E-04	<2.44E-04	<2.99E-04	<1.34E-04	<1.34E-04	<3.54E-04	<1.89E-04	<3.54E-04	<3.69E-04	<2.36E-04	<3.85E-04	<2.44E-04	<2.99E-04	<3.54E-04	<2.99E-04
T-308		<1.44E-04	<2.63E-04	<3.23E-04	<1.44E-04	<1.44E-04	<3.82E-04	<2.04E-04	<3.82E-04	<3.99E-04	<2.55E-04	<4.16E-04	<2.63E-04	<3.23E-04	<3.82E-04	<3.23E-04
T-309		<3.74E-04	<6.83E-04	<8.37E-04	<3.74E-04	<3.74E-04	<9.91E-04	<5.29E-04	<9.91E-04	<1.03E-03	<6.60E-04	<1.08E-03	<6.83E-04	<8.37E-04	<9.91E-04	<8.37E-04
T-310		<1.93E-04	<3.52E-04	<4.32E-04	<1.93E-04	<1.93E-04	<5.11E-04	<2.73E-04	<5.11E-04	<5.34E-04	<3.41E-04	<5.57E-04	<3.52E-04	<4.32E-04	<5.11E-04	<4.32E-04
T-311		<2.65E-04	<4.83E-04	<5.92E-04	<2.65E-04	<2.65E-04	<7.02E-04	<3.74E-04	<7.02E-04	<7.33E-04	<4.67E-04	<7.64E-04	<4.83E-04	<5.92E-04	<7.02E-04	<5.92E-04
T-312		0.00418	0.00216	0.00265	<1.74E-04	0.00042	0.00369	<2.46E-04	<4.61E-04	<4.81E-04	<3.07E-04	<5.02E-04	<3.18E-04	<3.89E-04	<4.61E-04	<3.89E-04
T-313		0.00452	0.00174	0.00239	<1.49E-04	0.00125	0.00331	<2.10E-04	<3.94E-04	<4.11E-04	<2.62E-04	<4.29E-04	<2.71E-04	<3.32E-04	<3.94E-04	<3.33E-04
T-314		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.59E-04	<1.92E-04	<3.59E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.03E-04
T-401		<1.38E-04	<2.51E-04	<3.07E-04	<1.38E-04	<1.38E-04	<3.64E-04	<1.94E-04	<3.64E-04	<3.80E-04	<2.42E-04	<3.96E-04	<2.51E-04	<3.07E-04	<3.64E-04	<3.07E-04
T-402		0.00301	<3.35E-04	<4.10E-04	0.00301	<1.84E-04	<4.86E-04	<2.59E-04	<4.86E-04	<5.08E-04	<3.24E-04	<5.29E-04	<3.35E-04	<4.10E-04	<4.86E-04	<4.10E-04
T-403		<3.38E-04	<6.17E-04	<7.56E-04	<3.38E-04	<3.38E-04	<8.95E-04	<4.77E-04	<8.95E-04	<9.35E-04	<5.96E-04	<9.74E-04	<6.17E-04	<7.56E-04	<8.95E-04	<7.56E-04
T-404		0.00112	<3.20E-04	<3.92E-04	0.00112	<1.76E-04	<4.65E-04	<2.48E-04	<4.65E-04	<4.85E-04	<3.10E-04	<5.06E-04	<3.20E-04	<3.92E-04	<4.65E-04	<3.92E-04
T-405		<1.73E-04	<3.16E-04	<3.88E-04	<1.73E-04	<1.73E-04	<4.59E-04	<2.45E-04	<4.59E-04	<4.79E-04	<3.06E-04	<4.99E-04	<3.16E-04	<3.87E-04	<4.59E-04	<3.88E-04
T-406		<1.75E-04	<3.20E-04	<3.92E-04	<1.75E-04	<1.75E-04	<4.64E-04	<2.47E-04	<4.64E-04	<4.84E-04	<3.09E-04	<5.05E-04	<3.20E-04	<3.92E-04	<4.64E-04	<3.92E-04
T-407		<2.71E-04	<4.93E-04	<6.05E-04	<2.71E-04	<2.71E-04	<7.16E-04	<3.82E-04	<7.16E-04	<7.48E-04	<4.77E-04	<7.79E-04	<4.93E-04	<6.05E-04	<7.16E-04	<6.05E-04
T-408		<1.34E-04	<2.44E-04	<2.99E-04	<1.34E-04	<1.34E-04	<3.54E-04	<1.89E-04	<3.54E-04	<3.70E-04	<2.36E-04	<3.86E-04	<2.44E-04	<2.99E-04	<3.54E-04	<2.99E-04
T-409		<1.60E-04	<2.91E-04	<3.57E-04	<1.60E-04	<1.60E-04	<4.22E-04	<2.25E-04	<4.22E-04	<4.41E-04	<2.81E-04	<4.60E-04	<2.91E-04	<3.56E-04	<4.22E-04	<3.57E-04
T-410		<1.99E-04	<3.62E-04	<4.44E-04	<1.99E-04	<1.99E-04	<5.26E-04	<2.80E-04	<5.26E-04	<5.49E-04	<3.50E-04	<5.72E-04	<3.62E-04	<4.44E-04	<5.26E-04	<4.44E-04
T-411		0.01563	0.02849	<5.67E-04	<2.54E-04	<2.54E-04	<6.71E-04	<3.58E-04	<6.71E-04	<7.01E-04	<4.47E-04	<7.31E-04	<4.63E-04	<5.67E-04	<6.71E-04	<5.67E-04
T-412		0.03677	0.01698	0.01461	0.00314	0.00607	0.01370	0.00502	0.00318	0.00304	0.00277	0.00196	<2.38E-04	<2.92E-04	<3.46E-04	<2.92E-04
T-413		0.04028	0.01841	0.01660	0.00345	0.00690	0.01509	0.00598	0.00360	0.00304	0.00065	<3.77E-04	<2.38E-04	<2.92E-04	<3.46E-04	<2.92E-04
T-414		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.59E-04	<1.92E-04	<3.59E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.03E-04
T-501		<9.31E-04	<1.70E-03	<2.08E-03	<9.31E-04	<9.31E-04	<2.46E-03	<1.31E-03	<2.46E-03	<2.57E-03	<1.64E-03	<2.68E-03	<1.70E-03	<2.08E-03	<2.46E-03	<2.08E-03
T-502		0.00065	<4.96E-04	<6.08E-04	0.00065	<2.72E-04	<7.20E-04	<3.84E-04	<7.20E-04	<7.52E-04	<4.80E-04	<7.84E-04	<4.96E-04	<6.08E-04	<7.20E-04	<6.08E-04
T-503		<5.35E-04	<9.75E-04	<1.20E-03	<5.35E-04	<5.35E-04	<1.42E-03	<7.55E-04	<1.42E-03	<1.48E-03	<9.43E-04	<1.54E-03	<9.75E-04	<1.19E-03	<1.42E-03	<1.20E-03
T-504		0.00125	<5.19E-04	<6.36E-04	0.00125	<2.84E-04	<7.53E-04	<4.02E-04	<7.53E-04	<7.86E-04	<5.02E-04	<8.19E-04	<5.19E-04	<6.36E-04	<7.53E-04	<6.36E-04
T-505		0.00038	<3.45E-04	<4.23E-04	0.00038	<1.89E-04	<5.00E-04	<2.67E-04	<5.00E-04	<5.23E-04	<3.33E-04	<5.45E-04	<3.45E-04	<4.23E-04	<5.00E-04	<4.23E-04
T-506		0.00055	<3.11E-04	<3.81E-04	0.00055	<1.70E-04	<4.51E-04	<2.41E-04	<4.51E-04	<4.71E-04	<3.01E-04	<4.91E-04	<3.11E-04	<3.81E-04	<4.51E-04	<3.81E-04
T-507		<1.37E-04	<2.50E-04	<3.06E-04	<1.37E-04	<1.37E-04	<3.63E-04	<1.93E-04	<3.63E-04	<3.79E-04	<2.42E-04	<3.95E-04	<2.50E-04	<3.06E-04	<3.63E-04	<3.06E-04
T-508		<1.88E-04	<3.43E-04	<4.20E-04	<1.88E-04	<1.88E-04	<4.98E-04	<2.65E-04	<4.98E-04	<5.20E-04	<3.32E-04	<5.42E-04	<3.43E-04	<4.20E-04	<4.98E-04	<4.20E-04
T-509		<1.35E-04	<2.46E-04	<3.01E-04	<1.35E-04	<1.35E-04	<3.56E-04	<1.90E-04	<3.56E-04	<3.72E-04	<2.37E-04	<3.88E-04	<2.46E-04	<3.01E-04	<3.56E-04	<3.01E-04
T-510		<1.62E-04	<2.96E-04	<3.63E-04	<1.62E-04	<1.62E-04	<4.29E-04	<2.29E-04	<4.29E-04	<4.48E-04	<2.86E-04	<4.67E-04	<2.96E-04	<3.62E-04	<4.29E-04	<3.63E-04
T-511		<1.35E-04	<2.47E-04	<3.03E-04	<1.35E-04	<1.35E-04	<3.58E-04	<1.91E-04	<3.58E-04	<3.74E-04	<2.39E-04	<3.90E-04	<2.47E-04	<3.03E-04	<3.58E-04	<3.03E-04
T-512		<4.19E-04	<7.64E-04	<9.37E-04	<4.19E-04	<4.19E-04	<1.11E-03	<5.92E-04	<1.11E-03	<1.16E-03	<7.39E-04	<1.21E-03	<7.64E-04	<9.36E-04	<1.11E-03	<9.37E-04
T-513		<3.96E-04	<7.23E-04	<8.86E-04	<3.96E-04	<3.96E-04	<1.05E-03	<5.60E-04	<1.05E-03	<1.10E-03	<6.99E-04	<1.14E-03	<7.23E-04	<8.86E-04	<1.05E-03	<8.86E-04
T-514		<1.36E-04	<2.47E-04	<3.03E-04	<1.36E-04	<1.36E-04	<3.59E-04	<1.92E-04	<3.59E-04	<3.75E-04	<2.39E-04	<3.91E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.03E-04

Table 5. SCAQMD Method 307-91 ORS Data | Data shaded in magenta had no detects for this test event |

Sample ID / Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	3-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide
CAS	624-89-5	352-93-2	109-79-5	616-44-4	110-01-0	1003-09-4	108-98-5	110-81-6
MW	76.16	90.19	90.186	98.17	88.17	163.04	110.18	122.252
Lab Data (ppbv)								
S- 101 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 102 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 103 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 104 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 105 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 106 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 107 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 108 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 109 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 110 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 111 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 112 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 113 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 114 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 201 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 202 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 203 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 204 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 205 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 206 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 207 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 208 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 209 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 210 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 211 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 212 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 213 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 214 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 301 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 302 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 303 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 304 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 305 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 306 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 307 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 308 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 309 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 310 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 311 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 312 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 313 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 314 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 401 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 402 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 403 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 404 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 405 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 406 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 407 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 408 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 409 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 410 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 411 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 412 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 413 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 414 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 501 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 502 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 503 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 504 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 505 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 506 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 507 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 508 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 509 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 510 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 511 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 512 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 513 a	ND	ND	ND	ND	ND	ND	ND	ND
S- 514 a	ND	ND	ND	ND	ND	ND	ND	ND

Table 5. SCAQMD Method 307-91 ORS Data | Data shaded in magenta had no detects for this test event |

Sample ID / Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	3-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide
CAS	624-89-5	352-93-2	109-79-5	616-44-4	110-01-0	1003-09-4	108-98-5	110-81-6
MW	76.16	90.19	90.186	98.17	88.17	163.04	110.18	122.252
MDL (ppmv)								
S- 101 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 102 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 103 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 104 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 105 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 106 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 107 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 108 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 109 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 110 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 111 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 112 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 113 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 114 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 201 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 202 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 203 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 204 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 205 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 206 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 207 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 208 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 209 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 210 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 211 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 212 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 213 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 214 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 301 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 302 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 303 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 304 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 305 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 306 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 307 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 308 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 309 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 310 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 311 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 312 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 313 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 314 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 401 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 402 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 403 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 404 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 405 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 406 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 407 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 408 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 409 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 410 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 411 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 412 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 413 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 414 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 501 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 502 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 503 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 504 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 505 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 506 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 507 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 508 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 509 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 510 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 511 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 512 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 513 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S- 514 a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

Table 5. SCAQMD Method 307-91 ORS Data | Data shaded in magenta had no detects for this test event |

Sample ID / Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	3-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide
CAS	624-89-5	352-93-2	109-79-5	616-44-4	110-01-0	1003-09-4	108-98-5	110-81-6
MW	76.16	90.19	90.186	98.17	88.17	163.04	110.18	122.252
Data Used (mg/m3)								
T-101	<7.33E-03	<8.68E-03	<8.68E-03	<9.45E-03	<8.49E-03	<1.57E-02	<1.06E-02	<1.18E-02
T-102	<7.37E-03	<8.73E-03	<8.73E-03	<9.50E-03	<8.53E-03	<1.58E-02	<1.07E-02	<1.18E-02
T-103	<7.26E-03	<8.59E-03	<8.59E-03	<9.35E-03	<8.40E-03	<1.55E-02	<1.05E-02	<1.16E-02
T-104	<7.27E-03	<8.61E-03	<8.61E-03	<9.37E-03	<8.41E-03	<1.56E-02	<1.05E-02	<1.17E-02
T-105	<7.41E-03	<8.77E-03	<8.77E-03	<9.55E-03	<8.58E-03	<1.59E-02	<1.07E-02	<1.19E-02
T-106	<7.37E-03	<8.73E-03	<8.73E-03	<9.50E-03	<8.53E-03	<1.58E-02	<1.07E-02	<1.18E-02
T-107	<7.37E-03	<8.73E-03	<8.73E-03	<9.50E-03	<8.53E-03	<1.58E-02	<1.07E-02	<1.18E-02
T-108	<7.44E-03	<8.81E-03	<8.81E-03	<9.59E-03	<8.61E-03	<1.59E-02	<1.08E-02	<1.19E-02
T-109	<7.46E-03	<8.84E-03	<8.84E-03	<9.62E-03	<8.64E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-110	<7.40E-03	<8.76E-03	<8.76E-03	<9.53E-03	<8.56E-03	<1.58E-02	<1.07E-02	<1.19E-02
T-111	<7.38E-03	<8.74E-03	<8.74E-03	<9.52E-03	<8.55E-03	<1.58E-02	<1.07E-02	<1.19E-02
T-112	<7.36E-03	<8.71E-03	<8.71E-03	<9.48E-03	<8.52E-03	<1.58E-02	<1.06E-02	<1.18E-02
T-113	<7.36E-03	<8.71E-03	<8.71E-03	<9.48E-03	<8.52E-03	<1.58E-02	<1.06E-02	<1.18E-02
T-114	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-201	<7.56E-03	<8.95E-03	<8.95E-03	<9.74E-03	<8.75E-03	<1.62E-02	<1.09E-02	<1.21E-02
T-202	<7.68E-03	<9.10E-03	<9.10E-03	<9.90E-03	<8.89E-03	<1.64E-02	<1.11E-02	<1.23E-02
T-203	<7.63E-03	<9.03E-03	<9.03E-03	<9.83E-03	<8.83E-03	<1.63E-02	<1.10E-02	<1.22E-02
T-204	<7.61E-03	<9.01E-03	<9.01E-03	<9.81E-03	<8.81E-03	<1.63E-02	<1.10E-02	<1.22E-02
T-205	<7.45E-03	<8.82E-03	<8.82E-03	<9.60E-03	<8.62E-03	<1.59E-02	<1.08E-02	<1.20E-02
T-206	<7.48E-03	<8.85E-03	<8.85E-03	<9.64E-03	<8.65E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-207	<7.45E-03	<8.82E-03	<8.82E-03	<9.60E-03	<8.62E-03	<1.59E-02	<1.08E-02	<1.20E-02
T-208	<7.46E-03	<8.84E-03	<8.84E-03	<9.62E-03	<8.64E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-209	<7.44E-03	<8.81E-03	<8.81E-03	<9.59E-03	<8.61E-03	<1.59E-02	<1.08E-02	<1.19E-02
T-210	<7.48E-03	<8.85E-03	<8.85E-03	<9.64E-03	<8.65E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-211	<7.44E-03	<8.81E-03	<8.81E-03	<9.59E-03	<8.61E-03	<1.59E-02	<1.08E-02	<1.19E-02
T-212	<7.46E-03	<8.84E-03	<8.84E-03	<9.62E-03	<8.64E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-213	<7.46E-03	<8.84E-03	<8.84E-03	<9.62E-03	<8.64E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-214	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-301	<7.87E-03	<9.32E-03	<9.32E-03	<1.01E-02	<9.11E-03	<1.68E-02	<1.14E-02	<1.26E-02
T-302	<7.90E-03	<9.36E-03	<9.36E-03	<1.02E-02	<9.15E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-303	<7.84E-03	<9.29E-03	<9.28E-03	<1.01E-02	<9.08E-03	<1.68E-02	<1.13E-02	<1.26E-02
T-304	<7.83E-03	<9.27E-03	<9.27E-03	<1.01E-02	<9.06E-03	<1.68E-02	<1.13E-02	<1.26E-02
T-305	<7.81E-03	<9.25E-03	<9.25E-03	<1.01E-02	<9.04E-03	<1.67E-02	<1.13E-02	<1.25E-02
T-306	<7.80E-03	<9.23E-03	<9.23E-03	<1.01E-02	<9.03E-03	<1.67E-02	<1.13E-02	<1.25E-02
T-307	<7.77E-03	<9.20E-03	<9.20E-03	<1.00E-02	<8.99E-03	<1.66E-02	<1.12E-02	<1.25E-02
T-308	<7.78E-03	<9.22E-03	<9.22E-03	<1.00E-02	<9.01E-03	<1.67E-02	<1.13E-02	<1.25E-02
T-309	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-310	<7.90E-03	<9.36E-03	<9.36E-03	<1.02E-02	<9.15E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-311	<7.84E-03	<9.29E-03	<9.28E-03	<1.01E-02	<9.08E-03	<1.68E-02	<1.13E-02	<1.26E-02
T-312	<7.77E-03	<9.20E-03	<9.20E-03	<1.00E-02	<8.99E-03	<1.66E-02	<1.12E-02	<1.25E-02
T-313	<7.77E-03	<9.20E-03	<9.20E-03	<1.00E-02	<8.99E-03	<1.66E-02	<1.12E-02	<1.25E-02
T-314	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-401	<7.99E-03	<9.46E-03	<9.46E-03	<1.03E-02	<9.25E-03	<1.71E-02	<1.16E-02	<1.28E-02
T-402	<7.99E-03	<9.46E-03	<9.46E-03	<1.03E-02	<9.25E-03	<1.71E-02	<1.16E-02	<1.28E-02
T-403	<8.12E-03	<9.61E-03	<9.61E-03	<1.05E-02	<9.39E-03	<1.74E-02	<1.17E-02	<1.30E-02
T-404	<8.01E-03	<9.48E-03	<9.48E-03	<1.03E-02	<9.27E-03	<1.71E-02	<1.16E-02	<1.29E-02
T-405	<7.81E-03	<9.25E-03	<9.25E-03	<1.01E-02	<9.04E-03	<1.67E-02	<1.13E-02	<1.25E-02
T-406	<7.65E-03	<9.06E-03	<9.06E-03	<9.87E-03	<8.86E-03	<1.64E-02	<1.11E-02	<1.23E-02
T-407	<7.56E-03	<8.95E-03	<8.95E-03	<9.74E-03	<8.75E-03	<1.62E-02	<1.09E-02	<1.21E-02
T-408	<7.78E-03	<9.22E-03	<9.22E-03	<1.00E-02	<9.01E-03	<1.67E-02	<1.13E-02	<1.25E-02
T-409	<7.53E-03	<8.92E-03	<8.92E-03	<9.71E-03	<8.72E-03	<1.61E-02	<1.09E-02	<1.21E-02
T-410	<7.65E-03	<9.06E-03	<9.06E-03	<9.87E-03	<8.86E-03	<1.64E-02	<1.11E-02	<1.23E-02
T-411	<7.46E-03	<8.84E-03	<8.84E-03	<9.62E-03	<8.64E-03	<1.60E-02	<1.08E-02	<1.20E-02
T-412	<7.60E-03	<9.00E-03	<9.00E-03	<9.79E-03	<8.80E-03	<1.63E-02	<1.10E-02	<1.22E-02
T-413	<7.60E-03	<9.00E-03	<9.00E-03	<9.79E-03	<8.80E-03	<1.63E-02	<1.10E-02	<1.22E-02
T-414	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-501	<8.18E-03	<9.69E-03	<9.68E-03	<1.05E-02	<9.47E-03	<1.75E-02	<1.18E-02	<1.31E-02
T-502	<8.08E-03	<9.57E-03	<9.57E-03	<1.04E-02	<9.36E-03	<1.73E-02	<1.17E-02	<1.30E-02
T-503	<8.13E-03	<9.63E-03	<9.63E-03	<1.05E-02	<9.41E-03	<1.74E-02	<1.18E-02	<1.31E-02
T-504	<8.08E-03	<9.57E-03	<9.57E-03	<1.04E-02	<9.36E-03	<1.73E-02	<1.17E-02	<1.30E-02
T-505	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-506	<7.90E-03	<9.36E-03	<9.36E-03	<1.02E-02	<9.15E-03	<1.69E-02	<1.14E-02	<1.27E-02
T-507	<7.96E-03	<9.43E-03	<9.43E-03	<1.03E-02	<9.22E-03	<1.70E-02	<1.15E-02	<1.28E-02
T-508	<7.93E-03	<9.39E-03	<9.39E-03	<1.02E-02	<9.18E-03	<1.70E-02	<1.15E-02	<1.27E-02
T-509	<7.83E-03	<9.27E-03	<9.27E-03	<1.01E-02	<9.06E-03	<1.68E-02	<1.13E-02	<1.26E-02
T-510	<7.84E-03	<9.29E-03	<9.28E-03	<1.01E-02	<9.08E-03	<1.68E-02	<1.13E-02	<1.26E-02
T-511	<7.72E-03	<9.15E-03	<9.15E-03	<9.96E-03	<8.94E-03	<1.65E-02	<1.12E-02	<1.24E-02
T-512	<7.75E-03	<9.18E-03	<9.18E-03	<9.99E-03	<8.98E-03	<1.66E-02	<1.12E-02	<1.24E-02
T-513	<7.75E-03	<9.18E-03	<9.18E-03	<9.99E-03	<8.98E-03	<1.66E-02	<1.12E-02	<1.24E-02
T-514	<7.89E-03	<9.34E-03	<9.34E-03	<1.02E-02	<9.13E-03	<1.69E-02	<1.14E-02	<1.27E-02

Temp.	0	273.15	0.08205737
oF	oC	oK	RT
110	43.3	316.5	26.0
107	41.7	314.8	25.8
116	46.7	319.8	26.2
115	46.1	319.3	26.2
104	40.0	313.2	25.7
107	41.7	314.8	25.8
107	41.7	314.8	25.8
102	38.9	312.0	25.6
100	37.8	310.9	25.5
105	40.6	313.7	25.7
106	41.1	314.3	25.8
108	42.2	315.4	25.9
108	42.2	315.4	25.9
70	21.1	294.3	24.1
93	33.9	307.0	25.2
84	28.9	302.0	24.8
88	31.1	304.3	25.0
89	31.7	304.8	25.0
101	38.3	311.5	25.6
99	37.2	310.4	25.5
101	38.3	311.5	25.6
100	37.8	310.9	25.5
102	38.9	312.0	25.6
99	37.2	310.4	25.5
102	38.9	312.0	25.6
100	37.8	310.9	25.5
100	37.8	310.9	25.5
70	21.1	294.3	24.1
71	21.7	294.8	24.2
69	20.6	293.7	24.1
73	22.8	295.9	24.3
74	23.3	296.5	24.3
75	23.9	297.0	24.4
76	24.4	297.6	24.4
78	25.6	298.7	24.5
77	25.0	298.2	24.5
70	21.1	294.3	24.1
69	20.6	293.7	24.1
73	22.8	295.9	24.3
78	25.6	298.7	24.5
78	25.6	298.7	24.5
70	21.1	294.3	24.1
63	17.2	290.4	23.8
63	17.2	290.4	23.8
55	12.8	285.9	23.5
62	16.7	289.8	23.8
75	23.9	297.0	24.4
86	30.0	303.2	24.9
93	33.9	307.0	25.2
77	25.0	298.2	24.5
95	35.0	308.2	25.3
86	30.0	303.2	24.9
100	37.8	310.9	25.5
90	32.2	305.4	25.1
90	32.2	305.4	25.1
70	21.1	294.3	24.1
51	10.6	283.7	23.3
57	13.9	287.0	23.6
54	12.2	285.4	23.4
57	13.9	287.0	23.6
70	21.1	294.3	24.1
69	20.6	293.7	24.1
65	18.3	291.5	23.9
67	19.4	292.6	24.0
74	23.3	296.5	24.3
73	22.8	295.9	24.3
81	27.2	300.4	24.6
79	26.1	299.3	24.6
79	26.1	299.3	24.6
70	21.1	294.3	24.1

Sample ID / Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	3-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide	
CAS	624-89-5	352-93-2	109-79-5	616-44-4	110-01-0	1003-09-4	108-98-5	110-81-6	
MW	76.16	90.19	90.186	98.17	88.17	163.04	110.18	122.252	
Flux (mg/m2-min)									Flow (m3/min)
T-101	<4.19E-04	<4.96E-04	<4.96E-04	<5.40E-04	<4.85E-04	<8.96E-04	<6.06E-04	<6.72E-04	0.0074
T-102	<3.14E-04	<3.72E-04	<3.72E-04	<4.05E-04	<3.64E-04	<6.73E-04	<4.55E-04	<5.04E-04	0.0055
T-103	<8.45E-04	<1.00E-03	<1.00E-03	<1.09E-03	<9.79E-04	<1.81E-03	<1.22E-03	<1.36E-03	0.0151
T-104	<9.10E-04	<1.08E-03	<1.08E-03	<1.17E-03	<1.05E-03	<1.95E-03	<1.32E-03	<1.46E-03	0.0163
T-105	<2.85E-04	<3.37E-04	<3.37E-04	<3.67E-04	<3.30E-04	<6.10E-04	<4.12E-04	<4.57E-04	0.0050
T-106	<3.35E-04	<3.97E-04	<3.97E-04	<4.32E-04	<3.88E-04	<7.18E-04	<4.85E-04	<5.38E-04	0.0059
T-107	<7.84E-04	<9.29E-04	<9.28E-04	<1.01E-03	<9.08E-04	<1.68E-03	<1.13E-03	<1.26E-03	0.0138
T-108	<1.27E-03	<1.51E-03	<1.51E-03	<1.64E-03	<1.47E-03	<2.73E-03	<1.84E-03	<2.04E-03	0.0223
T-109	<3.27E-04	<3.88E-04	<3.88E-04	<4.22E-04	<3.79E-04	<7.01E-04	<4.74E-04	<5.26E-04	0.0057
T-110	<2.84E-04	<3.37E-04	<3.37E-04	<3.67E-04	<3.29E-04	<6.09E-04	<4.12E-04	<4.57E-04	0.0050
T-111	<1.25E-03	<1.48E-03	<1.48E-03	<1.62E-03	<1.45E-03	<2.68E-03	<1.81E-03	<2.01E-03	0.0221
T-112	<6.76E-04	<8.00E-04	<8.00E-04	<8.71E-04	<7.83E-04	<1.45E-03	<9.78E-04	<1.08E-03	0.0119
T-113	<6.08E-04	<7.20E-04	<7.20E-04	<7.84E-04	<7.04E-04	<1.30E-03	<8.79E-04	<9.76E-04	0.0107
T-114	<3.03E-04	<3.59E-04	<3.59E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04	0.0050
T-201	<4.58E-04	<5.43E-04	<5.43E-04	<5.91E-04	<5.31E-04	<9.81E-04	<6.63E-04	<7.36E-04	0.0079
T-202	<5.81E-04	<6.88E-04	<6.87E-04	<7.48E-04	<6.72E-04	<1.24E-03	<8.40E-04	<9.32E-04	0.0098
T-203	<3.63E-04	<4.30E-04	<4.30E-04	<4.68E-04	<4.21E-04	<7.78E-04	<5.26E-04	<5.83E-04	0.0062
T-204	<4.49E-04	<5.31E-04	<5.31E-04	<5.79E-04	<5.20E-04	<9.61E-04	<6.49E-04	<7.20E-04	0.0077
T-205	<2.88E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04	0.0050
T-206	<2.88E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04	0.0050
T-207	<2.87E-04	<3.39E-04	<3.39E-04	<3.69E-04	<3.32E-04	<6.13E-04	<4.14E-04	<4.60E-04	0.0050
T-208	<2.87E-04	<3.40E-04	<3.40E-04	<3.70E-04	<3.32E-04	<6.14E-04	<4.15E-04	<4.61E-04	0.0050
T-209	<3.16E-04	<3.74E-04	<3.74E-04	<4.07E-04	<3.66E-04	<6.76E-04	<4.57E-04	<5.07E-04	0.0055
T-210	<2.88E-04	<3.41E-04	<3.40E-04	<3.71E-04	<3.33E-04	<6.16E-04	<4.16E-04	<4.62E-04	0.0050
T-211	<2.86E-04	<3.39E-04	<3.39E-04	<3.69E-04	<3.31E-04	<6.12E-04	<4.14E-04	<4.59E-04	0.0050
T-212	<5.12E-04	<6.07E-04	<6.07E-04	<6.60E-04	<5.93E-04	<1.10E-03	<7.41E-04	<8.22E-04	0.0089
T-213	<4.40E-04	<5.22E-04	<5.21E-04	<5.68E-04	<5.10E-04	<9.43E-04	<6.37E-04	<7.07E-04	0.0077
T-214	<3.03E-04	<3.59E-04	<3.59E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04	0.0050
T-301	<3.44E-04	<4.07E-04	<4.07E-04	<4.43E-04	<3.98E-04	<7.36E-04	<4.97E-04	<5.52E-04	0.0057
T-302	<5.75E-04	<6.80E-04	<6.80E-04	<7.41E-04	<6.65E-04	<1.23E-03	<8.31E-04	<9.22E-04	0.0095
T-303	<3.57E-04	<4.23E-04	<4.23E-04	<4.60E-04	<4.14E-04	<7.65E-04	<5.17E-04	<5.73E-04	0.0059
T-304	<3.01E-04	<3.56E-04	<3.56E-04	<3.88E-04	<3.48E-04	<6.44E-04	<4.35E-04	<4.83E-04	0.0050
T-305	<3.00E-04	<3.56E-04	<3.56E-04	<3.87E-04	<3.48E-04	<6.43E-04	<4.35E-04	<4.82E-04	0.0050
T-306	<3.00E-04	<3.55E-04	<3.55E-04	<3.87E-04	<3.47E-04	<6.42E-04	<4.34E-04	<4.81E-04	0.0050
T-307	<2.99E-04	<3.54E-04	<3.54E-04	<3.85E-04	<3.46E-04	<6.40E-04	<4.32E-04	<4.80E-04	0.0050
T-308	<3.23E-04	<3.82E-04	<3.82E-04	<4.16E-04	<3.74E-04	<6.91E-04	<4.67E-04	<5.18E-04	0.0054
T-309	<8.37E-04	<9.91E-04	<9.91E-04	<1.08E-03	<9.69E-04	<1.79E-03	<1.21E-03	<1.34E-03	0.0138
T-310	<4.32E-04	<5.12E-04	<5.11E-04	<5.57E-04	<5.00E-04	<9.25E-04	<6.25E-04	<6.93E-04	0.0071
T-311	<5.92E-04	<7.02E-04	<7.02E-04	<7.64E-04	<6.86E-04	<1.27E-03	<8.57E-04	<9.51E-04	0.0098
T-312	<3.89E-04	<4.61E-04	<4.61E-04	<5.02E-04	<4.51E-04	<8.33E-04	<5.63E-04	<6.25E-04	0.0065
T-313	<3.33E-04	<3.94E-04	<3.94E-04	<4.29E-04	<3.85E-04	<7.12E-04	<4.81E-04	<5.34E-04	0.0056
T-314	<3.03E-04	<3.59E-04	<3.59E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04	0.0050
T-401	<3.07E-04	<3.64E-04	<3.64E-04	<3.96E-04	<3.56E-04	<6.58E-04	<4.45E-04	<4.93E-04	0.0050
T-402	<4.10E-04	<4.86E-04	<4.86E-04	<5.29E-04	<4.75E-04	<8.79E-04	<5.94E-04	<6.59E-04	0.0067
T-403	<7.56E-04	<8.95E-04	<8.95E-04	<9.74E-04	<8.75E-04	<1.62E-03	<1.09E-03	<1.21E-03	0.0121
T-404	<3.92E-04	<4.65E-04	<4.65E-04	<5.06E-04	<4.54E-04	<8.40E-04	<5.68E-04	<6.30E-04	0.0064
T-405	<3.88E-04	<4.59E-04	<4.59E-04	<5.00E-04	<4.49E-04	<8.30E-04	<5.61E-04	<6.22E-04	0.0064
T-406	<3.92E-04	<4.64E-04	<4.64E-04	<5.05E-04	<4.53E-04	<8.38E-04	<5.67E-04	<6.29E-04	0.0067
T-407	<6.05E-04	<7.16E-04	<7.16E-04	<7.79E-04	<7.00E-04	<1.29E-03	<8.75E-04	<9.71E-04	0.0104
T-408	<2.99E-04	<3.54E-04	<3.54E-04	<3.86E-04	<3.47E-04	<6.41E-04	<4.33E-04	<4.80E-04	0.0050
T-409	<3.57E-04	<4.22E-04	<4.22E-04	<4.60E-04	<4.13E-04	<7.63E-04	<5.16E-04	<5.72E-04	0.0062
T-410	<4.44E-04	<5.26E-04	<5.26E-04	<5.72E-04	<5.14E-04	<9.50E-04	<6.42E-04	<7.13E-04	0.0075
T-411	<5.67E-04	<6.71E-04	<6.71E-04	<7.31E-04	<6.56E-04	<1.21E-03	<8.20E-04	<9.10E-04	0.0099
T-412	<2.92E-04	<3.46E-04	<3.46E-04	<3.77E-04	<3.38E-04	<6.26E-04	<4.23E-04	<4.69E-04	0.0050
T-413	<2.92E-04	<3.46E-04	<3.46E-04	<3.77E-04	<3.38E-04	<6.26E-04	<4.23E-04	<4.69E-04	0.0050
T-414	<3.03E-04	<3.59E-04	<3.59E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04	0.0050
T-501	<2.08E-03	<2.46E-03	<2.46E-03	<2.68E-03	<2.41E-03	<4.46E-03	<3.01E-03	<3.34E-03	0.0331
T-502	<6.08E-04	<7.20E-04	<7.20E-04	<7.84E-04	<7.04E-04	<1.30E-03	<8.80E-04	<9.76E-04	0.0098
T-503	<1.20E-03	<1.42E-03	<1.42E-03	<1.54E-03	<1.38E-03	<2.56E-03	<1.73E-03	<1.92E-03	0.0191
T-504	<6.36E-04	<7.53E-04	<7.53E-04	<8.20E-04	<7.36E-04	<1.36E-03	<9.20E-04	<1.02E-03	0.0102
T-505	<4.23E-04	<5.01E-04	<5.00E-04	<5.45E-04	<4.89E-04	<9.05E-04	<6.11E-04	<6.78E-04	0.0070
T-506	<3.81E-04	<4.51E-04	<4.51E-04	<4.91E-04	<4.41E-04	<8.16E-04	<5.51E-04	<6.12E-04	0.0063
T-507	<3.06E-04	<3.63E-04	<3.63E-04	<3.95E-04	<3.54E-04	<6.55E-04	<4.43E-04	<4.91E-04	0.0050
T-508	<4.20E-04	<4.98E-04	<4.98E-04	<5.42E-04	<4.87E-04	<9.00E-04	<6.08E-04	<6.75E-04	0.0069
T-509	<3.01E-04	<3.56E-04	<3.56E-04	<3.88E-04	<3.48E-04	<6.44E-04	<4.35E-04	<4.83E-04	0.0050
T-510	<3.63E-04	<4.29E-04	<4.29E-04	<4.67E-04	<4.20E-04	<7.76E-04	<5.25E-04	<5.82E-04	0.0060
T-511	<3.03E-04	<3.58E-04	<3.58E-04	<3.90E-04	<3.50E-04	<6.48E-04	<4.38E-04	<4.86E-04	0.0051
T-512	<9.37E-04	<1.11E-03	<1.11E-03	<1.21E-03	<1.08E-03	<2.01E-03	<1.36E-03	<1.50E-03	0.0157
T-513	<8.86E-04	<1.05E-03	<1.05E-03	<1.14E-03	<1.03E-03	<1.90E-03	<1.28E-03	<1.42E-03	0.0149
T-514	<3.03E-04	<3.59E-04	<3.59E-04	<3.91E-04	<3.51E-04	<6.49E-04	<4.39E-04	<4.87E-04	0.0050

CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT A

EMISSION MEASUREMENT DATA SHEETS

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

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 231 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 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+ 1,1-DFA EC 68259 SUPPLIER LINDE PSIG START 2100 PSIG STOP _____

Time	Sweep Air (L/min) PPMRB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0936	5	0						1631:	0.000	S101a	
↓	↓	1								S101b	
↓	↓	2								T101	# 656
0951	↓	3	97	110	86	86	40 / 11	1392:	0.000	Δt	1015 - 1018
		4									
1006	↓	5									

COMMENTS:

FID Outside: 5 NF / 9 F

H_2S Outside: 1631: 0.010
1392: 0.005

Coordinates
11 S 348,533
3,810,989

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 231 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. 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 UNP 1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 2100 PSIG STOP _____

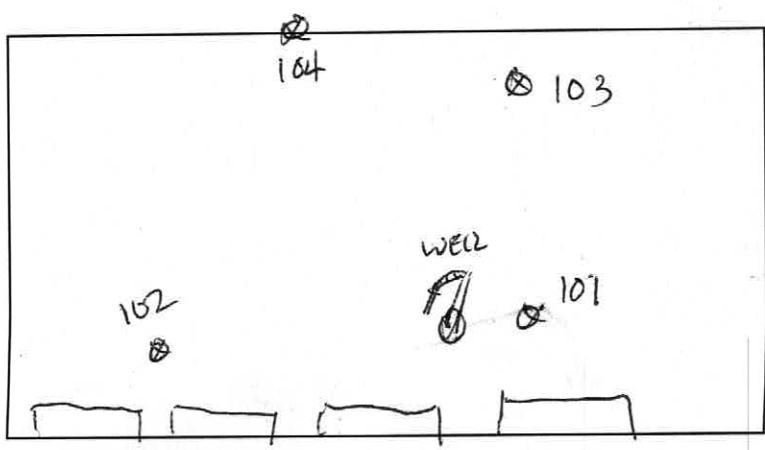
Time	199RB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0936	5	0						1631:	0.000	S102a	
↓		1								S102b	
↓		2						1392:	0.000	T102	# 201
0954		3	100	107	87	87	8/10			Δt	1009-1015
		4									
1006	↓	5									

COMMENTS:

NF / F
FID Outside: 12 / 9
H_2S Outside: 1631: 0.010
1392: 0.006

Coordinates
11 S 348,509
3,810,969

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 231 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. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 1/ 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+1,1-DFA 15341 SUPPLIER LINDE PSIG START 2100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0943	5	0								S1039	
↓	↓	1								S103b	
↓	↓	2					8.5/8.3	1631 -	0.000	T103	# 694
1001	↓	3	135	116	114	89		1392 -	0.000	At (4)	1029-1033
	↓	4									
1013	↓	5									

COMMENTS:

FID Outside: NF 4.4 F 8.0

H_2S Outside: 1631 0.005
1392 0.005

Coordinates
11 S 348,519
3,811,008

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 231 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. B 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+1,1-DFA cc 1534 SUPPLIER LINDE PSIG START 2100 PSIG STOP _____

Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	↓	1								S104a	
↓	↓	2					6.5/7.7	1631	0.000	S104b	
1001	↓	3	131	115	110	87		1392	0.000	J104	* 896
	↓	4								At (3)	1017-1020
1013	↓	5									

COMMENTS:

	F	NF
FID Outside:	7.8	4.0
H_2S Outside:	1631	0.010
	1392	0.005

Coordinates
11 S 348,502
3,811,004

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA PCW

LOCATION Chiquita Canyon Landfill GRID 76 Lift 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 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+1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) (5 PRG PRD)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1106	5	0						1631:	0.002		
↓		1								S105a	
↓		2								S105b	
1124		3	101	104	93	89	4.3/5.6	1392:	0.001	T105	#882
		4								Δt	1135-1146
1136	↓	5									

COMMENTS:

NF / F
FID Outside: 3,8 / 5,5
H_2S Outside: 1631: 0,001
1392: 0,014

Coordinates
11 S 343,763
3,811,775

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 7C 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. 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-T1,1-DFE 68259 SUPPLIER LINDE PSIG START 2600 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1106	5	0						1631:	0.000		
↓		1								S106a	
↓		2								S106b	
1124		3	107	107	104	88	4.5/6.2	1392:	0.001	T106	#706
		4								Δt	1146-1150
1136	↓	5									

COMMENTS:

NF / F
FID Outside: 3.6 / 6.2
H_2S Outside: 1631:
1392:

Coordinates
11 S 348,775
3,811,777

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 76 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. 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 1,1-DFA CC 15321 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1110	5	0						1631:	0.000		
1116	↓	1								S107a	
1122		2								S107b	
1129		3	118	107	93	#7	5.7/5.6	1392:	0.001	T107 At (4)	#603 1146/1150
1134		4									
1140	↓	5									

COMMENTS:

NF / F

FID Outside: 3.6 / 5.3

H_2S Outside: 1631: 0.19

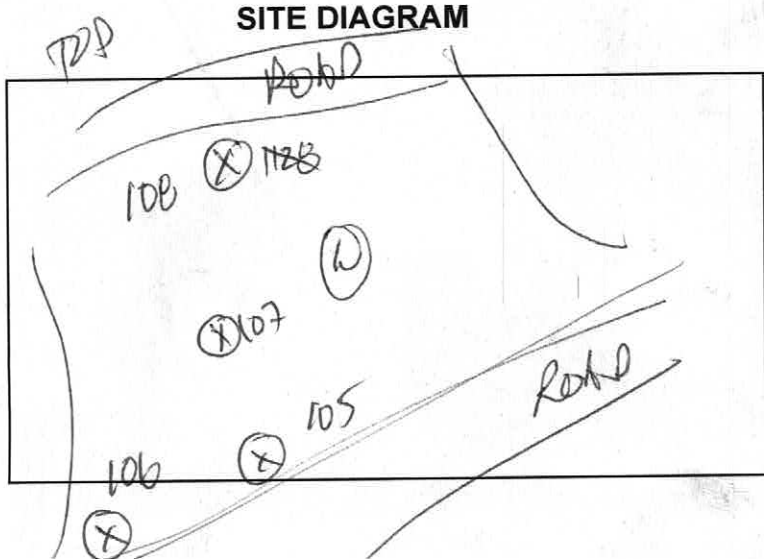
1392: 0.009

Coordinates

11 S 34 8,754

3,81 1,758

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCL

LOCATION Chiquita Canyon Landfill GRID 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. B 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 N2, 1-DFA CC 15341 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1110	5	0						1631:	0.009		
↓	↓	1								S108a	
↓	↓	2								S108b	
1128 — 1138	↓	3	98	102	94	89	4.2/6.3	1392:	0.003	T108	# 729
	↓	4								Δt	
1140	↓	5									

COMMENTS:

NF / F

FID Outside: 3.6 / ~~5.6~~ 6.5

H_2S Outside: 1631: 0.019

1392: 0.005

Coordinates

11 S 34 8,750

3,81 1,748

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 78 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. 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+1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 1750 PSIG STOP _____

Time	Sweep Air (L/min) (199 PPM)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1214	5	0						1631:	0.000		
		1								S109a	
↓		2								S109b	
1232		3	101	100	95	89	-3.6/-1.2	1392:	0.000	T109	# 800
		4								Δt (4)	1248/1252
1244	↓	5									

COMMENTS:

NF F
FID Outside: 1.3 / 0.8
H_2S Outside: 1631: 0.006
1392: 0.006
MEDIA BLANK: T114/#771 1326
S114a, S114b 1324
CC68259, 199 PPB 1,1-DFA

Coordinates
11 S 348,798
3,811,871

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 78 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. 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+1,1-DFE CC 68259 SUPPLIER LINDE PSIG START 1750 PSIG STOP _____

Time	199 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1214	5	0						1631:	0.000		
↓	↓	1								S1109	
↓	↓	2								S1106	
1232	↓	3	128	105	110	92	2.2/0.7	1392:	0.001	T10	#846
	↓	4								At	1249-1253
1244	↓	5									

COMMENTS:

NF F
FID Outside: 21 / 0.18
H_2S Outside: 1631: 0.011
1392: 0.001

Coordinates
11 S 34 8,805
3,81 1,852

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 78 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. B 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+ 1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

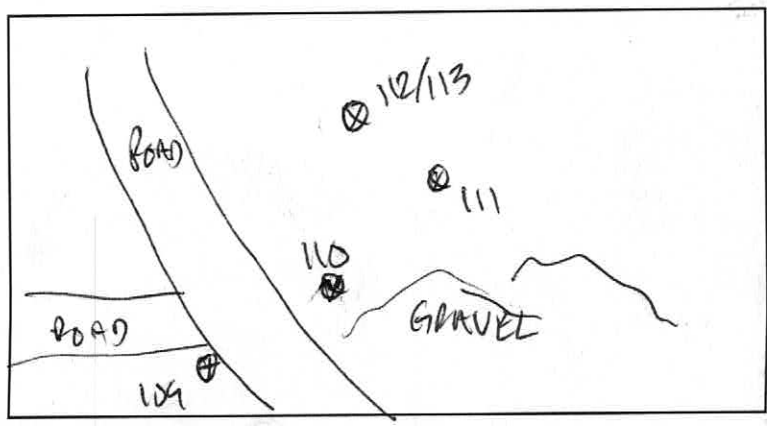
Time	20SPM Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1214	5	0						1631:	0.012		
↓		1								5111a	
↓		2								5111b	
1232		3	101	106	94	91	180/207	1392:	0.004	T111	#802
		4								At	1250 - 1254
1244	↓	5									

COMMENTS:

	NF	F
FID Outside:	14	50
H_2S Outside:	1631: 0.016	
	1392: 0.005	

Coordinates
11 S 348,793
3,811,843

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/10/25 SAMPLERS CES JDC JDA. RCW

LOCATION Chiquita Canyon Landfill GRID 78 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. 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+1,1-DFA cc 15341 SUPPLIER LINDE PSIG START 1700 PSIG STOP

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1214	5	0						1631:	0.002	S1129	
↓	↓	1								S1126	
↓	↓	2								T112	# 629
1232	↓	3	119	108	98	91	3500/3400	1392:	0.002	At	1157-1300
↓	↓	4								S1139	
1244	↓	5								S1135	
										T113	# 881
										At	1300-1303

COMMENTS:

MF / F
FID Outside: 40 / 35
H_2S Outside: 1631: 0.019
1392: 0.006

Coordinates
11 S 348,799
3,811,836

SITE DIAGRAM

METHOD BLANK
T-114 #60259 ~~208~~ 199 PPBV

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 211 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. B 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 0 HR+1,1-DFA cc 68259 SUPPLIER ~~ORA~~ LINDE PSIG START 2400 PSIG STOP _____

Time	Sweep Air (L/min) (FPPB)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0924	5	0						1631:	0.008		
↓		1								5201a	
		2								5201b	
0942		3	90	93	88	80	4.2/4.2	1392:	0.002	T201	# 805
		4								ΔT4	0959/1003
0954	↓	5									

COMMENTS:

NF / F
FID Outside: 6.5 / 5.2
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,396
3,811,239

SITE DIAGRAM

MEPUD
SCMC-T-214
68259 199 ppbv

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRD 211 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. 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 1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min) 199 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0924	5	0						163:	0.000		
		1								S202a	
		2								S202b	
0942		3	91	84	87	77	2.4/2.2	1392:	0.002	S202	# 618
		4								Δt	1006/1010
0954		5									

COMMENTS:

NF / F
FID Outside: 6.7 / 4.6
H_2S Outside: 163: 0.007
1392: 0.005

Coordinates
11 S 348,383
3,811,242

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 211 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 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+1,1-DFA CC 15341 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_2S			
			Surf	Air	Surf	Air					
0921	5	0						1631:	0.000		
↓		1								S203a	
↓		2					NF F			S203b	
0939		3	90	88	84	78	2.1/1.3	1392:	0.001	T203	# 727
		4								Δt	
0951	↓	5									

COMMENTS:

NF F
FID Outside: 4.2 / 2.2
H_2S Outside: 1631: 0.006
1392: 0.005

Coordinates
11 S 348,369
3,811,244

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 211 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. 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 N2, 1-DFA cc 15341 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0921	5	0						1631:	0.004		
↓		1								S204a	
↓		2								S204b	
0939		3	87	69	79	73	5.3/4.2	1392:	0.005	S204	# 409
		4								ΔE	0939-1003
0951	↓	5									

COMMENTS:

	NF	F
FID Outside:	8.3	5.4
H_2S Outside:	1631:	0.012
	1392:	0.005

Coordinates
11 S 348,352
3,811,239

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 209 2A1

SURFACE DESCRIPTION DIRT

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 1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 1250 PSIG STOP _____

Time	Sweep Air (L/min) 19900	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1032	5	0						1631:	0.001		
↓	↓	1								S205a	
↓	↓	2								S205b	
1050		3	115	101	104	84	-0.4/-0.4	1392:	0.000	T205	#779
		4								Δt	
1102	↓	5									

COMMENTS:

NF F
FID Outside: 1.7/0.3
H_2S Outside: 1631: 0.007
1392: 0.020

Coordinates
11 S 348,481
3,811,317

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 209 L#2

SURFACE DESCRIPTION DIRT

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 UAP+1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 1250 PSIG STOP _____

Time	199 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1032	5	0						1631:	0.001		
↓	↓	1								S2069	
↓	↓	2								S2066	
1050	↓	3	102	99	84	81	-0.2/0.4	1392:	0.001	T206	# 509
↓	↓	4								Δt (4)	1104/1108
1102	↓	5									

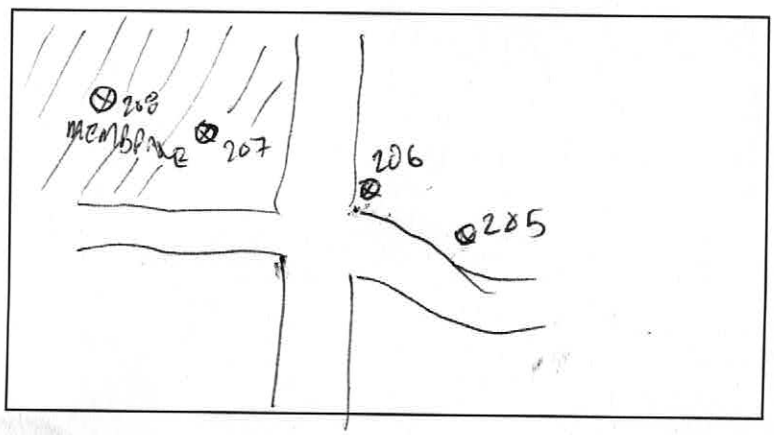
COMMENTS:

FID Outside: 4 NF / 4 F

H_2S Outside: 1631: 0.019
1392: 0.007

Coordinates
11 S 348,480
3,811,331

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 209 L#3

SURFACE DESCRIPTION BLACK 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. ~~B~~ 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+1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

Time	Sweep Air (L/min) 208 PPS	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1027	5	0						1631:	0.004		
↓		1								S207a	
↓		2								S207b	
1045		3	106	101	98	82	4.6/1.2	1392:	0.001	S207	# 605
		4								Δt	1101 - 1107
1057	↓	5									

COMMENTS:

NF F
FID Outside: 4.2/ 3.3
H_2S Outside: 1631: 0.006
1392: 0.006

Coordinates
11 S 34 8,475
3,81 1,364

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 209 L#4

SURFACE DESCRIPTION BLACK 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. B 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+1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

Time	20 PPM Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1027	5	0						1631:	0.012		
↓	↓	1								S208a	
↓	↓	2								S208b	
1045		3	103	100	97	83	0.2/0.2	1392:	0.001	T208	# 699
		4								Δt	1106-1111
1057	↓	5									

COMMENTS:

NF F
FID Outside: 2.2/1.3
H_2S Outside: 1631: 0.010
1392: 0.008

Coordinates
11 S 34 8 , 4 6 9
3,81 1 , 3 7 8

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TJC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 83 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. B 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+ 1,10[illegible] CC 15341 SUPPLIER LINDE PSIG START 1050 PSIG STOP _____

208 PPB

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1134	5	0						1631	0.000		
↓	↓	1								S209a	
↓	↓	2								S209b	
1152	↓	3	102	102	96	88	330 / 230	1392	0.000	T209	# 638
	↓	4								Δt	1217
1204	↓	5									

COMMENTS:

NF / F
FID Outside: 48 / 60
H_2S Outside: 1631 : 0.046
1392 : 0.039

Coordinates
11 S 348,817
3,811,514

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/21/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 83 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. 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+1,1-DFA CC 68259 SUPPLIER 4NDE PSIG START 1100 PSIG STOP

Time	Sweep Air (L/min) 199 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1140	5	0						1631	0.001		
↓	↓	1								S2109	
↓	↓	2								S2106	
1158	↓	3	100	99	93	84	NF F 3.1K / 2.7K	1392	0.002	T210 At	#672
	↓	4									
1210	↓	5									

COMMENTS:

NF F
FID Outside: 20 / 240
H_2S Outside: 1631 : 0.018
1392 : 0.008

Coordinates
11 S 348,798
3,811,526

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 83 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. F 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+1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 1050 PSIG STOP

Time	Sweep Air (L/min) (208 PPB)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1134	5	0						1631:	0.006		
↓		1								S211a	
↓		2								S211b	
1152		3	105	102	97	87	700/1400	1392:	0.002	S211	# 687
		4								Δt 5	1209-1214
1202	↓	5									

COMMENTS:

NR F
FID Outside: 70 / 200
H_2S Outside: 1631:
1392:

Coordinates
11 S 348,812
3,811,527

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/11/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 83 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. 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 UHP N2,1-OFA CC 68259 SUPPLIER Linde PSIG START 1100 PSIG STOP _____

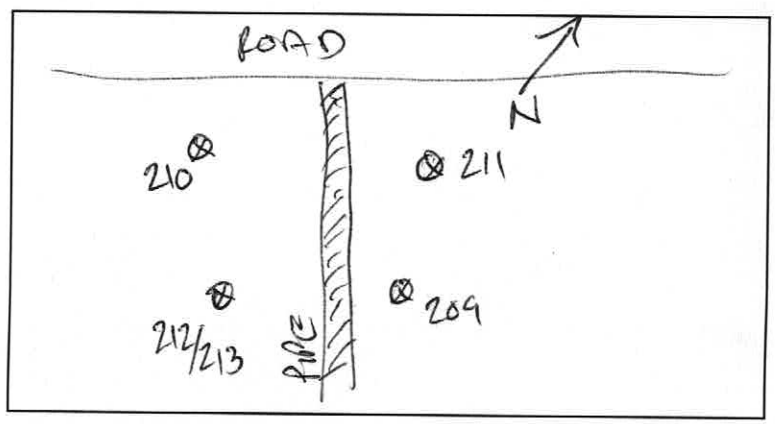
Time	Sweep Air (L/min) FMRS	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1140	5	0						1631: ~~0.0~~		S212a	
↓	↓	1							0.008	S212b	
↓	↓	2								T212	# 778
1158	↓	3	104	100	98	88	1.2%/1.6%	1392: ~~0.01~~		Δt	1224-1228
↓	↓	4							0.008	S213a	
1210	↓	5								S213b	
										T213	# 631
										Δt	1220-1224

COMMENTS:

NF F
FID Outside: 1000 / 250
H_2S Outside: 1631: 0.023
1392: 0.012

Coordinates
11 S 348,807
3,811,512

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 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. ~~X~~ 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+1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 800 PSIG STOP

Time	Sweep Air (L/min) 199PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0855	5	0						1631:	0.027		
↓	↓	1								S301a	
↓	↓	2								S301b	
0913	↓	3	75	71	74	66	0.20/3.2	1392:	0.000	T301	# 990
	↓	4								At	0929-0933
0925		5									

COMMENTS:

NF / F
FID Outside: 4.3 / 3.2
H_2S Outside: 1631: 0.000
T392: 0.004

Coordinates
11 S 348,589
3,811,225

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 197 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. G PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 1 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+1,1-DFA CC 60259 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	199 ppm Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0855	5	0						1631:	0.012		
↓	↓	1								S3029	
		2								S3026	
0913		3	72	69	73	65	95/74	1392:	0.000	T302	# 899
		4								At	
0925	↓	5									

COMMENTS:

NF F
FID Outside: 7.2 / 7.4
H_2S Outside: 1631: 0.010
1392: 0.003

Coordinates
11 S 348,577
3,811,226

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 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. 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 1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0853	5	0						1631:	0.000		
↓	↓	1								S303a	
↓	↓	2								S303b	
0911	↓	3	78	73	77	67	15 / 13	1392:	0.000	T303	# 785
	↓	4								Δt 4	0925/0929
0923	↓	5									

COMMENTS:

NF / F
FID Outside: 5.2 / 6.3
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 348,575
3,811,239

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 197 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. B 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+1,1-DFAcc 15341 SUPPLIER LINDE PSIG START 800 PSIG STOP

Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0853	5	0						1631:	0.000		
↓	↓	1								S304a	
↓	↓	2								S304b	
0911	↓	3	80	74	78	66	470/350	1392:	0.000	T304	#503
	↓	4								At (4)	0931/0935
0923	↓	5									

COMMENTS:

NF / F
FID Outside: 60 / 55
H_2S Outside: 1631: 0.000
1392: 0.004

Coordinates
11 S 348,589
3,811,143

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 96 L#1

SURFACE DESCRIPTION HYDROSEED

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 1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

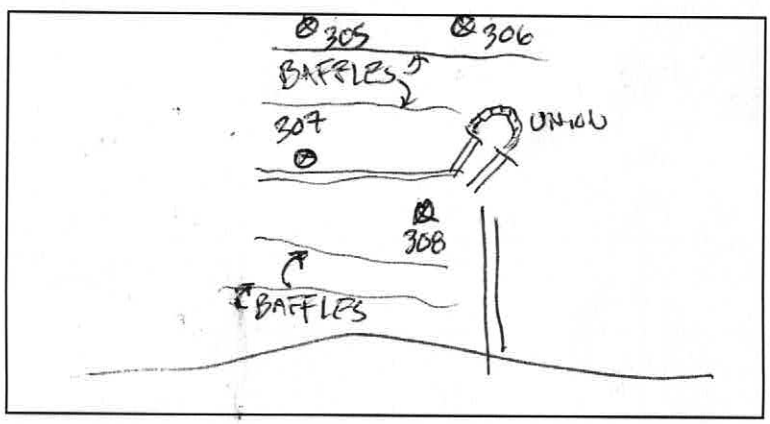
Time	194 BBB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1000	5	0						1631:	0.000		
↓	↓	1								S305a	
↓	↓	2								S305b	
1018		3	79	75	78	70	2040 / 1800	1392:	0.000	T305	# 548
		4								Δ+(4)	1041 / 1045
1030	↓	5									

COMMENTS:

NF / F
FID Outside: 150 / 90
H_2S Outside: 1631: 0.003
1392: 0.004

Coordinates
11 S 348,764
3,811,173

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRL JDA RCW

LOCATION Chiquita Canyon Landfill GRID 96 L#2

SURFACE DESCRIPTION HYDROSEED

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+1,1-DFA CC 68259 SUPPLIER LINDE PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min) 199 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1000	5	0						1631:	0.000		
↓	↓	1								S306a	
↓	↓	2								S306b	
1018	↓	3	80	76	76	69	7/33	1392:	0.000	T306	# 878
	↓	4								Δt	1041-1046
1030		5									

COMMENTS:

NF / F
FID Outside: 11 / 23
H_2S Outside: 1631: 0.004
1392: 0.005

Coordinates
11 S 348,766
3,811,190

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 96 L#3

SURFACE DESCRIPTION HYDROSEED

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+1,1-DFA CC ~~LB254~~ 15341 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

Time	~~150~~ ~~200~~ Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0955	5	0						1631:	0.000		
↓		1								S307a	
↓		2								S307b	
1013		3	81	78	76	69	0.2/2.5	1392:	0.000	T307	# 6412
		4								Δt	1046-1051
1025	↓	5									

COMMENTS:

NF / F
FID Outside: 1.3 / 1.6
H_2S Outside: 1631: 0.004
1392: 0.005

Coordinates
11 S 348,760
3,811,184

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 96 L#4

SURFACE DESCRIPTION HYDROSEED

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. B 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 DAP+1,1-DFA cc 15341 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

Time	Sweep Air (L/min) 208BB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0955	5	0						1631:	0.000		
↓	↓	1								S308a	
↓	↓	2								S308b	
1013	↓	3	90	77	79	70	~~15~~ 1.22%	1392:	0.000	T308	# 879
↓	↓	4					1.1%			At (4)	1032/1036
1025	↓	5									

COMMENTS:

NF / F
FID Outside: ~~520~~ / 440
H_2S Outside: 1631: 0.004
1392: 0.004

Coordinates
11 S 34 8,774
3,81 1,177

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 194 L#1 Hydrosed

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+1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 400 PSIG STOP _____

Time	Sweep Air (L/min) 208 BBB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1146	5	0						1631:	0.000		
↓		1								53090	
↓		2								53096	
1204		3	71	70	72	68	0.4/2.2	1392:	0.000	T309	# 885
		4								At	
1216	↓	5									

COMMENTS:

NF / F

FID Outside: 2 / 0

H_2S Outside: 1631: 0.000
1392: 0.004

Coordinates
11 S 348,777
3,811,239

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 194 L#2 Hydroseed

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 UHP+1,1-DFA CC 15341 SUPPLIER LINDE PSIG START 400 PSIG STOP

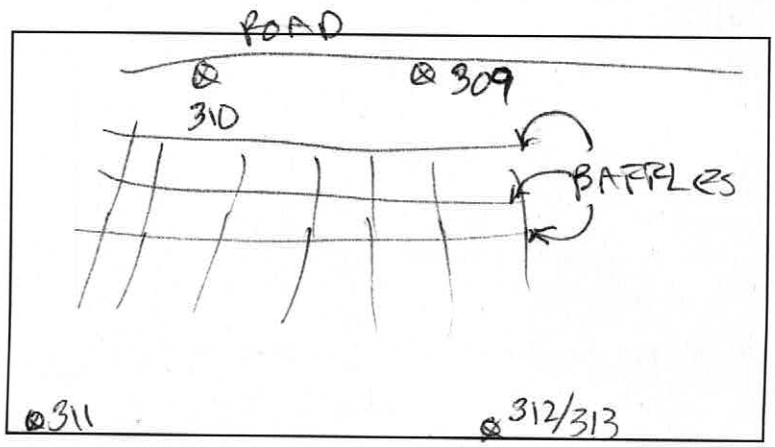
Time	Sweep Air (L/min) 20 SFM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1146	5	0						1631:	0.000		
↓	↓	1								S309	
↓	↓	2								S310	
1201	↓	3	71	69	72	69	-1.2/-0.2	1392:	0.000	T310	#551
	↓	4								Δt	1226-1230
1216	↓	5									

COMMENTS:

	NF	F
FID Outside:	-0.2	-0.5
H_2S Outside:	1631: 0.000	
	1392: 0.004	

Coordinates
11 S 348,766
3,811,231

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID 194 L#3

SURFACE DESCRIPTION HYDRO SEED

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. B 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 (HP+1,1-DFA) CC 68259 SUPPLIER LINDE PSIG START 300 PSIG STOP _____

Time	194 PRD Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1105	5	0						1631:	0.000		
↓	↓	1								S311a	
↓		2								S311b	
1123		3	79	73	78	70	200/220	1392:	0.000	T311	# 673
		4								Δt(4)	1138/1142
1135	↓	5									

COMMENTS:

NF / F
FID Outside: 35 / 60
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,784
3,811,179

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/12/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO 194 L#4

SURFACE DESCRIPTION HYDROSEED

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 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+1,1-DFA CC 68259 SUPPLIER AIRGAS PSIG START 300 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1105	5	0						1631:	0.013	S312a	
↓	↓	1								S312b	
↓	↓	2								T312	# 756
1123	↓	3	81	78	76	70	3.4%/3.2%	1392:	0.014	Δt(4)	1152/1156
↓	↓	4								S313a	
1135	↓	5								S313b	
										T313	# 764
										Δt(3)	1157/1200

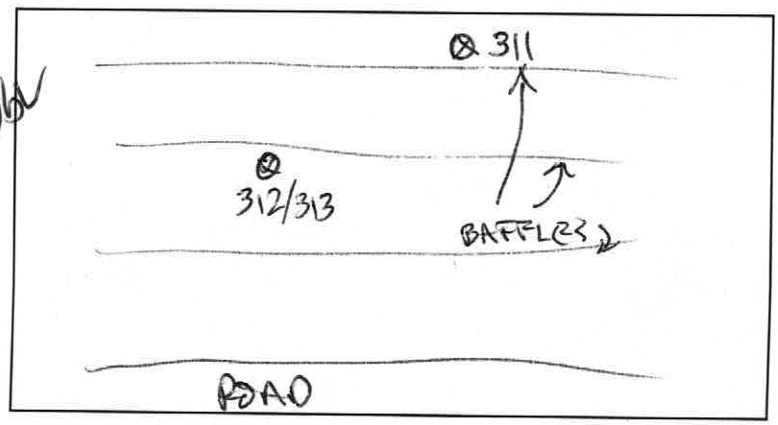
COMMENTS:

NF / F
FID Outside: 1200 / 1400
H_2S Outside: 1631: 0.007
1392: 0.007
METHOD BLK #314 #1534

208 DOG

Coordinates
11 S 348,799
3,811,196

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill GRP # 111 241

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. 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 1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 206 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0904	5	0						1631:	0.000		
↓		1								S4019	
↓		2								S4015	
0926		3	59	63	59	56	-2/-2	1392:	0.000	T401	# 714
		4								Δt	0941 - 0946
0938	↓	5									

COMMENTS:

NF / F
FID Outside: -1 / -2
H_2S Outside: 1631
1392

Coordinates
11 S 348,989
3,810,980

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID# 111 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. 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+1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	206 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0908	5	0						163	0.000		
		1									
↓		2								S402a	0942
0926		3	63	63	61	59	-2 / -2	1392	0.000	S402b	
		4								TH02	#182
0938	▼	5								At	0943
											0946

COMMENTS:

NF / F
FID Outside: -1 / -1
H_2S Outside: 163 : 0.000
1392 : 0.002

Coordinates
11 S 348,992
3,810,990

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 111 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 UHP 1,1-DFA SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	20 SCFM Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0906	5	0						1631:	0.000		
↓	↓	1									
↓	↓	2								S403a	
0924	↓	3	53	55	52	55	-1 / -1	1392:	0.000	S403b	
↓	↓	4								T403	# 664
0936	↓	5								Δt	

COMMENTS:

NF / F

FID Outside: -1 / -1

H_2S Outside: 1631: 0.000

1392: 0.004

ROAD TRAFFIC PRESENT (DIESEL EXHAUST)

Coordinates

11 S 348,993

3,810,998

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TRC JDA RLW

LOCATION Chiquita Canyon Landfill GRID # 111 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. B 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+1,1-DFA ~~GC~~ SA8940 SUPPLIER LINDE PSIG START 2000 PSIG STOP

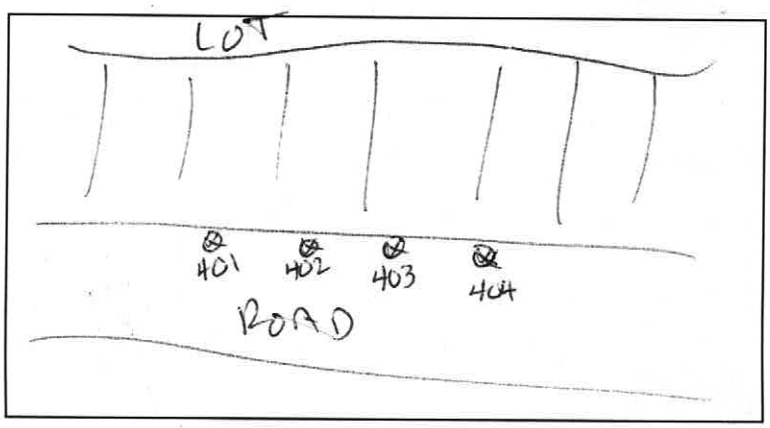
Time	200 PPB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0906	5	0						1631:	0.000		
↓	↓	1									
↓	↓	2					NF, F			S404a	C497
0921	↓	3	60	62	59	56	-1 / -1	1392:	0.000	S404b	
	↓	4								T404	#837
0936	▼	5								Δt	0939/ 0941

COMMENTS:

NF , F
FID Outside: -1 / -1
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 348,997
3,811,012

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS LES TRL JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 248 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 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+ 1,1-DFA cc SA8440 SUPPLIER Linde PSIG START 1900 PSIG STOP

Time	Sweep Air (L/min) 200 MB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1010	5	0						1631:	0.000		
↓		1									
↓		2								S405a	
1028		3	81	75	74	62	0.0 / 0.4	1392:	0.000	S405b	
		4								T405	#
1040	↓	5								At (4)	1049/1053

COMMENTS:

NP F
FID Outside: 0.65 / 0.5
H_2S Outside: 1631: 0.000
1392: 0.002

Coordinates
11 S 34 8,466
3,81 0,713

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 248 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. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 1/ 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+1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 1900 PSIG STOP _____

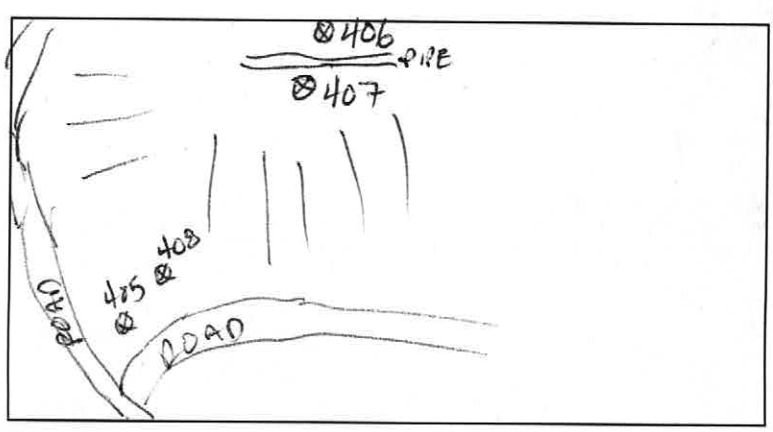
Time	Sweep Air (L/min) 206 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1011	5	0						1631:	0.000		
↓	↓	1									
↓		2								S1066a	1046
1029		3	88	86	82	66	-1 / -0.4	1392:	0.000	S1066b	
		4								T406	# 634
1041	↓	5								Δt	1046
											1049

COMMENTS:

NR F
FID Outside: 0.1 / 0.5
H_2S Outside: 1631: 0.000
1392: 0.000

Coordinates
11 S 348,461
3,810,770

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS LES TRL JDA RLW

LOCATION Chiquita Canyon Landfill GRO # 248 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. B 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+1,1-DFA CC 35742 SUPPLIER LINDE PSIG START 1900 PSIG STOP _____

Time	Sweep Air (L/min) 226 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1011	5	0						1631:	0.000		
↓	↓	1									
↓		2					NF F			S407a	
1025		3	107	93	80	~~70~~	58/56	1392:	0.000	S407b	
		4								T407	# 417
1041	↓	5								At	1045-1049

COMMENTS:

2 NF / F
FID Outside: ~~90~~ / 2
H_2S Outside: 1631: 0.000
1392: 0.000

Coordinates
11 S 348,464
3,810,762

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 248 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. 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 1,1-DFA CC SA8940 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 20	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1010	5	0						1631:	0.000		
↓		1									
↓		2								S408a	
1028		3	77	77	69	66	60/630	1392:	0.000	S408b	
		4								T408	# 653
1040	↓	5								Δt	1044/1048

COMMENTS:

NP / F
FID Outside: 14 / 50
H_2S Outside: 1631: 0.000
1392: 0.001

Coordinates
11 S 348,466
3,810,723

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 243 2#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. 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+1,1-DFA CC 3517412 SUPPLIER LINDE PSIG START 1600 PSIG STOP

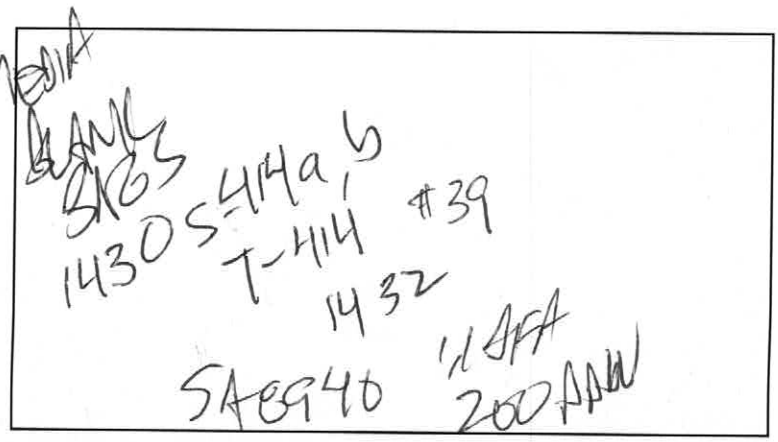
Time	206 PB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1118	5	0						1631:	0.000		
↓		1									
↓		2								S409a	1149
1136		3	99	95	89	72	1.4 / ~~2~~ 2.1	1392:	0.000	S409b	
		4								T409	#655
1148	↓	5								At	1152
											1156

COMMENTS:

MF F
FID Outside: 4 / ~~2~~ 3
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 34 8,311
3,810,928

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TRC JDA DCW

LOCATION Chiquita Canyon Landfill GRO # 243 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. 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+1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	206 AB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1118	5	0						1631:	0.000		
↓	↓	1									
↓		2								S410a	
1136		3	82	86	85	74	200/170	1392:	0.000	S410b	
		4								~~S~~410	#849
1148	↓	5								~~At~~	1153-1157

COMMENTS:

NF / F

FID Outside: 14 / 30

H_2S Outside: 1631: 0.000

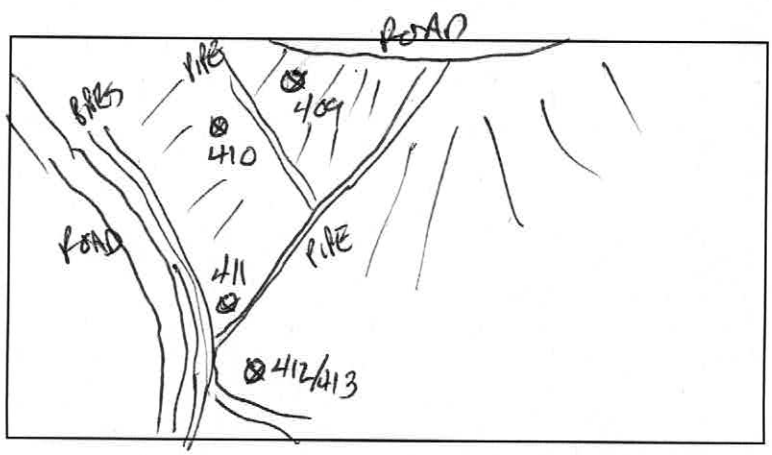
1392: 0.009

Coordinates

11 S 343,307

3,810,912

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 243 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. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☒ No ☐ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', SLIGHT 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+1,1-DFA CC SA8940 SUPPLIER BNDC PSIG START 1700 PSIG STOP

Time	Sweep Air (L/min) 200 SB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1115	5	0						1631:	0.000		
		1									
↓		2								S411a	
1133		3	97	100	83	70	1800/1700	1392:	0.000	S411b	
		4								T411	#859
1145	↓	5								At (5)	1149/1159

COMMENTS:

	NF	F
FID Outside:	140	100
H_2S Outside:	1631: 0.000	
	1392: 0.003	

Coordinates
11 S 348,308
3,810,897

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/24/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 243 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. D PHOTO TAKEN: Yes ☒ No ☐

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

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5' SLIGHT, ___ 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 1,1-DFA CC 3.8946 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

Time	Sweep Air (L/min) 200 MB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1115	5	0						1631:	0.000	S412a	
		1							0.000	S412b	
↓		2								T412	#534
1133		3	78	90	79	72	~~200~~ /	1392:	0.21	Δt ③	~~1154/1157~~
		4					2.6% / ~~100~~			S413a	1203/1206
1145	↓	5					2.6%			S413b	
										T413	#502
										Δt ③	1154/1157

COMMENTS:

	NF	F
FID Outside:	1100	/ 250
H_2S Outside:	1631: 0.000	
	1392: 0.008	

Coordinates
11 S 348,318
3,810,891

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS GES TRE JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 217 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+1,1-DFA CC SA8940 SUPPLIER LNDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 200 MD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0659	5	0						1681:	0.000		
↓	↓	1									
↓		2								S501a	
0717		3	54	51	58	47	3 / 5	1392:	0.000	S501b	
		4								S501	#703
0729	↓	5								Δt (5)	0734/0739

COMMENTS:

NF / F
FID Outside: ~~48~~ / 4
H_2S Outside: 1681: 0.000
1392: 0.002

Coordinates
11 S 34 8,538
3,81 1,124

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 217 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. 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-1,1-DFA CC SA8940 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	200 RB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0659	5	0						1631:	25		
		1							31		
		2							0.000	S502a	
0717		3	58	57	57	47	33/26	1392:	0.000	S502b	
		4								T502	# 537
0729		5								At	0738/0741

COMMENTS:

NF / F
FID Outside: 4 / 15
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 348,527
3,811,124

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 217 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. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☒ No ☐ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', SLIGHT 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-1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 1300 PSIG STOP

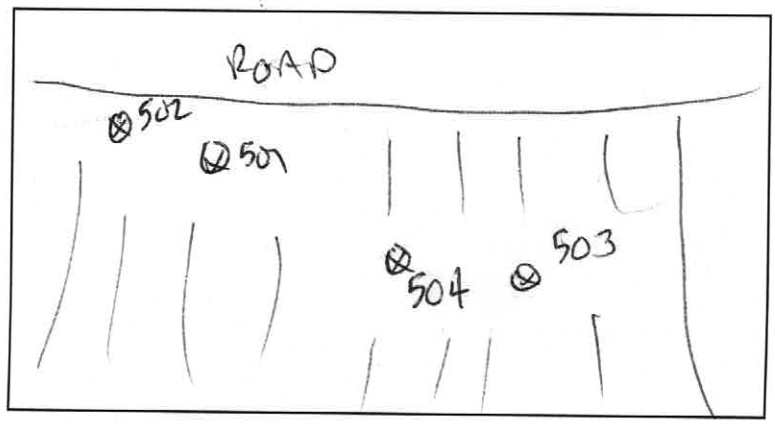
Time	Sweep Air (L/min) 20 CFM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0859	5	0						1631:	0.000		
		1									
		2								S503a	
0717		3	59	54	58	53	16 / 12	1392:	0.000	S503b	
		4								T503	# 553
0729		5								At	0737-0741

COMMENTS:

WF / F
FID Outside: 6 / 4
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 348,569
3,811,125

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID A 217 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. B 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+1,1-DFA CC 351742 SUPPLIER LINDE PSIG START 1300 PSIG STOP _____

206 PPB

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0659	5	0						1631:	0.000		
↓	↓	1									
↓		2								5504a	0731
0717		3	57	57	56	53	11/9	1392:	0.000	5504b	
		4								T504	# 708
0729	↓	5								Δt	0738
											0741

COMMENTS:

NF / F
FID Outside: 7 / 6
H_2S Outside: 1631: 0.000
1392: 0.002

Coordinates
11 S 348,559
3,811,124

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 207 L#1

SURFACE DESCRIPTION SEAM / 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. B 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 UAH 1,1-DFA CC SA8940 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

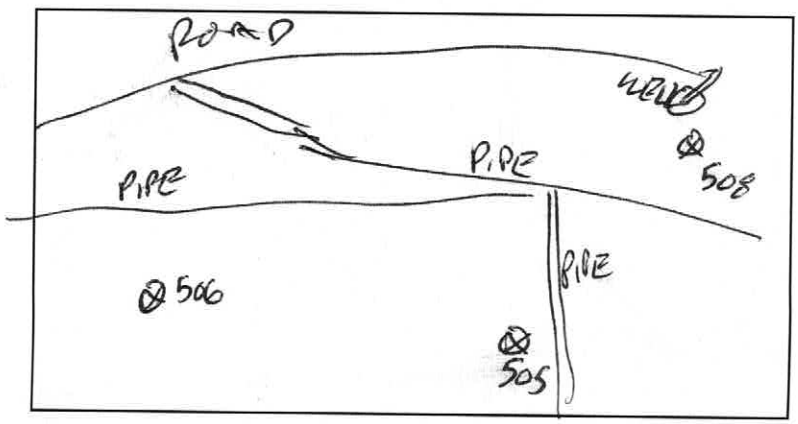
Time	Sweep Air (L/min) 200 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0820	5	0						1631:	0.000		
↓	↓	1									
↓	↓	2								SS05a	
0838	↓	3	67	70	67	62	1.5 / 0.2	1392:	0.001	SS05b	
	↓	4								T505	* 505
0850	↓	5								Δt	0837-0900

COMMENTS:

NF / F
FID Outside: 5.2 / ~~0.2~~ 2.5
H_2S Outside: 1631: 0.003
1392: ~~0.009~~ 0.005

Coordinates
11 S 348,291
3,811,357

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 207 L# 2

SURFACE DESCRIPTION SEAM / 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+1,1-DFA CC SA8940 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

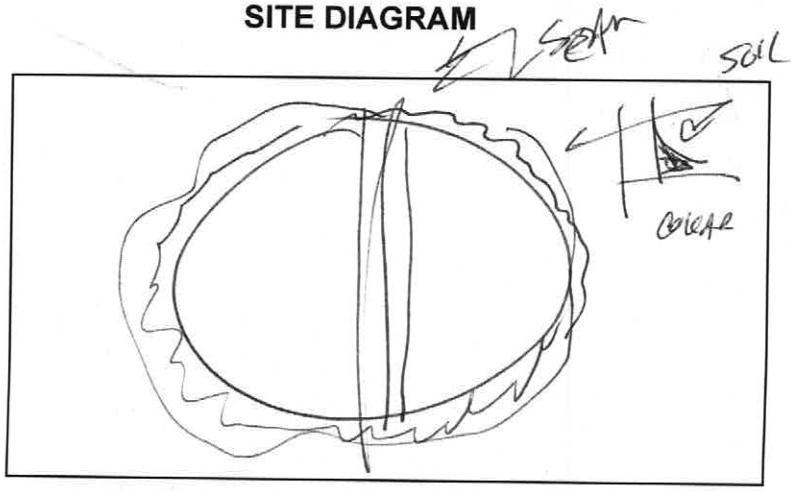
Time	Sweep Air (L/min) 200 mm	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0820	5	0						1631:	0.000		
↓		1									
↓		2								S506a	0859
0838		3	69	69	66	62	1.5/1.3	1392:	0.002	S506b	
		4								T506	# 698
0850	↓	5								Δt	0859
											0902

COMMENTS:

NF / F
FID Outside: 4.4 / 1.8
H_2S Outside: 1631: 0.000
1392: 0.002

Coordinates
11 S 348,298
3,811,345

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRD # 207 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. 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+1,1-DFA cc 351712 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

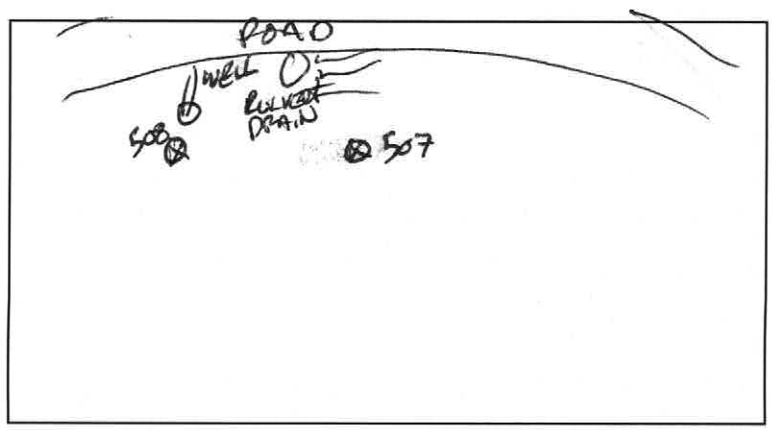
Time	Sweep Air (L/min) 206 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0820	5	0						1631:	0.003		
↓		1									
↓		2								S507a	
0838		3	64	65	64	64	4 / 1	1392:	0.001	S507b	
		4								T507	# 768
0850	↓	5								At (4)	0856 / 0900

COMMENTS:

NR F
FID Outside: 4 /
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,268
3,811,364

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 207 L#4

SURFACE DESCRIPTION WHITE MEMBRANE / SEAM & 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. 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-H,I-DFA CC 351742 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

Time	206 PRO Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0820	5	0						1631:	0.000		
		1									
		2								55089	
0830		3	68	68	68	64	1.3 / 2.2	1392:	0.001	55085	#
		4								T608	# 860
0850		5								Δt5	0853/0858

COMMENTS:

NF F
FID Outside: 4.3 / 2.2
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,277
3,811,353

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 169 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. ~~X~~ B 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+1,1-DFA CC SA8940 SUPPLIER LINDE PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min) 200 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0938	5	0						1631:	0.001		
		1									
↓		2								S509a	
0956		3	74	74	73	72	1.9/1.2	1392:	0.000	S509b	
		4								T509	# 750
1008	↓	5								Δt 5	1011/1016

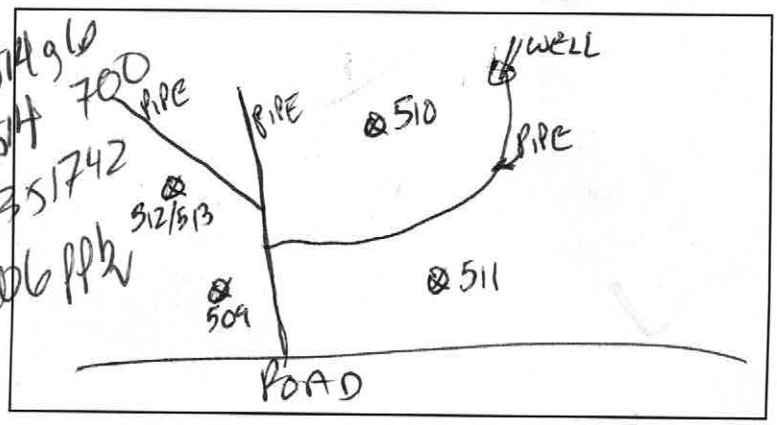
COMMENTS:

NR / R
FID Outside: 2.9 / 1.4
H_2S Outside: 1631: 0.010
1392: 0.005

BLANK
1101
S-514960
T-514700
CC351742
206 ppb

Coordinates
11 S 34 ~~0,408~~ 8398
3,81 ~~1,519~~ 1516

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 169, L# 2

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. 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-1,1-DFA CC 38742 SUPPLIER LINDE PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min) 20 PSIG	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0938	5	0						1631:	0.000		
		1									
		2								S510a	
0956		3	69	73	69	65	10.3/8.5	1392:	0.001	S510b	
		4					9.3/7.2			TB10	# 692
1008		5								At	1011-1015

COMMENTS:

NP F
FID Outside: 4.8 / 3.6
H_2S Outside: 1631: 0.005
1392: 0.006

Coordinates
11 S 348,414
3,811,511

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRID # 169 L#3 NO SEAM

SURFACE DESCRIPTION WHITE MEMBRANE / ~~BARE~~

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+1,1-DFA cc 351742 SUPPLIER LINDE PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min) 20 6 FB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0938	5	0						1631:	0.002		
↓	↓	1									
↓		2								S511a	1010
0956		3	83	81	72	71	0.8 / 0.2	1392:	0.001	S511b	
		4								T511	# 766
1008	↓	5								Δt	1012
											1015

COMMENTS:

UP F
FID Outside: 1.4 / 1.5
H_2S Outside: 1631: ~~0.002~~ 0.010
1392: 0.0.506

Coordinates
11 S 34 8,400
3,81 1,503

SITE DIAGRAM

NO SEAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 11/25/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill GRO # 169 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. 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 N2-DFA CC SA8940 SUPPLIER LINDE PSIG START 1050 PSIG STOP _____

Time	Sweep Air (L/min) 200 MIN	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0938	5	0						1631:	0.000	S512a	1017
↓		1								S512b	
↓		2								T512	# 897
0956		3	82	79	78	73	1.9/1.6	1392:	0.001	At	1020 1023
		4								S513a	
1008	↓	5								S513b	
										T513	# 617
										At	1024 1027

COMMENTS:

NF / F
FID Outside: 2H / 1.6
H_2S Outside: 1631: 0.006
1392: 0.006

Coordinates
11 S 348,408
3,811,519

SITE DIAGRAM

CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT B

CHAIN OF CUSTODY

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

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

17807

TO-15 Day 1

| | | |

CE Schmidt, Ph., Environmental Consultant — **TO-15 Day 2**

Chain of Custody Record

| | | |

CE Schmidt, Ph. – Environmental Consultant TO-15 Day 3

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
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 Name: EAS
Project Manager: Pat Sullivan		Laboratory Address: 173 Cross Street, San Luis Obispo, CA 93401
Requested Completion Date		Laboratory Phone: 805-781-3585
		Laboratory Contact: Dr. Steve Hoyt, stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis 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
	11/12/2025	929		x	T- 301	490	1		x		x	x	x	x	x	-29	0	29
	11/12/2025	932		x	T- 302	884	1		x		x	x	x	x	x	-29	0	30
	11/12/2025	935		x	T- 303	785	1		x		x	x	x	x	x	-29	0	31
	11/12/2025	931		x	T- 304	503	1		x		x	x	x	x	x	-29	0	32
	11/12/2025	1046		x	T- 305	642	1		x		x	x	x	x	x	-29	0	33
	11/12/2025	1041		x	T- 306	878	1		x		x	x	x	x	x	-29	0	34
	11/12/2025	1041		x	T- 307	548	1		x		x	x	x	x	x	-29	0	35
	11/12/2025	1032		x	T- 308	879	1		x		x	x	x	x	x	-29	0	36
	11/12/2025	1222		x	T- 309	885	1		x		x	x	x	x	x	-29	0	37
	11/12/2025	1226		x	T- 310	551	1		x		x	x	x	x	x	-29	0	38
	11/12/2025	1138		x	T- 311	613	1		x		x	x	x	x	x	-29	0	39
	11/12/2025	1152		x	T- 312	756	1		x		x	x	x	x	x	-29	0	40
	11/12/2025	1157		x	T- 313	764	1		x		x	x	x	x	x	-29	0	41
	11/12/2025	1200		x	T- 314	608	1		x		x	x	x	x	x	-29	0	42

Sampler: CESchmidt	Date/Time: 11/12/25 1300	Relinquished by: CESchmidt	Date/Time: 11/12/25 1850
Recieved by: BMS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 11/12/2025 1700	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

000233 of 001148

CE Schmidt, Ph.D., Environmental Consultant — **TO-15 Day 4**

Chain of Custody Record

| | | |

CE Schmidt, Ph.D., Environmental Consultant — **TO-15 Day 5**

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: SCS / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	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*

Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*

Laboratory Phone: *805-781-3585*

Laboratory Contact: *Dr. Steve Hoyt, stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis 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
	11/25/2025	734		x	T- 501	703	1		x		x	x	x	x	x	-29	8	57
	11/25/2025	738		x	T- 502	537	1		x		x	x	x	x	x	-29	0	58
	11/25/2025	731		x	T- 503	553	1		x		x	x	x	x	x	-29	0	59
	11/25/2025	738		x	T- 504	708	1		x		x	x	x	x	x	-29	0	60
	11/25/2025	957		x	T- 505	905	1		x		x	x	x	x	x	-29	0	61
	11/25/2025	858		x	T- 506	698	1		x		x	x	x	x	x	-29	0	62
	11/25/2025	856		x	T- 507	768	1		x		x	x	x	x	x	-29	0	63
	11/25/2025	953		x	T- 508	860	1		x		x	x	x	x	x	-29	0	64
	11/25/2025	1011		x	T- 509	750	1		x		x	x	x	x	x	-29	0	65
	11/25/2025	1011		x	T- 510	692	1		x		x	x	x	x	x	-29	0	66
	11/25/2025	1017		x	T- 511	766	1		x		x	x	x	x	x	-29	0	67
	11/25/2025	1024		x	T- 512	897	1		x		x	x	x	x	x	-29	0	68
	11/25/2025	1020		x	T- 513	647	1		x		x	x	x	x	x	-29	0	69
	11/25/2025	1101		x	T- 514	700	1		x		x	x	x	x	x	-29	0	70

Sampler: CE SCHMIDT	Date/Time: 11/25/25 1200	Relinquished by: CE SCHMIDT	Date/Time: 11/25/25 1200
Recieved by: EAS	Date/Time: 11/25/25 16:30	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: [illegible]	Date/Time: 11/25/25 16:30	Sample Shipped Via: UPS FEDEX BUS Other	

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ana Req; Cust Seal; Sample Condition

Remarks

000235 of 001148

CE Schmidt, Ph.D.
Environmental Consultant
Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT C

LABORATORY REPORTS

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

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon Landfill

EAS SDG Number: 225311

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 11/10,11/11,11/1
Received Date: 11/12/2025
Report Date: 1/2/2026

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 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: 225311
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 11/12/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	225311 1	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-101	225311 1	ASTM D3416 Low Level Methane	11/10/2025
T-101	225311 1	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-101	225311 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-101	225311 1	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-102	225311 2	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-102	225311 2	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-102	225311 2	ASTM D3416 Low Level Methane	11/10/2025
T-102	225311 2	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-102	225311 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-103	225311 3	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-103	225311 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-103	225311 3	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-103	225311 3	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-103	225311 3	ASTM D3416 Low Level Methane	11/10/2025
T-104	225311 4	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-104	225311 4	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-104	225311 4	ASTM D3416 Low Level Methane	11/10/2025
T-104	225311 4	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-104	225311 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-105	225311 5	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-105	225311 5	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-105	225311 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	225311 5	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-105	225311 5	ASTM D3416 Low Level Methane	11/10/2025
T-106	225311 6	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-106	225311 6	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-106	225311 6	ASTM D3416 Low Level Methane	11/10/2025
T-106	225311 6	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-106	225311 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-107	225311 7	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-107	225311 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-107	225311 7	ASTM D3416 Low Level Methane	11/10/2025
T-107	225311 7	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-107	225311 7	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-108	225311 8	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-108	225311 8	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-108	225311 8	ASTM D3416 Low Level Methane	11/10/2025
T-108	225311 8	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-108	225311 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-109	225311 9	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-109	225311 9	ASTM D3416 Low Level Methane	11/10/2025
T-109	225311 9	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-109	225311 9	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-109	225311 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-110	225311 10	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-110	225311 10	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-110	225311 10	ASTM D3416 Low Level Methane	11/10/2025
T-110	225311 10	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-110	225311 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-111	225311 11	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-111	225311 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-111	225311 11	ASTM D3416 Low Level Methane	11/10/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	225311 11	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-111	225311 11	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-112	225311 12	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-112	225311 12	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-112	225311 12	ASTM D3416 Low Level Methane	11/10/2025
T-112	225311 12	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-112	225311 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-113	225311 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-113	225311 13	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-113	225311 13	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-113	225311 13	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-113	225311 13	ASTM D3416 Low Level Methane	11/10/2025
T-114	225311 14	ASTM D1945 Hydrogen Confirmation	11/10/2025
T-114	225311 14	ASTM D1945 Permanent Gas Analysis	11/10/2025
T-114	225311 14	ASTM D3416 Low Level Methane	11/10/2025
T-114	225311 14	EPA TO-12 C2 to C12 CRYO	11/10/2025
T-114	225311 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/10/2025
T-201	225311 15	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-201	225311 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-201	225311 15	ASTM D3416 Low Level Methane	11/11/2025
T-201	225311 15	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-201	225311 15	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-202	225311 16	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-202	225311 16	ASTM D3416 Low Level Methane	11/11/2025
T-202	225311 16	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-202	225311 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-202	225311 16	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-203	225311 17	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-203	225311 17	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-203	225311 17	ASTM D3416 Low Level Methane	11/11/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	225311 17	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-203	225311 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-204	225311 18	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-204	225311 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-204	225311 18	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-204	225311 18	ASTM D3416 Low Level Methane	11/11/2025
T-204	225311 18	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-205	225311 19	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-205	225311 19	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-205	225311 19	ASTM D3416 Low Level Methane	11/11/2025
T-205	225311 19	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-205	225311 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-206	225311 20	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-206	225311 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-206	225311 20	ASTM D3416 Low Level Methane	11/11/2025
T-206	225311 20	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-206	225311 20	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-207	225311 21	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-207	225311 21	ASTM D3416 Low Level Methane	11/11/2025
T-207	225311 21	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-207	225311 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-207	225311 21	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-208	225311 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-208	225311 22	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-208	225311 22	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-208	225311 22	ASTM D3416 Low Level Methane	11/11/2025
T-208	225311 22	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-209	225311 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-209	225311 23	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-209	225311 23	ASTM D1945 Hydrogen Confirmation	11/11/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	225311 23	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-209	225311 23	ASTM D3416 Low Level Methane	11/11/2025
T-210	225311 24	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-210	225311 24	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-210	225311 24	ASTM D3416 Low Level Methane	11/11/2025
T-210	225311 24	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-210	225311 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-211	225311 25	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-211	225311 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-211	225311 25	ASTM D3416 Low Level Methane	11/11/2025
T-211	225311 25	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-211	225311 25	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-212	225311 26	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-212	225311 26	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-212	225311 26	ASTM D3416 Low Level Methane	11/11/2025
T-212	225311 26	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-212	225311 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-213	225311 27	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-213	225311 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-213	225311 27	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-213	225311 27	ASTM D3416 Low Level Methane	11/11/2025
T-213	225311 27	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-214	225311 28	ASTM D1945 Hydrogen Confirmation	11/11/2025
T-214	225311 28	ASTM D1945 Permanent Gas Analysis	11/11/2025
T-214	225311 28	ASTM D3416 Low Level Methane	11/11/2025
T-214	225311 28	EPA TO-12 C2 to C12 CRYO	11/11/2025
T-214	225311 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/11/2025
T-301	225311 29	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-301	225311 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-301	225311 29	ASTM D3416 Low Level Methane	11/12/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	225311 29	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-301	225311 29	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-302	225311 30	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-302	225311 30	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-302	225311 30	ASTM D3416 Low Level Methane	11/12/2025
T-302	225311 30	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-302	225311 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-303	225311 31	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-303	225311 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-303	225311 31	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-303	225311 31	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-303	225311 31	ASTM D3416 Low Level Methane	11/12/2025
T-304	225311 32	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-304	225311 32	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-304	225311 32	ASTM D3416 Low Level Methane	11/12/2025
T-304	225311 32	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-304	225311 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-305	225311 33	ASTM D3416 Low Level Methane	11/12/2025
T-305	225311 33	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-305	225311 33	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-305	225311 33	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-305	225311 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-306	225311 34	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-306	225311 34	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-306	225311 34	ASTM D3416 Low Level Methane	11/12/2025
T-306	225311 34	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-306	225311 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-307	225311 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-307	225311 35	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-307	225311 35	ASTM D1945 Permanent Gas Analysis	11/12/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	225311 35	ASTM D3416 Low Level Methane	11/12/2025
T-307	225311 35	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-308	225311 36	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-308	225311 36	ASTM D3416 Low Level Methane	11/12/2025
T-308	225311 36	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-308	225311 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-308	225311 36	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-309	225311 37	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-309	225311 37	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-309	225311 37	ASTM D3416 Low Level Methane	11/12/2025
T-309	225311 37	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-309	225311 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-310	225311 38	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-310	225311 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-310	225311 38	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-310	225311 38	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-310	225311 38	ASTM D3416 Low Level Methane	11/12/2025
T-311	225311 39	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-311	225311 39	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-311	225311 39	ASTM D3416 Low Level Methane	11/12/2025
T-311	225311 39	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-311	225311 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-312	225311 40	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-312	225311 40	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-312	225311 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-312	225311 40	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-312	225311 40	ASTM D3416 Low Level Methane	11/12/2025
T-313	225311 41	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-313	225311 41	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-313	225311 41	ASTM D3416 Low Level Methane	11/12/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	225311 41	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-313	225311 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-314	225311 42	ASTM D1945 Permanent Gas Analysis	11/12/2025
T-314	225311 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/12/2025
T-314	225311 42	ASTM D3416 Low Level Methane	11/12/2025
T-314	225311 42	ASTM D1945 Hydrogen Confirmation	11/12/2025
T-314	225311 42	EPA TO-12 C2 to C12 CRYO	11/12/2025
T-401	225311 43	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-401	225311 43	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-401	225311 43	ASTM D3416 Low Level Methane	11/24/2025
T-401	225311 43	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-401	225311 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-402	225311 44	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-402	225311 44	ASTM D3416 Low Level Methane	11/24/2025
T-402	225311 44	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-402	225311 44	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-402	225311 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-403	225311 45	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-403	225311 45	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-403	225311 45	ASTM D3416 Low Level Methane	11/24/2025
T-403	225311 45	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-403	225311 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-404	225311 46	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-404	225311 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-404	225311 46	ASTM D3416 Low Level Methane	11/24/2025
T-404	225311 46	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-404	225311 46	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-405	225311 47	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-405	225311 47	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-405	225311 47	ASTM D3416 Low Level Methane	11/24/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	225311 47	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-405	225311 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-406	225311 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-406	225311 48	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-406	225311 48	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-406	225311 48	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-406	225311 48	ASTM D3416 Low Level Methane	11/24/2025
T-407	225311 49	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-407	225311 49	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-407	225311 49	ASTM D3416 Low Level Methane	11/24/2025
T-407	225311 49	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-407	225311 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-408	225311 50	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-408	225311 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-408	225311 50	ASTM D3416 Low Level Methane	11/24/2025
T-408	225311 50	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-408	225311 50	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-409	225311 51	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-409	225311 51	ASTM D3416 Low Level Methane	11/24/2025
T-409	225311 51	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-409	225311 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-409	225311 51	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-410	225311 52	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-410	225311 52	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-410	225311 52	ASTM D3416 Low Level Methane	11/24/2025
T-410	225311 52	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-410	225311 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-411	225311 53	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-411	225311 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-411	225311 53	ASTM D3416 Low Level Methane	11/24/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	225311 53	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-411	225311 53	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-412	225311 54	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-412	225311 54	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-412	225311 54	ASTM D3416 Low Level Methane	11/24/2025
T-412	225311 54	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-412	225311 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-413	225311 55	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-413	225311 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-413	225311 55	ASTM D3416 Low Level Methane	11/24/2025
T-413	225311 55	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-413	225311 55	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-414	225311 56	ASTM D1945 Permanent Gas Analysis	11/24/2025
T-414	225311 56	ASTM D3416 Low Level Methane	11/24/2025
T-414	225311 56	EPA TO-12 C2 to C12 CRYO	11/24/2025
T-414	225311 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/24/2025
T-414	225311 56	ASTM D1945 Hydrogen Confirmation	11/24/2025
T-501	225311 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-501	225311 57	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-501	225311 57	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-501	225311 57	ASTM D3416 Low Level Methane	11/25/2025
T-501	225311 57	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-502	225311 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-502	225311 58	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-502	225311 58	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-502	225311 58	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-502	225311 58	ASTM D3416 Low Level Methane	11/25/2025
T-503	225311 59	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-503	225311 59	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-503	225311 59	ASTM D3416 Low Level Methane	11/25/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	225311 59	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-503	225311 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-504	225311 60	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-504	225311 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-504	225311 60	ASTM D3416 Low Level Methane	11/25/2025
T-504	225311 60	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-504	225311 60	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-505	225311 61	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-505	225311 61	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-505	225311 61	ASTM D3416 Low Level Methane	11/25/2025
T-505	225311 61	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-505	225311 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-506	225311 62	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-506	225311 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-506	225311 62	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-506	225311 62	ASTM D3416 Low Level Methane	11/25/2025
T-506	225311 62	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-507	225311 63	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-507	225311 63	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-507	225311 63	ASTM D3416 Low Level Methane	11/25/2025
T-507	225311 63	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-507	225311 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-508	225311 64	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-508	225311 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-508	225311 64	ASTM D3416 Low Level Methane	11/25/2025
T-508	225311 64	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-508	225311 64	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-509	225311 65	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-509	225311 65	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-509	225311 65	ASTM D3416 Low Level Methane	11/25/2025

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	225311 65	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-509	225311 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-510	225311 66	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-510	225311 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-510	225311 66	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-510	225311 66	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-510	225311 66	ASTM D3416 Low Level Methane	11/25/2025
T-511	225311 67	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-511	225311 67	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-511	225311 67	ASTM D3416 Low Level Methane	11/25/2025
T-511	225311 67	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-511	225311 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-512	225311 68	ASTM D3416 Low Level Methane	11/25/2025
T-512	225311 68	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-512	225311 68	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-512	225311 68	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-512	225311 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-513	225311 69	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-513	225311 69	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-513	225311 69	ASTM D3416 Low Level Methane	11/25/2025
T-513	225311 69	EPA TO-12 C2 to C12 CRYO	11/25/2025
T-513	225311 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-514	225311 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	11/25/2025
T-514	225311 70	ASTM D1945 Hydrogen Confirmation	11/25/2025
T-514	225311 70	ASTM D1945 Permanent Gas Analysis	11/25/2025
T-514	225311 70	ASTM D3416 Low Level Methane	11/25/2025
T-514	225311 70	EPA TO-12 C2 to C12 CRYO	11/25/2025

Project Sample Media

SDG Number: 225311

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 pessurized 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
225311	1	T-101	656		679	679	1.00
225311	2	T-102	701		710	710	1.00
225311	3	T-103	694		670	670	1.00
225311	4	T-104	896		678	678	1.00
225311	5	T-105	882		671	671	1.00
225311	6	T-106	706		680	680	1.00
225311	7	T-107	603		676	676	1.00
225311	8	T-108	729		674	674	1.00
225311	9	T-109	800		689	689	1.00
225311	10	T-110	846		679	679	1.00
225311	11	T-111	802		685	685	1.00
225311	12	T-112	629		671	671	1.00
225311	13	T-113	881		683	683	1.00
225311	14	T-114	771		717	717	1.00
225311	15	T-201	801		708	708	1.00
225311	16	T-202	618		690	690	1.00
225311	17	T-203	727		681	681	1.00
225311	18	T-204	409		693	693	1.00
225311	19	T-205	779		681	681	1.00
225311	20	T-206	509		665	665	1.00
225311	21	T-207	605		689	689	1.00
225311	22	T-208	699		679	679	1.00
225311	23	T-209	638		680	680	1.00
225311	24	T-210	672		677	677	1.00
225311	25	T-211	687		651	651	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
225311	26	T-212	778		692	692	1.00
225311	27	T-213	631		684	684	1.00
225311	28	T-214	791		715	715	1.00
225311	29	T-301	990		706	706	1.00
225311	30	T-302	899		683	683	1.00
225311	31	T-303	785		716	716	1.00
225311	32	T-304	503		703	703	1.00
225311	33	T-305	642		728	728	1.00
225311	34	T-306	878		717	717	1.00
225311	35	T-307	548		700	700	1.00
225311	36	T-308	879		702	702	1.00
225311	37	T-309	885		707	707	1.00
225311	38	T-310	551		752	752	1.00
225311	39	T-311	673		703	703	1.00
225311	40	T-312	756		706	706	1.00
225311	41	T-313	764		700	700	1.00
225311	42	T-314	608		722	722	1.00
225311	43	T-401	714		714	848	1.19
225311	44	T-402	182		710	847	1.19
225311	45	T-403	664		712	847	1.19
225311	46	T-404	837		717	846	1.18
225311	47	T-405	852		683	850	1.24
225311	48	T-406	634		703	847	1.20
225311	49	T-407	417		690	850	1.23
225311	50	T-408	653		696	849	1.22
225311	51	T-409	655		687	852	1.24
225311	52	T-410	849		687	847	1.23
225311	53	T-411	859		690	851	1.23
225311	54	T-412	534		714	847	1.19
225311	55	T-413	502		644	848	1.32
225311	56	T-414	739		732	850	1.16
225311	57	T-501	703		714	848	1.19
225311	58	T-502	537		725	852	1.18

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
225311	59	T-503	553		716	857	1.20
225311	60	T-504	708		702	853	1.22
225311	61	T-505	505		686	850	1.24
225311	62	T-506	698		709	853	1.20
225311	63	T-507	768		691	851	1.23
225311	64	T-508	860		708	849	1.20
225311	65	T-509	750		645	875	1.36
225311	66	T-510	692		707	822	1.16
225311	67	T-511	766		696	882	1.27
225311	68	T-512	897		688	840	1.22
225311	69	T-513	647		733	858	1.17
225311	70	T-514	700		730	884	1.21

Laboratory Case Narrative

EAS SDG Number: 225311 **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 Analytyical 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: 1/2/2026

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

CE Schmidt, Ph.D., Environmental Consultant 17807 **TO-15 Day 1**

Chain of Custody Record

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CE Schmidt, Ph.D., Environmental Consultant — **TO-15 Day 2**

Chain of Custody Record

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CE Schmidt, Ph. – Environmental Consultant TO-15 Day 3

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*
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 Name: *EAS*
Project Manager: *Pat Sullivan*		Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*
Requested Completion Date		Laboratory Phone: *805-781-3585*
		Laboratory Contact: *Dr. Steve Hoyt, stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis 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
	11/12/2025	929		x	T- 301	490	1		x		x	x	x	x	x	-29	0	29
	11/12/2025	932		x	T- 302	884	1		x		x	x	x	x	x	-29	0	30
	11/12/2025	935		x	T- 303	785	1		x		x	x	x	x	x	-29	0	31
	11/12/2025	941		x	T- 304	503	1		x		x	x	x	x	x	-29	0	32
	11/12/2025	1046		x	T- 305	642	1		x		x	x	x	x	x	-29	0	33
	11/12/2025	1041		x	T- 306	878	1		x		x	x	x	x	x	-29	0	34
	11/12/2025	1041		x	T- 307	548	1		x		x	x	x	x	x	-29	0	35
	11/12/2025	1032		x	T- 308	879	1		x		x	x	x	x	x	-29	0	36
	11/12/2025	1222		x	T- 309	885	1		x		x	x	x	x	x	-29	0	37
	11/12/2025	1226		x	T- 310	551	1		x		x	x	x	x	x	-29	0	38
	11/12/2025	1138		x	T- 311	613	1		x		x	x	x	x	x	-29	0	39
	11/12/2025	1152		x	T- 312	756	1		x		x	x	x	x	x	-29	0	40
	11/12/2025	1157		x	T- 313	764	1		x		x	x	x	x	x	-29	0	41
	11/12/2025	1200		x	T- 314	608	1		x		x	x	x	x	x	-29	0	42

Sampler: CESchmidt	Date/Time: 11/12/25 1300	Relinquished by: CESchmidt	Date/Time: 11/12/25 1850
Recieved by: BMS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 11/12/2025 1700	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

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CE Schmidt, Ph.D., Environmental Consultant TO-15 Day 4

Chain of Custody Record

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CE Schmidt, Ph.D. Environmental Consultant — **TO-15 Day 5**

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: SCS / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	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*

Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*

Laboratory Phone: *805-781-3585*

Laboratory Contact: *Dr. Steve Hoyt, stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis 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
	11/25/2025	734		x	T- 501	703	1		x		x	x	x	x	x	-29	0	57
	11/25/2025	738		x	T- 502	537	1		x		x	x	x	x	x	-29	0	58
	11/25/2025	731		x	T- 503	553	1		x		x	x	x	x	x	-29	0	59
	11/25/2025	738		x	T- 504	708	1		x		x	x	x	x	x	-29	0	60
	11/25/2025	957		x	T- 505	505	1		x		x	x	x	x	x	-29	0	61
	11/25/2025	858		x	T- 506	698	1		x		x	x	x	x	x	-29	0	62
	11/25/2025	856		x	T- 507	768	1		x		x	x	x	x	x	-29	0	63
	11/25/2025	953		x	T- 508	860	1		x		x	x	x	x	x	-29	0	64
	11/25/2025	1011		x	T- 509	750	1		x		x	x	x	x	x	-29	0	65
	11/25/2025	1017		x	T- 510	692	1		x		x	x	x	x	x	-29	0	66
	11/25/2025	1012		x	T- 511	766	1		x		x	x	x	x	x	-29	0	67
	11/25/2025	1024		x	T- 512	897	1		x		x	x	x	x	x	-29	0	68
	11/25/2025	1020		x	T- 513	647	1		x		x	x	x	x	x	-29	0	69
	11/25/2025	1101		x	T- 514	700	1		x		x	x	x	x	x	-29	0	70

Sampler: CE SCHMIDT	Date/Time: 11/25/25 1200	Relinquished by: CE SCHMIDT	Date/Time: 11/25/25 1200
Recieved by: EAS	Date/Time: 11/25/25 16:30	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: [illegible]	Date/Time: 11/25/25 16:30	Sample Shipped Via: UPS FEDEX BUS Other	

Remarks

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

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Quality Control Report

EAS SDG Number: 225311

Project Number: 17807

QC Narrative

Samples were anlayzed 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 then the referrenced 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 then 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: B11175

File Name: B11175D.D
Description: METHOD BLANK
Canister:
QC_Batch: 111725-MA1

Date Sampled: **Time:**
Date Analyzed: 11/17/2025 **Time:** 11:17
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	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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	104	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: B11175

File Name: B11175D.D
Description METHOD BLANK
Canister:
QC_Batch: 111725-MA1

Date Sampled: **Time:**
Date Analyzed: 11/17/2025 **Time:** 11:17
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
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11175

File Name: LABQC
Description METHOD BLANK
Canister:
QC_Batch: 111725-MA1

Date Sampled:
Date Analyzed: 11/17/2025
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 11:17

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 St
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 approxim
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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11185

File Name: B11185C.D
Description: METHOD BLANK
Canister:
QC_Batch: 111825-MA1

Date Sampled: **Time:**
Date Analyzed: 11/18/2025 **Time:** 13:21
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 Limits LCL	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: B11185

File Name: B11185C.D
Description METHOD BLANK
Canister:
QC_Batch: 111825-MA1

Date Sampled: **Time:**
Date Analyzed: 11/18/2025 **Time:** 13:21
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	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11185

File Name: LABQC
Description METHOD BLANK
Canister:
QC_Batch: 111825-MA1

Date Sampled:
Date Analyzed: 11/18/2025
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 13:21

TIC Compounc	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 Stanc
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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11205

File Name: B11205D.D
Description: METHOD BLANK
Canister:
QC_Batch: 112025-MA1

Date Sampled: **Time:**
Date Analyzed: 11/20/2025 **Time:** 12:46
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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	108	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: B11205

File Name: B11205D.D
Description METHOD BLANK
Canister:
QC_Batch: 112025-MA1

Date Sampled:
Date Analyzed: 11/20/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 12:46

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	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11205

File Name: LABQC
Description METHOD BLANK
Canister:
QC_Batch: 112025-MA1

Date Sampled:
Date Analyzed: 11/20/2025
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 12:46

TIC Compour	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 Sta
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 approxima
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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11255

File Name: B11255C.D
Description: METHOD BLANK
Canister:
QC_Batch: 112525-MA1

Date Sampled: **Time:**
Date Analyzed: 11/25/2025 **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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	110	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: B11255

File Name: B11255C.D
Description METHOD BLANK
Canister:
QC_Batch: 112525-MA1

Date Sampled: **Time:**
Date Analyzed: 11/25/2025 **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
75-37-6	1,1-Difluoroethane	0.83	1.00	ND	2.25	2.71	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B11255

File Name: LABQC
Description METHOD BLANK
Canister:
QC_Batch: 112525-MA1

Date Sampled:
Date Analyzed: 11/25/2025
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 16:48

TIC Compoun	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 Stan
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 approximat
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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12185

File Name: B12185D.D
Description: METHOD BLANK
Canister:
QC_Batch: 121825-MA1

Date Sampled: **Time:**
Date Analyzed: 12/18/2025 **Time:** 11:16
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 Limits LCL	QC 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: B12185

File Name: B12185D.D
Description METHOD BLANK
Canister:
QC_Batch: 121825-MA1

Date Sampled:
Date Analyzed: 12/18/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 11:16

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	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12185

File Name: LABQC
Description: METHOD BLANK
Canister:
QC_Batch: 121825-MA1

Date Sampled:
Date Analyzed: ########
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 11:16

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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12195

File Name: B12195D.D
Description: METHOD BLANK
Canister:
QC_Batch: 121925-MA1

Date Sampled: **Time:**
Date Analyzed: 12/19/2025 **Time:** 12:19
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	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: B12195

File Name: B12195D.D
Description METHOD BLANK
Canister:
QC_Batch: 121925-MA1

Date Sampled:
Date Analyzed: 12/19/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 12:19

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	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12195

File Name: LABQC
Description: METHOD BLANK
Canister:
QC_Batch: 121925-MA1

Date Sampled:
Date Analyzed: ########
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 12:19

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.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12225

File Name: B12225D.D
Description: METHOD BLANK
Canister:
QC_Batch: 122225-MA1

Date Sampled: **Time:**
Date Analyzed: 12/22/2025 **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	% Rec.	QC Limits LCL	QC 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: B12225

File Name: B12225D.D
Description METHOD BLANK
Canister:
QC_Batch: 122225-MA1

Date Sampled:
Date Analyzed: 12/22/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 16:11

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	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B12225

File Name: LABQC
Description: METHOD BLANK
Canister:
QC_Batch: 122225-MA1

Date Sampled:
Date Analyzed: ########
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

Time:
Time: 16:11

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.

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 111725-MA1
Date: 11/17/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	92		113		70	130	20	25	
75-35-4	1,1-Dichloroethene	91		82		70	130	10	25	
75-09-2	Dichloromethane	93		83		70	130	12	25	
75-34-3	1,1-Dichloroethane	95		96		70	130	1	25	
67-66-3	Chloroform	93		99		70	130	6	25	
71-55-6	1,1,1-Trichloroethane	101		106		70	130	6	25	
107-06-2	1,2-Dichloroethane	97		99		70	130	2	25	
71-43-2	Benzene	97		102		70	130	4	25	
56-23-5	Carbon tetrachloride	99		106		70	130	7	25	
79-01-6	Trichloroethene	98		102		70	130	3	25	
108-88-3	Toluene	99		102		70	130	3	25	
106-93-4	1,2-Dibromoethane	91		99		70	130	8	25	
127-18-4	Tetrachloroethene	100		106		70	130	5	25	
100-41-4	Ethylbenzene	95		94		70	130	1	25	
1330-20-7	m,p-Xylenes	97		94		70	130	3	25	
95-47-6	o-Xylene	99		95		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	100		92		70	130	9	25	
95-63-6	1,2,4-Trimethylbenzene	94		98		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: 111825-MA1
Date: 11/18/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	88		88		70	130	0	25	
75-35-4	1,1-Dichloroethene	88		83		70	130	6	25	
75-09-2	Dichloromethane	92		90		70	130	2	25	
75-34-3	1,1-Dichloroethane	91		91		70	130	0	25	
67-66-3	Chloroform	93		97		70	130	4	25	
71-55-6	1,1,1-Trichloroethane	99		102		70	130	3	25	
107-06-2	1,2-Dichloroethane	96		93		70	130	3	25	
71-43-2	Benzene	102		102		70	130	0	25	
56-23-5	Carbon tetrachloride	102		109		70	130	6	25	
79-01-6	Trichloroethene	100		102		70	130	3	25	
108-88-3	Toluene	100		98		70	130	2	25	
106-93-4	1,2-Dibromoethane	87		92		70	130	6	25	
127-18-4	Tetrachloroethene	108		113		70	130	5	25	
100-41-4	Ethylbenzene	100		99		70	130	0	25	
1330-20-7	m,p-Xylenes	99		98		70	130	2	25	
95-47-6	o-Xylene	99		99		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	93		98		70	130	4	25	
95-63-6	1,2,4-Trimethylbenzene	93		93		70	130	0	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: 112025-MA1
Date: 11/20/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	98		92		70	130	6	25	
75-35-4	1,1-Dichloroethene	94		93		70	130	0	25	
75-09-2	Dichloromethane	97		95		70	130	3	25	
75-34-3	1,1-Dichloroethane	97		99		70	130	1	25	
67-66-3	Chloroform	94		102		70	130	8	25	
71-55-6	1,1,1-Trichloroethane	95		100		70	130	5	25	
107-06-2	1,2-Dichloroethane	94		101		70	130	7	25	
71-43-2	Benzene	99		106		70	130	6	25	
56-23-5	Carbon tetrachloride	91		92		70	130	1	25	
79-01-6	Trichloroethene	97		101		70	130	4	25	
108-88-3	Toluene	107		101		70	130	6	25	
106-93-4	1,2-Dibromoethane	88		94		70	130	6	25	
127-18-4	Tetrachloroethene	107		106		70	130	2	25	
100-41-4	Ethylbenzene	102		100		70	130	2	25	
1330-20-7	m,p-Xylenes	103		99		70	130	4	25	
95-47-6	o-Xylene	101		100		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	101		95		70	130	6	25	
95-63-6	1,2,4-Trimethylbenzene	97		92		70	130	6	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: 112525-MA1
Date: 11/25/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	120		109		70	130	10	25	
75-35-4	1,1-Dichloroethene	104		98		70	130	6	25	
75-09-2	Dichloromethane	110		115		70	130	5	25	
75-34-3	1,1-Dichloroethane	106		109		70	130	3	25	
67-66-3	Chloroform	105		105		70	130	0	25	
71-55-6	1,1,1-Trichloroethane	104		101		70	130	3	25	
107-06-2	1,2-Dichloroethane	101		95		70	130	6	25	
71-43-2	Benzene	104		105		70	130	0	25	
56-23-5	Carbon tetrachloride	89		88		70	130	2	25	
79-01-6	Trichloroethene	102		99		70	130	3	25	
108-88-3	Toluene	100		102		70	130	2	25	
106-93-4	1,2-Dibromoethane	86		90		70	130	5	25	
127-18-4	Tetrachloroethene	101		102		70	130	2	25	
100-41-4	Ethylbenzene	94		93		70	130	1	25	
1330-20-7	m,p-Xylenes	97		93		70	130	4	25	
95-47-6	o-Xylene	97		93		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	93		95		70	130	2	25	
95-63-6	1,2,4-Trimethylbenzene	97		95		70	130	3	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: 121825-MA1
Date: 12/18/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	99		100		70	130	0	25	
75-35-4	1,1-Dichloroethene	117		116		70	130	1	25	
75-09-2	Dichloromethane	109		111		70	130	2	25	
75-34-3	1,1-Dichloroethane	114		113		70	130	0	25	
67-66-3	Chloroform	111		111		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	119		122		70	130	3	25	
107-06-2	1,2-Dichloroethane	117		126		70	130	8	25	
71-43-2	Benzene	112		114		70	130	1	25	
56-23-5	Carbon tetrachloride	114		116		70	130	2	25	
79-01-6	Trichloroethene	107		111		70	130	4	25	
108-88-3	Toluene	112		115		70	130	2	25	
106-93-4	1,2-Dibromoethane	99		109		70	130	10	25	
127-18-4	Tetrachloroethene	119		123		70	130	3	25	
100-41-4	Ethylbenzene	122		123		70	130	1	25	
1330-20-7	m,p-Xylenes	122		119		70	130	2	25	
95-47-6	o-Xylene	122		125		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	95		100		70	130	6	25	
95-63-6	1,2,4-Trimethylbenzene	113		114		70	130	1	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: 121925-MA1
Date: 12/19/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	96		100		70	130	3	25	
75-35-4	1,1-Dichloroethene	118		116		70	130	2	25	
75-09-2	Dichloromethane	107		111		70	130	3	25	
75-34-3	1,1-Dichloroethane	113		113		70	130	0	25	
67-66-3	Chloroform	110		111		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	119		122		70	130	3	25	
107-06-2	1,2-Dichloroethane	120		126		70	130	5	25	
71-43-2	Benzene	113		114		70	130	1	25	
56-23-5	Carbon tetrachloride	104		116		70	130	11	25	
79-01-6	Trichloroethene	111		111		70	130	0	25	
108-88-3	Toluene	110		115		70	130	4	25	
106-93-4	1,2-Dibromoethane	96		109		70	130	13	25	
127-18-4	Tetrachloroethene	116		123		70	130	6	25	
100-41-4	Ethylbenzene	120		123		70	130	3	25	
1330-20-7	m,p-Xylenes	119		119		70	130	0	25	
95-47-6	o-Xylene	118		125		70	130	5	25	
108-67-8	1,3,5-Trimethylbenzene	88		100		70	130	14	25	
95-63-6	1,2,4-Trimethylbenzene	102		114		70	130	11	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: 122225-MA1
Date: 12/22/2025

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	102		106		70	130	4	25	
75-35-4	1,1-Dichloroethene	120		103		70	130	15	25	
75-09-2	Dichloromethane	110		93		70	130	17	25	
75-34-3	1,1-Dichloroethane	119		105		70	130	12	25	
67-66-3	Chloroform	110		105		70	130	4	25	
71-55-6	1,1,1-Trichloroethane	115		105		70	130	9	25	
107-06-2	1,2-Dichloroethane	122		109		70	130	11	25	
71-43-2	Benzene	115		113		70	130	2	25	
56-23-5	Carbon tetrachloride	83		71		70	130	14	25	
79-01-6	Trichloroethene	109		101		70	130	7	25	
108-88-3	Toluene	112		102		70	130	9	25	
106-93-4	1,2-Dibromoethane	103		95		70	130	8	25	
127-18-4	Tetrachloroethene	114		102		70	130	10	25	
100-41-4	Ethylbenzene	120		100		70	130	18	25	
1330-20-7	m,p-Xylenes	116		102		70	130	13	25	
95-47-6	o-Xylene	115		101		70	130	13	25	
108-67-8	1,3,5-Trimethylbenzene	88		78		70	130	12	25	
95-63-6	1,2,4-Trimethylbenzene	103		87		70	130	17	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number: 225311

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 then 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 then 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 x MW/24.46 where 24.26 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

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 01

File Name: 2531101A.D
Description: T-101
Canister: 656
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:25
Date Analyzed: 11/17/2025 **Time:** 14:51
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	27.93	0.57	1.44	48.14	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	27.02	2.18	2.62	35.41	
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	10.61	3.97	4.76	25.25	
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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	112	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 01

File Name: 2531101A.D
Description T-101
Canister: 656
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:25
Date Analyzed: 11/17/2025 **Time:** 14:51
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	134.05	2.25	2.71	362.61	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 01

File Name: 225311
Description T-101
Canister: 656
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:25
Date Analyzed: 11/17/2025 **Time:** 14:51
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

	TIC Compour	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 Stan
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 approximat
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: 225311
Laboratory ID: 02

File Name: 2531102A.D
Description: T-102
Canister: 701
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:09
Date Analyzed: 11/17/2025 **Time:** 15:28
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	37.81	0.57	1.44	65.17	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	34.45	2.18	2.62	45.15	
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	13.01	3.97	4.76	30.95	
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	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	0.65	0.45	4.48	3.49	J
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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	109	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 02

File Name: 2531102A.D
Description T-102
Canister: 701
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:09
Date Analyzed: 11/17/2025 **Time:** 15:28
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
75-37-6	1,1-Difluoroethane	0.83	1.00	179.52	2.25	2.71	485.62	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 02

File Name: 225311
Description T-102
Canister: 701
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:09
Date Analyzed: 11/17/2025 **Time:** 15:28
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stan
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 approximat
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: 225311
Laboratory ID: 03

File Name: 2531103A.D
Description: T-103
Canister: 694
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:29
Date Analyzed: 11/17/2025 **Time:** 17:51
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	38.34	2.18	2.62	50.25	
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	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	17.97	3.97	4.76	42.76	
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	3.62	0.50	2.95	10.70	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	116	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 03**

File Name: 2531103A.D **Date Sampled:** 11/10/2025 **Time:** 10:29
Description T-103 **Date Analyzed:** 11/17/2025 **Time:** 17:51
Canister: 694 **Can Dilution Factor:** 1.00
QC_Batch: 111725-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	68.65	2.25	2.71	185.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 03

File Name: 225311
Description: T-103
Canister: 694
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:29
Date Analyzed: 11/17/2025 **Time:** 17:51
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
a-Pinene	2.33	5.00	37.10	9.56	20.48	151.94

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: 225311

Analytical Method: TO-15 **Laboratory ID: 04**

File Name: 2531104A.D **Date Sampled:** 11/10/2025 **Time:** 10:29
Description: T-104 **Date Analyzed:** 11/17/2025 **Time:** 18:30
Canister: 896 **Can Dilution Factor:** 1.00
QC_Batch: 111725-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	30.45	2.18	2.62	39.91	
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	14.98	3.97	4.76	35.65	
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 Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 04**

File Name: 2531104A.D **Date Sampled:** 11/10/2025 **Time:** 10:29
Description T-104 **Date Analyzed:** 11/17/2025 **Time:** 18:30
Canister: 896 **Can Dilution Factor:** 1.00
QC_Batch: 111725-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	63.86	2.25	2.71	172.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 04

File Name: 225311
Description T-104
Canister: 896
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:29
Date Analyzed: 11/17/2025 **Time:** 18:30
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 Standar
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: 225311

Analytical Method: TO-15 **Laboratory ID: 05**

File Name: 2531105A.D
Description: T-105
Canister: 882
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:17
Date Analyzed: 11/17/2025 **Time:** 19:37
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	36.83	0.57	1.44	63.47	
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	4.84	3.97	4.76	11.51	
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	0.76	0.45	4.48	4.10	J
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 Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 05**

File Name:	2531105A.D	**Date Sampled:**	11/10/2025	**Time:**	10:17
Description	T-105	**Date Analyzed:**	11/17/2025	**Time:**	19:37
Canister:	882	**Can Dilution Factor:**	1.00		
QC_Batch:	111725-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	212.61	2.25	2.71	575.14	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 05

File Name: 225311
Description T-105
Canister: 882
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 10:17
Date Analyzed: 11/17/2025 **Time:** 19:37
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compounc	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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 06**

File Name: 2531106A.D **Date Sampled:** 11/10/2025 **Time:** 11:39
Description: T-106 **Date Analyzed:** 11/17/2025 **Time:** 20:15
Canister: 706 **Can Dilution Factor:** 1.00
QC_Batch: 111725-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	34.65	0.57	1.44	59.71	
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	0.71	0.45	4.48	3.80	J
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 06**

File Name:	2531106A.D	**Date Sampled:**	11/10/2025	**Time:**	11:39
Description	T-106	**Date Analyzed:**	11/17/2025	**Time:**	20:15
Canister:	706	**Can Dilution Factor:**	1.00		
QC_Batch:	111725-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	168.20	2.25	2.71	454.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 06

File Name: 225311
Description T-106
Canister: 706
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:39
Date Analyzed: 11/17/2025 **Time:** 20:15
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stan
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 approximat
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: 225311

Analytical Method: TO-15 **Laboratory ID: 07**

File Name: 2531107A.D
Description: T-107
Canister: 603
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:46
Date Analyzed: 11/17/2025 **Time:** 20:52
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	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	4.21	2.18	2.62	5.51	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 07

File Name: 2531107A.D
Description: T-107
Canister: 603
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:46
Date Analyzed: 11/17/2025 **Time:** 20:52
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	75.20	2.25	2.71	203.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 07

File Name: 225311
Description T-107
Canister: 603
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:46
Date Analyzed: 11/17/2025 **Time:** 20:52
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 08**

File Name: 2531108A.D
Description: T-108
Canister: 729
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:48
Date Analyzed: 11/17/2025 **Time:** 21:28
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	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 Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 08**

File Name: 2531108A.D
Description T-108
Canister: 729
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:48
Date Analyzed: 11/17/2025 **Time:** 21:28
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
75-37-6	1,1-Difluoroethane	0.83	1.00	46.72	2.25	2.71	126.38	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 08

File Name: 225311
Description T-108
Canister: 729
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 11:48
Date Analyzed: 11/17/2025 **Time:** 21:28
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 Standa
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: 225311

Analytical Method: TO-15 **Laboratory ID: 09**

File Name: 2531109A.D **Date Sampled:** 11/10/2025 **Time:** 12:48
Description: T-109 **Date Analyzed:** 11/18/2025 **Time:** 13:58
Canister: 800 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	38.96	0.57	1.44	67.15	
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	1.68	1.03	1.72	3.47	
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	3.18	3.15	20.20	6.00	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	6.26	3.97	4.76	14.88	
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	0.74	0.45	4.48	3.98	J
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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	126	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 09**

File Name: 2531109A.D **Date Sampled:** 11/10/2025 **Time:** 12:48
Description T-109 **Date Analyzed:** 11/18/2025 **Time:** 13:58
Canister: 800 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	174.43	2.25	2.71	471.85	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 09

File Name: 225311
Description T-109
Canister: 800
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:48
Date Analyzed: 11/18/2025 **Time:** 13:58
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand.
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: 225311

Analytical Method: TO-15 **Laboratory ID: 10**

File Name: 2531110A.D
Description: T-110
Canister: 846
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:49
Date Analyzed: 11/18/2025 **Time:** 14:35
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	45.97	0.57	1.44	79.23	
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	3.80	3.97	4.76	9.05	
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	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	2.07	0.82	4.08	10.14	
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	0.85	0.45	4.48	4.55	
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 Limits LCL	QC 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 10**

File Name: 2531110A.D
Description T-110
Canister: 846
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:49
Date Analyzed: 11/18/2025 **Time:** 14:35
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	200.68	2.25	2.71	542.85	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 10

File Name: 225311
Description T-110
Canister: 846
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:49
Date Analyzed: 11/18/2025 **Time:** 14:35
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311
Laboratory ID: 11

File Name: 2531111A.D
Description: T-111
Canister: 802
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:50
Date Analyzed: 11/18/2025 **Time:** 15:13
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	2.50	0.82	4.08	12.24	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	128	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 11

File Name: 2531111A.D
Description: T-111
Canister: 802
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:50
Date Analyzed: 11/18/2025 **Time:** 15:13
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	47.13	2.25	2.71	127.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 11

File Name: 225311
Description: T-111
Canister: 802
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:50
Date Analyzed: 11/18/2025 **Time:** 15:13
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stand
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: 225311
Laboratory ID: 12

File Name: 2531112A.D
Description: T-112
Canister: 629
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:37
Date Analyzed: 11/18/2025 **Time:** 15:51
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	57.35	0.57	1.44	98.83	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.64	2.18	2.62	3.46	
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	5.66	0.57	2.87	19.52	
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	1.65	2.51	3.14	6.22	
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 Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 12**

File Name: 2531112A.D **Date Sampled:** 11/10/2025 **Time:** 12:37
Description T-112 **Date Analyzed:** 11/18/2025 **Time:** 15:51
Canister: 629 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	87.08	2.25	2.71	235.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 12

File Name: 225311
Description T-112
Canister: 629
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 12:37
Date Analyzed: 11/18/2025 **Time:** 15:51
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stanc
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: 225311

Analytical Method: TO-15 **Laboratory ID: 13**

File Name: 2531113A.D **Date Sampled:** 11/10/2025 **Time:** 13:00
Description: T-113 **Date Analyzed:** 11/18/2025 **Time:** 16:28
Canister: 881 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	64.18	0.57	1.44	110.61	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.36	2.18	2.62	5.71	
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	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	5.47	0.57	2.87	18.87	
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	1.37	2.51	3.14	5.17	
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	0.38	1.45	3.62	1.64	J
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	0.46	1.45	3.62	1.98	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	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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	110	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 13**

File Name:	2531113A.D	**Date Sampled:**	11/10/2025	**Time:**	13:00
Description	T-113	**Date Analyzed:**	11/18/2025	**Time:**	16:28
Canister:	881	**Can Dilution Factor:**	1.00		
QC_Batch:	111825-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	96.83	2.25	2.71	261.93	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 13

File Name: 225311
Description T-113
Canister: 881
QC_Batch: 111825-MA1

Date Sampled: 11/10/2025 **Time:** 13:00
Date Analyzed: 11/18/2025 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stan
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 approximat
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: 225311

Analytical Method: TO-15 **Laboratory ID: 14**

File Name: 2531114A.D
Description: T-114
Canister: 771
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 13:26
Date Analyzed: 11/17/2025 **Time:** 12:43
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	41.02	0.57	1.44	70.69	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 14**

File Name: 2531114A.D **Date Sampled:** 11/10/2025 **Time:** 13:26
Description T-114 **Date Analyzed:** 11/17/2025 **Time:** 12:43
Canister: 771 **Can Dilution Factor:** 1.00
QC_Batch: 111725-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	223.49	2.25	2.71	604.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 14

File Name: 225311
Description T-114
Canister: 771
QC_Batch: 111725-MA1

Date Sampled: 11/10/2025 **Time:** 13:26
Date Analyzed: 11/17/2025 **Time:** 12:43
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compou	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 Sta
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 approxima
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: 225311

Analytical Method: TO-15 **Laboratory ID: 15**

File Name: 2531115A.D **Date Sampled:** 11/11/2025 **Time:** 10:06
Description: T-201 **Date Analyzed:** 11/18/2025 **Time:** 17:06
Canister: 801 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	22.69	0.57	1.44	39.10	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	6.37	2.18	2.62	8.35	
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	2.94	3.15	20.20	5.56	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	5.97	3.97	4.76	14.20	
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	2.91	0.98	2.95	8.59	
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	0.47	0.45	4.48	2.51	J
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	111	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 15**

File Name: 2531115A.D **Date Sampled:** 11/11/2025 **Time:** 10:06
Description T-201 **Date Analyzed:** 11/18/2025 **Time:** 17:06
Canister: 801 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	126.18	2.25	2.71	341.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 15

File Name: 225311
Description T-201
Canister: 801
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 10:06
Date Analyzed: 11/18/2025 **Time:** 17:06
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compou	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 Star
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 approximat
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: 225311

Analytical Method: TO-15 **Laboratory ID: 16**

File Name: 2531116A.D **Date Sampled:** 11/11/2025 **Time:** 09:59
Description: T-202 **Date Analyzed:** 11/18/2025 **Time:** 18:19
Canister: 618 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	16.31	0.57	1.44	28.11	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.87	2.18	2.62	2.45	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	4.58	3.15	20.20	8.66	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	3.09	3.97	4.76	7.35	
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	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	0.35	0.45	4.48	1.86	J
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 Limits LCL	QC 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 16**

File Name: 2531116A.D **Date Sampled:** 11/11/2025 **Time:** 09:59
Description T-202 **Date Analyzed:** 11/18/2025 **Time:** 18:19
Canister: 618 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	101.28	2.25	2.71	273.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 16

File Name: 225311
Description T-202
Canister: 618
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 09:59
Date Analyzed: 11/18/2025 **Time:** 18:19
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: 225311
Laboratory ID: 17

File Name: 2531117A.D
Description: T-203
Canister: 727
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 10:00
Date Analyzed: 11/18/2025 **Time:** 18:56
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	2.69	2.18	2.62	3.53	
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	4.49	3.15	20.20	8.48	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	3.37	3.97	4.76	8.03	
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	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	109	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 17**

File Name: 2531117A.D **Date Sampled:** 11/11/2025 **Time:** 10:00
Description T-203 **Date Analyzed:** 11/18/2025 **Time:** 18:56
Canister: 727 **Can Dilution Factor:** 1.00
QC_Batch: 111825-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	167.94	2.25	2.71	454.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 17

File Name: 225311
Description T-203
Canister: 727
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 10:00
Date Analyzed: 11/18/2025 **Time:** 18:56
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stan
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 approximat
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: 225311

Analytical Method: TO-15 **Laboratory ID: 18**

File Name: 2531118A.D
Description: T-204
Canister: 409
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 09:59
Date Analyzed: 11/18/2025 **Time:** 19:33
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	3.44	3.97	4.76	8.20	
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 Limits 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: 225311
Laboratory ID: 18

File Name: 2531118A.D
Description T-204
Canister: 409
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 09:59
Date Analyzed: 11/18/2025 **Time:** 19:33
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	135.69	2.25	2.71	367.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 18

File Name: 225311
Description T-204
Canister: 409
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 09:59
Date Analyzed: 11/18/2025 **Time:** 19:33
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
a-Pinene	2.33	5.00	35.73	9.56	20.48	146.35

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Stan
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 approximat
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: 225311
Laboratory ID: 19

File Name: 2531119A.D
Description: T-205
Canister: 779
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:08
Date Analyzed: 11/18/2025 **Time:** 20:09
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	44.76	0.57	1.44	77.13	
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	3.90	3.97	4.76	9.27	
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	0.67	0.45	4.48	3.62	J
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 Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 19**

File Name: 2531119A.D
Description T-205
Canister: 779
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:08
Date Analyzed: 11/18/2025 **Time:** 20:09
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
75-37-6	1,1-Difluoroethane	0.83	1.00	198.29	2.25	2.71	536.39	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 19

File Name: 225311
Description T-205
Canister: 779
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:08
Date Analyzed: 11/18/2025 **Time:** 20:09
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 Standa
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: 225311
Laboratory ID: 20

File Name: 2531120A.D
Description: T-206
Canister: 509
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:04
Date Analyzed: 11/18/2025 **Time:** 20:45
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	39.44	0.57	1.44	67.97	
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	3.57	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	0.77	0.45	4.48	4.14	J
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311
Analytical Method: TO-15
Laboratory ID: 20

File Name: 2531120A.D
Description T-206
Canister: 509
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:04
Date Analyzed: 11/18/2025 **Time:** 20:45
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
75-37-6	1,1-Difluoroethane	0.83	1.00	221.54	2.25	2.71	599.28	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 20

File Name: 225311
Description T-206
Canister: 509
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:04
Date Analyzed: 11/18/2025 **Time:** 20:45
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311
Laboratory ID: 21

File Name: 2531121A.D
Description: T-207
Canister: 605
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:01
Date Analyzed: 11/18/2025 **Time:** 21:22
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID:** 21

File Name: 2531121A.D
Description T-207
Canister: 605
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:01
Date Analyzed: 11/18/2025 **Time:** 21:22
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	216.79	2.25	2.71	586.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 21

File Name: 225311
Description T-207
Canister: 605
QC_Batch: 111825-MA1

Date Sampled: 11/11/2025 **Time:** 11:01
Date Analyzed: 11/18/2025 **Time:** 21:22
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compounc	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 Stand
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: 225311
Laboratory ID: 22

File Name: 2531122A.D
Description: T-208
Canister: 699
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 11:06
Date Analyzed: 11/20/2025 **Time:** 13:25
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	0.70	0.57	1.44	1.21	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 Limits LCL	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: 225311
Laboratory ID: 22

File Name: 2531122A.D
Description T-208
Canister: 699
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 11:06
Date Analyzed: 11/20/2025 **Time:** 13:25
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	211.08	2.25	2.71	570.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 22

File Name: 225311
Description T-208
Canister: 699
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 11:06
Date Analyzed: 11/20/2025 **Time:** 13:25
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 23**

File Name: 2531123A.D **Date Sampled:** 11/11/2025 **Time:** 12:17
Description: T-209 **Date Analyzed:** 11/20/2025 **Time:** 14:04
Canister: 638 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	5.01	0.57	1.44	8.64	
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	2.25	0.77	2.30	5.16	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.42	3.97	4.76	15.28	
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	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	3.20	0.82	4.08	15.63	
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	116	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 23**

File Name: 2531123A.D **Date Sampled:** 11/11/2025 **Time:** 12:17
Description T-209 **Date Analyzed:** 11/20/2025 **Time:** 14:04
Canister: 638 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	188.42	2.25	2.71	509.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 23

File Name: 225311
Description T-209
Canister: 638
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:17
Date Analyzed: 11/20/2025 **Time:** 14:04
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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 24**

File Name: 2531124A.D
Description: T-210
Canister: 672
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:17
Date Analyzed: 11/20/2025 **Time:** 14:44
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	53.30	0.57	1.44	91.86	
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	3.48	0.57	2.87	12.00	
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	1.43	1.37	3.42	5.87	
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	1.09	0.45	4.48	5.86	
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	0.76	0.57	5.66	5.18	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	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	126	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 24**

File Name: 2531124A.D **Date Sampled:** 11/11/2025 **Time:** 12:17
Description T-210 **Date Analyzed:** 11/20/2025 **Time:** 14:44
Canister: 672 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	212.22	2.25	2.71	574.06	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 24

File Name: 225311
Description T-210
Canister: 672
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:17
Date Analyzed: 11/20/2025 **Time:** 14:44
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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 25**

File Name: 2531125A.D **Date Sampled:** 11/11/2025 **Time:** 12:09
Description: T-211 **Date Analyzed:** 11/20/2025 **Time:** 15:21
Canister: 687 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	6.04	0.57	1.44	10.41	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.01	2.18	2.62	2.64	
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	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	0.56	0.82	4.08	2.75	J
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	0.81	2.51	3.14	3.05	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	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	126	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 25**

File Name: 2531125A.D **Date Sampled:** 11/11/2025 **Time:** 12:09
Description T-211 **Date Analyzed:** 11/20/2025 **Time:** 15:21
Canister: 687 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	216.56	2.25	2.71	585.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 25

File Name: 225311
Description T-211
Canister: 687
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:09
Date Analyzed: 11/20/2025 **Time:** 15:21
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 26**

File Name: 2531126A.D **Date Sampled:** 11/11/2025 **Time:** 12:27
Description: T-212 **Date Analyzed:** 11/20/2025 **Time:** 16:25
Canister: 778 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	107.10	0.57	1.44	184.57	
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	1.07	1.04	2.60	3.32	
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	6.36	0.57	2.87	21.94	
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 Limits 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 26**

File Name: 2531126A.D **Date Sampled:** 11/11/2025 **Time:** 12:27
Description T-212 **Date Analyzed:** 11/20/2025 **Time:** 16:25
Canister: 778 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	111.49	2.25	2.71	301.60	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 26

File Name: 225311
Description T-212
Canister: 778
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:27
Date Analyzed: 11/20/2025 **Time:** 16:25
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
a-Pinene	2.33	5.00	73.63	9.56	20.48	301.57
3-Carene	2.33	5.00	19.30	9.56	20.48	79.04
D-Limonene	2.33	5.00	13.13	9.56	20.48	53.79

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standa
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: 225311

Analytical Method: TO-15 **Laboratory ID: 27**

File Name: 2531127A.D
Description: T-213
Canister: 631
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:20
Date Analyzed: 11/20/2025 **Time:** 17:02
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	122.15	0.57	1.44	210.51	
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	1.25	1.04	2.60	3.90	
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	3.85	0.57	2.87	13.29	
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 Limits 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 27**

File Name: 2531127A.D **Date Sampled:** 11/11/2025 **Time:** 12:20
Description T-213 **Date Analyzed:** 11/20/2025 **Time:** 17:02
Canister: 631 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	129.70	2.25	2.71	350.84	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 27

File Name: 225311
Description T-213
Canister: 631
QC_Batch: 112025-MA1

Date Sampled: 11/11/2025 **Time:** 12:20
Date Analyzed: 11/20/2025 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compour	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 Stan
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 approximat
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: 225311
Laboratory ID: 28

File Name: 2531128A.D
Description: T-214
Canister: 791
QC_Batch: 111725-MA1

Date Sampled: 11/11/2025 **Time:** 12:55
Date Analyzed: 11/17/2025 **Time:** 13:20
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	42.11	0.57	1.44	72.58	
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	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 28**

File Name: 2531128A.D
Description T-214
Canister: 791
QC_Batch: 111725-MA1

Date Sampled: 11/11/2025 **Time:** 12:55
Date Analyzed: 11/17/2025 **Time:** 13:20
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	226.46	2.25	2.71	612.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 28

File Name: 225311
Description T-214
Canister: 791
QC_Batch: 111725-MA1

Date Sampled: 11/11/2025 **Time:** 12:55
Date Analyzed: 11/17/2025 **Time:** 13:20
Can Dilution Factor: 1.00
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 Stanc
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: 225311
Laboratory ID: 29

File Name: 2531129A.D
Description: T-301
Canister: 990
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:29
Date Analyzed: 11/20/2025 **Time:** 17:41
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	35.93	0.57	1.44	61.92	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	9.27	2.18	2.62	12.15	
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	9.94	3.97	4.76	23.65	
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	1.67	0.98	2.95	4.92	
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	0.69	0.45	4.48	3.71	J
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	119	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 29

File Name: 2531129A.D
Description T-301
Canister: 990
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:29
Date Analyzed: 11/20/2025 **Time:** 17:41
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	175.31	2.25	2.71	474.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 29

File Name: 225311
Description T-301
Canister: 990
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:29
Date Analyzed: 11/20/2025 **Time:** 17:41
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 Standa
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: 225311
Laboratory ID: 30

File Name: 2531130A.D
Description: T-302
Canister: 899
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:32
Date Analyzed: 11/20/2025 **Time:** 18:19
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	20.12	0.57	1.44	34.67	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.24	2.18	2.62	5.56	
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	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	6.10	3.97	4.76	14.51	
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	0.37	0.45	4.48	2.00	J
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	116	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 30**

File Name: 2531130A.D
Description T-302
Canister: 899
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:32
Date Analyzed: 11/20/2025 **Time:** 18:19
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	105.24	2.25	2.71	284.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 30

File Name: 225311
Description T-302
Canister: 899
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:32
Date Analyzed: 11/20/2025 **Time:** 18:19
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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 31**

File Name: 2531131A.D **Date Sampled:** 11/12/2025 **Time:** 09:25
Description: T-303 **Date Analyzed:** 11/20/2025 **Time:** 18:57
Canister: 785 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	8.08	0.57	1.44	13.92	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	14.45	2.18	2.62	18.93	
74-87-3	Chloromethane	0.50	0.83	3.29	1.03	1.72	6.81	
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	2.51	0.77	2.30	5.77	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.78	3.97	4.76	23.28	
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	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	1.08	2.51	3.14	4.08	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	128	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 31**

File Name: 2531131A.D **Date Sampled:** 11/12/2025 **Time:** 09:25
Description T-303 **Date Analyzed:** 11/20/2025 **Time:** 18:57
Canister: 785 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	175.60	2.25	2.71	475.02	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 31

File Name: 225311
Description T-303
Canister: 785
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:25
Date Analyzed: 11/20/2025 **Time:** 18:57
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
a-Pinene	2.33	5.00	26.63	9.56	20.48	109.08
b-Pinene	2.33	5.00	134.20	9.56	20.48	549.62
b-Phellandrene	2.33	5.00	7.30	9.56	20.48	29.90
3-Carene	2.33	5.00	52.23	9.56	20.48	213.92
D-Limonene	2.33	5.00	676.43	9.56	20.48	2,770.33

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standarc
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: 225311

Analytical Method: TO-15 **Laboratory ID: 32**

File Name: 2531132A.D
Description: T-304
Canister: 503
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:31
Date Analyzed: 11/20/2025 **Time:** 19:34
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
115-07-1	Propylene	0.33	0.83	63.04	0.57	1.44	108.65	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	12.59	2.18	2.62	16.50	
74-87-3	Chloromethane	0.50	0.83	6.68	1.03	1.72	13.82	
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	12.51	3.97	4.76	29.77	
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	1.86	0.58	2.90	6.45	
75-15-0	Carbon disulfide	0.33	0.83	1.27	1.04	2.60	3.94	
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	18.71	1.18	2.94	66.06	
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	4.75	0.50	2.95	14.04	
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	3.23	0.68	3.38	13.09	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	14.48	0.57	2.87	49.95	
71-43-2	Benzene	1.17	1.67	4.19	3.73	5.33	13.40	
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	14.72	2.51	3.14	55.51	
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	7.38	1.45	3.62	32.09	
1330-20-7	m,p-Xylenes	0.33	0.83	9.27	1.45	3.62	40.34	
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	3.14	1.45	3.62	13.67	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	110	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 32**

File Name: 2531132A.D **Date Sampled:** 11/12/2025 **Time:** 09:31
Description T-304 **Date Analyzed:** 11/20/2025 **Time:** 19:34
Canister: 503 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	208.91	2.25	2.71	565.13	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 32

File Name: 225311
Description T-304
Canister: 503
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 09:31
Date Analyzed: 11/20/2025 **Time:** 19:34
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
b-Phellandrene	2.33	5.00	11.17	9.56	20.48	45.73
D-Limonene	2.33	5.00	144.23	9.56	20.48	590.71

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standa
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: 225311

Analytical Method: TO-15 **Laboratory ID: 33**

File Name: 2531133A.D **Date Sampled:** 11/12/2025 **Time:** 10:46
Description: T-305 **Date Analyzed:** 11/20/2025 **Time:** 20:12
Canister: 642 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	59.81	0.57	1.44	103.08	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	39.54	2.18	2.62	51.82	
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	4.32	0.77	2.30	9.92	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	13.24	3.97	4.76	31.52	
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	3.15	0.98	2.95	9.30	
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	0.86	0.45	4.48	4.62	
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	111	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 33**

File Name: 2531133A.D **Date Sampled:** 11/12/2025 **Time:** 10:46
Description T-305 **Date Analyzed:** 11/20/2025 **Time:** 20:12
Canister: 642 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	226.46	2.25	2.71	612.60	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 33

File Name: 225311
Description T-305
Canister: 642
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 10:46
Date Analyzed: 11/20/2025 **Time:** 20:12
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
D-Limonene	2.33	5.00	27.03	9.56	20.48	110.71

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standarc
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: 225311

Analytical Method: TO-15 **Laboratory ID: 34**

File Name: 2531134A.D **Date Sampled:** 11/12/2025 **Time:** 10:41
Description: T-306 **Date Analyzed:** 11/20/2025 **Time:** 20:50
Canister: 878 **Can Dilution Factor:** 1.00
QC_Batch: 112025-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	55.99	0.57	1.44	96.49	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	42.73	2.18	2.62	56.00	
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	3.81	0.77	2.30	8.76	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.84	3.97	4.76	23.42	
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	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	0.93	0.45	4.48	4.98	
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 Limits LCL	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

SDG: 225311
Analytical Method: TO-15
Laboratory ID: 34

File Name: 2531134A.D
Description T-306
Canister: 878
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 10:41
Date Analyzed: 11/20/2025 **Time:** 20:50
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	228.68	2.25	2.71	618.59	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 34

File Name: 225311
Description T-306
Canister: 878
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 10:41
Date Analyzed: 11/20/2025 **Time:** 20:50
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
D-Limonene	2.33	5.00	9.63	9.56	20.48	39.45

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: 225311
Laboratory ID: 35

File Name: 2531135A.D
Description: T-307
Canister: 548
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 10:41
Date Analyzed: 11/20/2025 **Time:** 21:27
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	37.34	2.18	2.62	48.94	
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	3.20	0.77	2.30	7.34	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	8.03	3.97	4.76	19.10	
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	0.69	2.51	3.14	2.61	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	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	113	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 35**

File Name:	2531135A.D	**Date Sampled:**	11/12/2025	**Time:**	10:41
Description	T-307	**Date Analyzed:**	11/20/2025	**Time:**	21:27
Canister:	548	**Can Dilution Factor:**	1.00		
QC_Batch:	112025-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	208.65	2.25	2.71	564.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 35

File Name: 225311
Description T-307
Canister: 548
QC_Batch: 112025-MA1

Date Sampled: 11/12/2025 **Time:** 10:41
Date Analyzed: 11/20/2025 **Time:** 21:27
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
D-Limonene	2.33	5.00	10.20	9.56	20.48	41.77

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: 225311
Laboratory ID: 36

File Name: 2531136A.D
Description: T-308
Canister: 879
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 10:32
Date Analyzed: 11/25/2025 **Time:** 17:42
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	89.37	0.57	1.44	154.02	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	23.57	2.18	2.62	30.89	
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	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	6.11	3.97	4.76	14.53	
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	3.31	0.57	2.87	11.41	
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	1.06	2.51	3.14	4.01	
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	4.79	1.45	3.62	20.82	
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	3.29	1.45	3.62	14.31	
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	1.69	3.28	14.77	8.31	J
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	0.83	3.66	10.99	4.55	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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	112	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 36**

File Name: 2531136A.D **Date Sampled:** 11/12/2025 **Time:** 10:32
Description T-308 **Date Analyzed:** 11/25/2025 **Time:** 17:42
Canister: 879 **Can Dilution Factor:** 1.00
QC_Batch: 112525-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	192.82	2.25	2.71	521.59	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 36

File Name: 225311
Description T-308
Canister: 879
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 10:32
Date Analyzed: 11/25/2025 **Time:** 17:42
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
a-Pinene	2.33	5.00	47.33	9.56	20.48	193.85
3-Carene	2.33	5.00	18.10	9.56	20.48	74.13

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standar
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: 225311

Analytical Method: TO-15 **Laboratory ID: 37**

File Name: 2531137A.D **Date Sampled:** 11/12/2025 **Time:** 12:22
Description: T-309 **Date Analyzed:** 11/25/2025 **Time:** 18:36
Canister: 885 **Can Dilution Factor:** 1.00
QC_Batch: 112525-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	13.77	2.18	2.62	18.04	
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	6.22	3.97	4.76	14.81	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	111	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 37**

File Name: 2531137A.D
Description T-309
Canister: 885
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 12:22
Date Analyzed: 11/25/2025 **Time:** 18:36
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	75.39	2.25	2.71	203.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 37

File Name: 225311
Description T-309
Canister: 885
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 12:22
Date Analyzed: 11/25/2025 **Time:** 18:36
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compoun	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 Stand
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: 225311

Analytical Method: TO-15 **Laboratory ID: 38**

File Name: 2531138A.D **Date Sampled:** 11/12/2025 **Time:** 12:26
Description: T-310 **Date Analyzed:** 11/25/2025 **Time:** 19:17
Canister: 551 **Can Dilution Factor:** 1.00
QC_Batch: 112525-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	31.93	2.18	2.62	41.84	
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	6.98	3.97	4.76	16.60	
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	109	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 38**

File Name:	2531138A.D	**Date Sampled:**	11/12/2025	**Time:**	12:26
Description	T-310	**Date Analyzed:**	11/25/2025	**Time:**	19:17
Canister:	551	**Can Dilution Factor:**	1.00		
QC_Batch:	112525-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	146.32	2.25	2.71	395.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 38

File Name: 225311
Description T-310
Canister: 551
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 12:26
Date Analyzed: 11/25/2025 **Time:** 19:17
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 Stand
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: 225311
Laboratory ID: 39

File Name: 2531139A.D
Description: T-311
Canister: 673
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:38
Date Analyzed: 11/25/2025 **Time:** 20:07
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	14.32	0.57	1.44	24.68	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	19.82	2.18	2.62	25.97	
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	5.19	3.97	4.76	12.36	
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	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

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 39**

File Name: 2531139A.D
Description T-311
Canister: 673
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:38
Date Analyzed: 11/25/2025 **Time:** 20:07
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	101.30	2.25	2.71	274.03	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 39

File Name: 225311
Description T-311
Canister: 673
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:38
Date Analyzed: 11/25/2025 **Time:** 20:07
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compounc	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 Stand
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: 225311
Laboratory ID: 40

File Name: 2531140A.D
Description: T-312
Canister: 756
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:52
Date Analyzed: 11/25/2025 **Time:** 20:45
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	182.62	0.57	1.44	314.72	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	14.81	2.18	2.62	19.41	
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	7.78	0.50	2.95	22.98	
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	22.04	0.82	4.08	107.76	
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	3.00	0.57	2.87	10.34	
71-43-2	Benzene	1.17	1.67	6.76	3.73	5.33	21.61	
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	4.00	1.37	3.42	16.43	
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	1.15	0.45	4.48	6.21	
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	19.94	2.51	3.14	75.20	
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	3.99	1.56	3.90	18.66	
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	0.51	0.57	5.66	3.47	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	3.18	1.45	3.62	13.85	
1330-20-7	m,p-Xylenes	0.33	0.83	21.79	1.45	3.62	94.78	
111-84-2	Nonane	0.33	0.83	10.63	1.75	4.38	55.87	
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	18.17	1.45	3.62	79.04	
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	5.52	3.28	14.77	27.18	
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	9.82	3.66	10.99	54.00	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 40**

File Name: 2531140A.D **Date Sampled:** 11/12/2025 **Time:** 11:52
Description T-312 **Date Analyzed:** 11/25/2025 **Time:** 20:45
Canister: 756 **Can Dilution Factor:** 1.00
QC_Batch: 112525-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	152.74	2.25	2.71	413.17	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 40

File Name: 225311
Description T-312
Canister: 756
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:52
Date Analyzed: 11/25/2025 **Time:** 20:45
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
a-Pinene	2.33	5.00	117.03	9.56	20.48	479.31
3-Carene	2.33	5.00	37.90	9.56	20.48	155.22

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standar
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: 225311
Laboratory ID: 41

File Name: 2531141A.D
Description: T-313
Canister: 764
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:57
Date Analyzed: 11/25/2025 **Time:** 21:39
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	262.97	0.57	1.44	453.19	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	23.68	2.18	2.62	31.04	
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	4.05	0.98	2.95	11.95	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	3.59	1.18	2.94	12.66	
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	10.04	0.50	2.95	29.64	
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	23.94	0.82	4.08	117.08	
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	3.32	0.57	2.87	11.44	
71-43-2	Benzene	1.17	1.67	7.59	3.73	5.33	24.27	
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	4.30	1.37	3.42	17.64	
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	1.20	0.45	4.48	6.44	
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	21.09	2.51	3.14	79.56	
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	4.17	1.56	3.90	19.51	
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	0.51	0.57	5.66	3.44	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	3.31	1.45	3.62	14.40	
1330-20-7	m,p-Xylenes	0.33	0.83	22.53	1.45	3.62	97.99	
111-84-2	Nonane	0.33	0.83	11.10	1.75	4.38	58.35	
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	18.75	1.45	3.62	81.56	
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	5.50	3.28	14.77	27.06	
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	3.63	3.28	14.77	17.86	
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	10.12	3.66	10.99	55.61	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 41

File Name: 2531141A.D
Description T-313
Canister: 764
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:57
Date Analyzed: 11/25/2025 **Time:** 21:39
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	178.77	2.25	2.71	483.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 41

File Name: 225311
Description T-313
Canister: 764
QC_Batch: 112525-MA1

Date Sampled: 11/12/2025 **Time:** 11:57
Date Analyzed: 11/25/2025 **Time:** 21:39
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
a-Pinene	2.33	5.00	120.30	9.56	20.48	492.69
3-Carene	2.33	5.00	38.80	9.56	20.48	158.91

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standar
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: 225311
Laboratory ID: 42

File Name: 2531142A.D
Description: T-314
Canister: 608
QC_Batch: 111725-MA1

Date Sampled: 11/12/2025 **Time:**
Date Analyzed: 11/17/2025 **Time:** 13:58
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	33.09	0.57	1.44	57.03	
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 Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	109	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 42

File Name: 2531142A.D
Description T-314
Canister: 608
QC_Batch: 111725-MA1

Date Sampled: 11/12/2025 **Time:**
Date Analyzed: 11/17/2025 **Time:** 13:58
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
75-37-6	1,1-Difluoroethane	0.83	1.00	202.55	2.25	2.71	547.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 42

File Name: 225311
Description T-314
Canister: 608
QC_Batch: 111725-MA1

Date Sampled: 11/12/2025 **Time:**
Date Analyzed: 11/17/2025 **Time:** 13:58
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 Standar
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: 225311

Analytical Method: TO-15 **Laboratory ID: 43**

File Name: 2531143A.D **Date Sampled:** 11/24/2025 **Time:** 09:41
Description: T-401 **Date Analyzed:** 12/18/2025 **Time:** 13:34
Canister: 714 **Can Dilution Factor:** 1.19
QC_Batch: 121825-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	0.40	0.99	0.60	0.68	1.71	1.04	J
75-71-8	Dichlorodifluoromethane	0.60	0.99	ND	2.95	4.91	ND	
67-56-1	Methanol	1.98	2.38	ND	2.60	3.12	ND	
74-87-3	Chloromethane	0.60	0.99	0.60	1.23	2.05	1.24	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	0.99	ND	2.78	6.94	ND	
75-01-4	Vinyl chloride	0.20	0.99	ND	0.51	2.54	ND	
106-99-0	1,3-Butadiene	0.20	0.99	ND	0.44	2.20	ND	
74-83-9	Bromomethane	0.40	0.99	ND	1.54	3.85	ND	
75-00-3	Chloroethane	0.40	0.99	ND	1.05	2.62	ND	
64-17-5	Ethanol	1.98	12.73	ND	3.74	24.04	ND	
107-02-8	Acrolein	0.40	1.19	ND	0.91	2.73	ND	
75-69-4	Trichlorofluoromethane	0.40	0.99	ND	2.23	5.58	ND	
67-64-1	Acetone	1.98	2.38	3.21	4.72	5.66	7.64	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.96	ND	1.95	12.20	ND	
75-65-0	t-Butyl alcohol	0.40	3.97	ND	1.20	12.04	ND	
4227-95-6	Methyl iodide	0.40	1.19	ND	2.32	6.96	ND	
75-35-4	1,1-Dichloroethene	0.20	0.99	ND	0.79	3.94	ND	
107-13-1	Acrylonitrile	0.79	1.19	ND	1.73	2.59	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.99	ND	1.52	7.61	ND	
107-05-1	Allyl chloride	0.20	3.97	ND	0.62	12.43	ND	
75-09-2	Methylene chloride	0.20	0.99	ND	0.69	3.45	ND	
75-15-0	Carbon disulfide	0.40	0.99	ND	1.24	3.09	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.79	3.15	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.79	ND	1.43	2.86	ND	
107-12-0	Propionitrile	0.99	1.59	ND	2.24	3.58	ND	
75-34-3	1,1-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
637-92-3	Ethyl tert butyl ether	0.40	0.99	ND	1.66	4.15	ND	
108-05-4	Vinyl acetate	0.20	3.97	ND	0.70	13.99	ND	
78-93-3	2-Butanone (MEK)	0.40	1.19	ND	1.17	3.51	ND	
108-20-3	Diisopropyl ether	0.40	2.38	ND	1.66	9.96	ND	
110-54-3	Hexane	0.40	0.99	ND	1.40	3.50	ND	
126-98-7	Methacrylonitrile	0.40	0.99	ND	1.09	2.73	ND	
141-78-6	Ethyl acetate	0.40	0.99	ND	1.43	3.58	ND	
74-97-5	Bromochloromethane	0.20	0.99	ND	1.05	5.26	ND	
96-33-3	Methyl acrylate	0.40	1.98	ND	1.40	6.99	ND	
109-99-9	Tetrahydrofuran	0.20	1.19	ND	0.59	3.51	ND	
78-83-1	Isobutyl alcohol	0.79	3.17	ND	2.41	9.63	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.99	ND	0.79	3.94	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	0.20	0.99	ND	0.92	4.59	ND	
67-66-3	Chloroform	0.20	0.99	ND	0.97	4.85	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
107-06-2	1,2-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
563-58-6	1,1-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
110-82-7	Cyclohexane	0.20	0.99	ND	0.68	3.42	ND	
71-43-2	Benzene	1.39	1.98	ND	4.44	6.34	ND	
56-23-5	Carbon tetrachloride	0.20	0.99	ND	1.25	6.25	ND	
994-05-8	t-Amyl methyl ether	0.40	1.98	ND	1.66	8.30	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.99	ND	0.93	4.64	ND	
142-82-5	n-Heptane	0.40	0.99	ND	1.63	4.07	ND	
78-87-5	1,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
123-91-1	1,4 Dioxane	0.40	1.98	ND	1.43	7.16	ND	
74-95-3	Dibromomethane	0.20	0.99	ND	1.41	7.06	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.99	15.02	0.53	5.34	80.82	
75-27-4	Bromodichloromethane	0.20	0.99	ND	1.33	6.65	ND	
80-62-6	Methyl methacrylate	0.40	0.99	ND	1.63	4.07	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.17	ND	1.63	13.02	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
108-88-3	Toluene	0.79	0.99	ND	2.99	3.74	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
97-63-2	Ethyl methacrylate	0.40	0.99	ND	1.86	4.64	ND	
591-78-6	2-Hexanone	0.40	3.17	ND	1.63	13.02	ND	
142-28-9	1,3-Dichloropropane	0.20	2.78	ND	0.92	12.85	ND	
111-65-9	Octane	0.40	0.99	ND	1.86	4.64	ND	
124-48-1	Dibromochloromethane	0.40	0.99	ND	3.38	8.46	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	0.99	ND	3.05	7.63	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.99	ND	0.67	6.73	ND	
108-90-7	Chlorobenzene	0.40	0.99	ND	1.83	4.57	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	0.99	ND	2.73	6.81	ND	
100-41-4	Ethylbenzene	0.40	0.99	ND	1.73	4.31	ND	
1330-20-7	m,p-Xylenes	0.40	0.99	ND	1.73	4.31	ND	
111-84-2	Nonane	0.40	0.99	ND	2.08	5.21	ND	
100-42-5	Styrene	0.60	0.99	ND	2.54	4.23	ND	
75-25-2	Bromoform	0.40	0.99	ND	4.11	10.26	ND	
95-47-6	o-Xylene	0.40	0.99	ND	1.73	4.31	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.98	ND	5.45	13.63	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.38	ND	4.79	14.37	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.38	ND	4.06	12.18	ND	
103-65-1	n-Propylbenzene	0.79	2.78	ND	3.91	13.67	ND	
98-82-8	Isopropylbenzene	0.79	2.78	ND	3.91	13.67	ND	
622-96-8	4-Ethyltoluene	0.79	6.35	ND	3.91	31.24	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
124-18-5	Decane	0.79	2.38	ND	4.62	13.87	ND	
98-06-6	tert-butyl benzene	0.79	2.38	ND	4.36	13.08	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
538-93-2	i-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
135-98-8	sec-butylbenzene	0.79	2.78	ND	4.36	15.26	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.17	ND	4.78	19.10	ND	
99-87-6	Isopropyltoluene	0.79	2.38	ND	4.36	13.08	ND	
100-44-7	Benzyl chloride	0.79	1.98	ND	4.11	10.28	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	0.79	1.98	ND	4.78	11.94	ND	
104-51-8	n-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.78	ND	4.78	16.72	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.19	2.78	ND	11.52	26.87	ND	
120-82-1	1,2,4-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
91-20-3	Naphthalene	1.98	0.40	ND	10.41	2.08	ND	
87-61-6	1,2,3-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
87-68-3	Hexachlorobutadiene	0.99	1.19	ND	10.59	12.71	ND	

	Surrogate Recovery	% Rec.	QC Limits 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: 225311
Laboratory ID: 43

File Name: 2531143A.D
Description: T-401
Canister: 714
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:41
Date Analyzed: 12/18/2025 **Time:** 13:34
Can Dilution Factor: 1.19
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	0.99	1.19	179.04	2.68	3.22	484.31	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 43

File Name: 225311
Description T-401
Canister: 714
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:41
Date Analyzed: 12/18/2025 **Time:** 13:34
Can Dilution Factor: 1.19
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.78	5.95	ND	11.37	24.37	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: 225311
Laboratory ID: 43

File Name: 2531144A.D
Description: T-402
Canister: 714
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:41
Date Analyzed: 12/18/2025 **Time:** 13:34
Can Dilution Factor: 1.19
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	0.40	0.99	ND	0.68	1.71	ND	
75-71-8	Dichlorodifluoromethane	0.60	0.99	ND	2.95	4.91	ND	
67-56-1	Methanol	1.98	2.38	ND	2.60	3.12	ND	
74-87-3	Chloromethane	0.60	0.99	ND	1.23	2.05	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	0.99	ND	2.78	6.94	ND	
75-01-4	Vinyl chloride	0.20	0.99	ND	0.51	2.54	ND	
106-99-0	1,3-Butadiene	0.20	0.99	ND	0.44	2.20	ND	
74-83-9	Bromomethane	0.40	0.99	ND	1.54	3.85	ND	
75-00-3	Chloroethane	0.40	0.99	ND	1.05	2.62	ND	
64-17-5	Ethanol	1.98	12.73	ND	3.74	24.04	ND	
107-02-8	Acrolein	0.40	1.19	ND	0.91	2.73	ND	
75-69-4	Trichlorofluoromethane	0.40	0.99	ND	2.23	5.58	ND	
67-64-1	Acetone	1.98	2.38	2.46	4.72	5.66	5.85	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.96	ND	1.95	12.20	ND	
75-65-0	t-Butyl alcohol	0.40	3.97	ND	1.20	12.04	ND	
4227-95-6	Methyl iodide	0.40	1.19	ND	2.32	6.96	ND	
75-35-4	1,1-Dichloroethene	0.20	0.99	ND	0.79	3.94	ND	
107-13-1	Acrylonitrile	0.79	1.19	ND	1.73	2.59	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.99	ND	1.52	7.61	ND	
107-05-1	Allyl chloride	0.20	3.97	ND	0.62	12.43	ND	
75-09-2	Methylene chloride	0.20	0.99	ND	0.69	3.45	ND	
75-15-0	Carbon disulfide	0.40	0.99	ND	1.24	3.09	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.79	3.15	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.79	ND	1.43	2.86	ND	
107-12-0	Propionitrile	0.99	1.59	ND	2.24	3.58	ND	
75-34-3	1,1-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
637-92-3	Ethyl tert butyl ether	0.40	0.99	ND	1.66	4.15	ND	
108-05-4	Vinyl acetate	0.20	3.97	ND	0.70	13.99	ND	
78-93-3	2-Butanone (MEK)	0.40	1.19	ND	1.17	3.51	ND	
108-20-3	Diisopropyl ether	0.40	2.38	ND	1.66	9.96	ND	
110-54-3	Hexane	0.40	0.99	3.93	1.40	3.50	13.89	
126-98-7	Methacrylonitrile	0.40	0.99	ND	1.09	2.73	ND	
141-78-6	Ethyl acetate	0.40	0.99	ND	1.43	3.58	ND	
74-97-5	Bromochloromethane	0.20	0.99	ND	1.05	5.26	ND	
96-33-3	Methyl acrylate	0.40	1.98	ND	1.40	6.99	ND	
109-99-9	Tetrahydrofuran	0.20	1.19	ND	0.59	3.51	ND	
78-83-1	Isobutyl alcohol	0.79	3.17	ND	2.41	9.63	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.99	ND	0.79	3.94	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	0.20	0.99	ND	0.92	4.59	ND	
67-66-3	Chloroform	0.20	0.99	ND	0.97	4.85	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
107-06-2	1,2-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
563-58-6	1,1-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
110-82-7	Cyclohexane	0.20	0.99	ND	0.68	3.42	ND	
71-43-2	Benzene	1.39	1.98	ND	4.44	6.34	ND	
56-23-5	Carbon tetrachloride	0.20	0.99	ND	1.25	6.25	ND	
994-05-8	t-Amyl methyl ether	0.40	1.98	ND	1.66	8.30	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.99	ND	0.93	4.64	ND	
142-82-5	n-Heptane	0.40	0.99	ND	1.63	4.07	ND	
78-87-5	1,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
123-91-1	1,4 Dioxane	0.40	1.98	ND	1.43	7.16	ND	
74-95-3	Dibromomethane	0.20	0.99	ND	1.41	7.06	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.99	13.99	0.53	5.34	75.29	
75-27-4	Bromodichloromethane	0.20	0.99	ND	1.33	6.65	ND	
80-62-6	Methyl methacrylate	0.40	0.99	ND	1.63	4.07	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.17	ND	1.63	13.02	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
108-88-3	Toluene	0.79	0.99	ND	2.99	3.74	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
97-63-2	Ethyl methacrylate	0.40	0.99	ND	1.86	4.64	ND	
591-78-6	2-Hexanone	0.40	3.17	ND	1.63	13.02	ND	
142-28-9	1,3-Dichloropropane	0.20	2.78	ND	0.92	12.85	ND	
111-65-9	Octane	0.40	0.99	ND	1.86	4.64	ND	
124-48-1	Dibromochloromethane	0.40	0.99	ND	3.38	8.46	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	0.99	ND	3.05	7.63	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.99	ND	0.67	6.73	ND	
108-90-7	Chlorobenzene	0.40	0.99	ND	1.83	4.57	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	0.99	ND	2.73	6.81	ND	
100-41-4	Ethylbenzene	0.40	0.99	ND	1.73	4.31	ND	
1330-20-7	m,p-Xylenes	0.40	0.99	ND	1.73	4.31	ND	
111-84-2	Nonane	0.40	0.99	ND	2.08	5.21	ND	
100-42-5	Styrene	0.60	0.99	ND	2.54	4.23	ND	
75-25-2	Bromoform	0.40	0.99	ND	4.11	10.26	ND	
95-47-6	o-Xylene	0.40	0.99	ND	1.73	4.31	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.98	ND	5.45	13.63	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.38	ND	4.79	14.37	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.38	ND	4.06	12.18	ND	
103-65-1	n-Propylbenzene	0.79	2.78	ND	3.91	13.67	ND	
98-82-8	Isopropylbenzene	0.79	2.78	ND	3.91	13.67	ND	
622-96-8	4-Ethyltoluene	0.79	6.35	ND	3.91	31.24	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
124-18-5	Decane	0.79	2.38	ND	4.62	13.87	ND	
98-06-6	tert-butyl benzene	0.79	2.38	ND	4.36	13.08	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
538-93-2	i-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
135-98-8	sec-butylbenzene	0.79	2.78	ND	4.36	15.26	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.17	ND	4.78	19.10	ND	
99-87-6	Isopropyltoluene	0.79	2.38	ND	4.36	13.08	ND	
100-44-7	Benzyl chloride	0.79	1.98	ND	4.11	10.28	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	0.79	1.98	ND	4.78	11.94	ND	
104-51-8	n-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.78	ND	4.78	16.72	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.19	2.78	ND	11.52	26.87	ND	
120-82-1	1,2,4-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
91-20-3	Naphthalene	1.98	0.40	ND	10.41	2.08	ND	
87-61-6	1,2,3-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
87-68-3	Hexachlorobutadiene	0.99	1.19	ND	10.59	12.71	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 43**

File Name: 2531144A.D **Date Sampled:** 11/24/2025 **Time:** 09:41
Description T-402 **Date Analyzed:** 12/18/2025 **Time:** 13:34
Canister: 714 **Can Dilution Factor:** 1.19
QC_Batch: 121825-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	0.99	1.19	154.25	2.68	3.22	417.26	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 43

File Name: 225311
Description T-402
Canister: 714
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:41
Date Analyzed: 12/18/2025 **Time:** 13:34
Can Dilution Factor: 1.19
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.78	5.95	ND	11.37	24.37	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: 225311
Laboratory ID: 45

File Name: 2531145A.D
Description: T-403
Canister: 664
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:40
Date Analyzed: 12/18/2025 **Time:** 14:54
Can Dilution Factor: 1.19
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	0.40	0.99	11.24	0.68	1.71	19.38	
75-71-8	Dichlorodifluoromethane	0.60	0.99	ND	2.95	4.91	ND	
67-56-1	Methanol	1.98	2.38	ND	2.60	3.12	ND	
74-87-3	Chloromethane	0.60	0.99	ND	1.23	2.05	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	0.99	ND	2.78	6.94	ND	
75-01-4	Vinyl chloride	0.20	0.99	ND	0.51	2.54	ND	
106-99-0	1,3-Butadiene	0.20	0.99	ND	0.44	2.20	ND	
74-83-9	Bromomethane	0.40	0.99	ND	1.54	3.85	ND	
75-00-3	Chloroethane	0.40	0.99	ND	1.05	2.62	ND	
64-17-5	Ethanol	1.98	12.73	ND	3.74	24.04	ND	
107-02-8	Acrolein	0.40	1.19	ND	0.91	2.73	ND	
75-69-4	Trichlorofluoromethane	0.40	0.99	ND	2.23	5.58	ND	
67-64-1	Acetone	1.98	2.38	3.54	4.72	5.66	8.42	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.96	ND	1.95	12.20	ND	
75-65-0	t-Butyl alcohol	0.40	3.97	ND	1.20	12.04	ND	
4227-95-6	Methyl iodide	0.40	1.19	ND	2.32	6.96	ND	
75-35-4	1,1-Dichloroethene	0.20	0.99	ND	0.79	3.94	ND	
107-13-1	Acrylonitrile	0.79	1.19	ND	1.73	2.59	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.99	ND	1.52	7.61	ND	
107-05-1	Allyl chloride	0.20	3.97	ND	0.62	12.43	ND	
75-09-2	Methylene chloride	0.20	0.99	ND	0.69	3.45	ND	
75-15-0	Carbon disulfide	0.40	0.99	ND	1.24	3.09	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.79	3.15	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.79	ND	1.43	2.86	ND	
107-12-0	Propionitrile	0.99	1.59	ND	2.24	3.58	ND	
75-34-3	1,1-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
637-92-3	Ethyl tert butyl ether	0.40	0.99	ND	1.66	4.15	ND	
108-05-4	Vinyl acetate	0.20	3.97	ND	0.70	13.99	ND	
78-93-3	2-Butanone (MEK)	0.40	1.19	ND	1.17	3.51	ND	
108-20-3	Diisopropyl ether	0.40	2.38	ND	1.66	9.96	ND	
110-54-3	Hexane	0.40	0.99	0.63	1.40	3.50	2.23	J
126-98-7	Methacrylonitrile	0.40	0.99	ND	1.09	2.73	ND	
141-78-6	Ethyl acetate	0.40	0.99	ND	1.43	3.58	ND	
74-97-5	Bromochloromethane	0.20	0.99	ND	1.05	5.26	ND	
96-33-3	Methyl acrylate	0.40	1.98	ND	1.40	6.99	ND	
109-99-9	Tetrahydrofuran	0.20	1.19	ND	0.59	3.51	ND	
78-83-1	Isobutyl alcohol	0.79	3.17	ND	2.41	9.63	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.99	ND	0.79	3.94	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	0.20	0.99	ND	0.92	4.59	ND	
67-66-3	Chloroform	0.20	0.99	ND	0.97	4.85	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
107-06-2	1,2-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
563-58-6	1,1-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
110-82-7	Cyclohexane	0.20	0.99	ND	0.68	3.42	ND	
71-43-2	Benzene	1.39	1.98	ND	4.44	6.34	ND	
56-23-5	Carbon tetrachloride	0.20	0.99	ND	1.25	6.25	ND	
994-05-8	t-Amyl methyl ether	0.40	1.98	ND	1.66	8.30	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.99	4.58	0.93	4.64	21.40	
142-82-5	n-Heptane	0.40	0.99	ND	1.63	4.07	ND	
78-87-5	1,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
123-91-1	1,4 Dioxane	0.40	1.98	ND	1.43	7.16	ND	
74-95-3	Dibromomethane	0.20	0.99	ND	1.41	7.06	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.99	ND	0.53	5.34	ND	
75-27-4	Bromodichloromethane	0.20	0.99	ND	1.33	6.65	ND	
80-62-6	Methyl methacrylate	0.40	0.99	ND	1.63	4.07	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.17	ND	1.63	13.02	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
108-88-3	Toluene	0.79	0.99	ND	2.99	3.74	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
97-63-2	Ethyl methacrylate	0.40	0.99	ND	1.86	4.64	ND	
591-78-6	2-Hexanone	0.40	3.17	ND	1.63	13.02	ND	
142-28-9	1,3-Dichloropropane	0.20	2.78	ND	0.92	12.85	ND	
111-65-9	Octane	0.40	0.99	ND	1.86	4.64	ND	
124-48-1	Dibromochloromethane	0.40	0.99	ND	3.38	8.46	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	0.99	ND	3.05	7.63	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.99	ND	0.67	6.73	ND	
108-90-7	Chlorobenzene	0.40	0.99	ND	1.83	4.57	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	0.99	ND	2.73	6.81	ND	
100-41-4	Ethylbenzene	0.40	0.99	ND	1.73	4.31	ND	
1330-20-7	m,p-Xylenes	0.40	0.99	ND	1.73	4.31	ND	
111-84-2	Nonane	0.40	0.99	ND	2.08	5.21	ND	
100-42-5	Styrene	0.60	0.99	ND	2.54	4.23	ND	
75-25-2	Bromoform	0.40	0.99	ND	4.11	10.26	ND	
95-47-6	o-Xylene	0.40	0.99	ND	1.73	4.31	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.98	ND	5.45	13.63	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.38	ND	4.79	14.37	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.38	ND	4.06	12.18	ND	
103-65-1	n-Propylbenzene	0.79	2.78	ND	3.91	13.67	ND	
98-82-8	Isopropylbenzene	0.79	2.78	ND	3.91	13.67	ND	
622-96-8	4-Ethyltoluene	0.79	6.35	ND	3.91	31.24	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
124-18-5	Decane	0.79	2.38	ND	4.62	13.87	ND	
98-06-6	tert-butyl benzene	0.79	2.38	ND	4.36	13.08	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
538-93-2	i-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
135-98-8	sec-butylbenzene	0.79	2.78	ND	4.36	15.26	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.17	ND	4.78	19.10	ND	
99-87-6	Isopropyltoluene	0.79	2.38	ND	4.36	13.08	ND	
100-44-7	Benzyl chloride	0.79	1.98	ND	4.11	10.28	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	0.79	1.98	ND	4.78	11.94	ND	
104-51-8	n-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.78	ND	4.78	16.72	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.19	2.78	ND	11.52	26.87	ND	
120-82-1	1,2,4-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
91-20-3	Naphthalene	1.98	0.40	ND	10.41	2.08	ND	
87-61-6	1,2,3-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
87-68-3	Hexachlorobutadiene	0.99	1.19	ND	10.59	12.71	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 45**

File Name:	2531145A.D	**Date Sampled:**	11/24/2025	**Time:**	09:40
Description	T-403	**Date Analyzed:**	12/18/2025	**Time:**	14:54
Canister:	664	**Can Dilution Factor:**	1.19		
QC_Batch:	121825-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	0.99	1.19	82.60	2.68	3.22	223.44	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 45

File Name: 225311
Description T-403
Canister: 664
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 09:40
Date Analyzed: 12/18/2025 **Time:** 14:54
Can Dilution Factor: 1.19
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.78	5.95	ND	11.37	24.37	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: 225311

Analytical Method: TO-15 **Laboratory ID: 46**

File Name:	2531146A.D	**Date Sampled:**	11/24/2025	**Time:**	09:39
Description:	T-404	**Date Analyzed:**	12/18/2025	**Time:**	15:44
Canister:	837	**Can Dilution Factor:**	1.18		
QC_Batch:	121825-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	0.39	0.98	21.47	0.68	1.69	37.00	
75-71-8	Dichlorodifluoromethane	0.59	0.98	ND	2.92	4.87	ND	
67-56-1	Methanol	1.97	2.36	ND	2.58	3.09	ND	
74-87-3	Chloromethane	0.59	0.98	ND	1.22	2.03	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.98	ND	2.75	6.88	ND	
75-01-4	Vinyl chloride	0.20	0.98	ND	0.51	2.52	ND	
106-99-0	1,3-Butadiene	0.20	0.98	ND	0.44	2.18	ND	
74-83-9	Bromomethane	0.39	0.98	ND	1.53	3.82	ND	
75-00-3	Chloroethane	0.39	0.98	ND	1.04	2.60	ND	
64-17-5	Ethanol	1.97	12.63	ND	3.71	23.84	ND	
107-02-8	Acrolein	0.39	1.18	ND	0.90	2.71	ND	
75-69-4	Trichlorofluoromethane	0.39	0.98	ND	2.21	5.53	ND	
67-64-1	Acetone	1.97	2.36	5.47	4.68	5.62	13.01	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.92	ND	1.94	12.10	ND	
75-65-0	t-Butyl alcohol	0.39	3.93	ND	1.19	11.94	ND	
4227-95-6	Methyl iodide	0.39	1.18	ND	2.30	6.91	ND	
75-35-4	1,1-Dichloroethene	0.20	0.98	ND	0.78	3.90	ND	
107-13-1	Acrylonitrile	0.79	1.18	ND	1.71	2.57	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.98	ND	1.51	7.55	ND	
107-05-1	Allyl chloride	0.20	3.93	ND	0.62	12.32	ND	
75-09-2	Methylene chloride	0.20	0.98	ND	0.68	3.42	ND	
75-15-0	Carbon disulfide	0.39	0.98	ND	1.23	3.06	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.78	3.12	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.79	ND	1.42	2.84	ND	
107-12-0	Propionitrile	0.98	1.57	ND	2.22	3.55	ND	
75-34-3	1,1-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.98	ND	1.65	4.12	ND	
108-05-4	Vinyl acetate	0.20	3.93	ND	0.69	13.87	ND	
78-93-3	2-Butanone (MEK)	0.39	1.18	ND	1.16	3.48	ND	
108-20-3	Diisopropyl ether	0.39	2.36	ND	1.65	9.88	ND	
110-54-3	Hexane	0.39	0.98	ND	1.39	3.47	ND	
126-98-7	Methacrylonitrile	0.39	0.98	ND	1.08	2.70	ND	
141-78-6	Ethyl acetate	0.39	0.98	ND	1.42	3.55	ND	
74-97-5	Bromochloromethane	0.20	0.98	ND	1.04	5.21	ND	
96-33-3	Methyl acrylate	0.39	1.97	ND	1.39	6.93	ND	
109-99-9	Tetrahydrofuran	0.20	1.18	ND	0.58	3.48	ND	
78-83-1	Isobutyl alcohol	0.79	3.15	ND	2.39	9.55	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.98	ND	0.78	3.90	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	0.20	0.98	ND	0.91	4.55	ND	
67-66-3	Chloroform	0.20	0.98	ND	0.96	4.81	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
107-06-2	1,2-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
563-58-6	1,1-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
110-82-7	Cyclohexane	0.20	0.98	ND	0.68	3.39	ND	
71-43-2	Benzene	1.38	1.97	ND	4.40	6.29	ND	
56-23-5	Carbon tetrachloride	0.20	0.98	ND	1.24	6.19	ND	
994-05-8	t-Amyl methyl ether	0.39	1.97	ND	1.65	8.23	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.98	ND	0.92	4.60	ND	
142-82-5	n-Heptane	0.39	0.98	ND	1.61	4.04	ND	
78-87-5	1,2-Dichloropropane	0.20	0.98	ND	0.91	4.55	ND	
123-91-1	1,4 Dioxane	0.39	1.97	ND	1.42	7.10	ND	
74-95-3	Dibromomethane	0.20	0.98	ND	1.40	7.00	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.98	ND	0.53	5.29	ND	
75-27-4	Bromodichloromethane	0.20	0.98	ND	1.32	6.60	ND	
80-62-6	Methyl methacrylate	0.39	0.98	ND	1.61	4.03	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.15	ND	1.61	12.91	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
108-88-3	Toluene	0.79	0.98	ND	2.97	3.71	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
97-63-2	Ethyl methacrylate	0.39	0.98	ND	1.84	4.60	ND	
591-78-6	2-Hexanone	0.39	3.15	ND	1.61	12.91	ND	
142-28-9	1,3-Dichloropropane	0.20	2.75	ND	0.91	12.74	ND	
111-65-9	Octane	0.39	0.98	ND	1.84	4.60	ND	
124-48-1	Dibromochloromethane	0.39	0.98	ND	3.36	8.39	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.98	ND	3.03	7.57	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.98	ND	0.67	6.68	ND	
108-90-7	Chlorobenzene	0.39	0.98	ND	1.81	4.53	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.98	ND	2.70	6.76	ND	
100-41-4	Ethylbenzene	0.39	0.98	ND	1.71	4.28	ND	
1330-20-7	m,p-Xylenes	0.39	0.98	ND	1.71	4.28	ND	
111-84-2	Nonane	0.39	0.98	ND	2.07	5.17	ND	
100-42-5	Styrene	0.59	0.98	ND	2.52	4.20	ND	
75-25-2	Bromoform	0.39	0.98	ND	4.07	10.18	ND	
95-47-6	o-Xylene	0.39	0.98	ND	1.71	4.28	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.97	ND	5.41	13.52	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.36	ND	4.75	14.25	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.36	ND	4.03	12.08	ND	
103-65-1	n-Propylbenzene	0.79	2.75	ND	3.87	13.55	ND	
98-82-8	Isopropylbenzene	0.79	2.75	ND	3.87	13.55	ND	
622-96-8	4-Ethyltoluene	0.79	6.29	ND	3.87	30.98	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
124-18-5	Decane	0.79	2.36	ND	4.58	13.75	ND	
98-06-6	tert-butyl benzene	0.79	2.36	ND	4.32	12.97	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
538-93-2	i-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
135-98-8	sec-butylbenzene	0.79	2.75	ND	4.32	15.13	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.15	ND	4.74	18.94	ND	
99-87-6	Isopropyltoluene	0.79	2.36	ND	4.32	12.97	ND	
100-44-7	Benzyl chloride	0.79	1.97	ND	4.08	10.20	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	0.79	1.97	ND	4.74	11.84	ND	
104-51-8	n-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.75	ND	4.74	16.58	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.18	2.75	ND	11.42	26.65	ND	
120-82-1	1,2,4-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
91-20-3	Naphthalene	1.97	0.39	ND	10.33	2.07	ND	
87-61-6	1,2,3-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
87-68-3	Hexachlorobutadiene	0.98	1.18	ND	10.50	12.60	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 46**

File Name: 2531146A.D **Date Sampled:** 11/24/2025 **Time:** 09:39
Description T-404 **Date Analyzed:** 12/18/2025 **Time:** 15:44
Canister: 837 **Can Dilution Factor:** 1.18
QC_Batch: 121825-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	0.98	1.18	156.94	2.66	3.19	424.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311
Analytical Method: TO-15 **Laboratory ID:** 46

File Name: 225311 **Date Sampled:** 11/24/2025 **Time:** 09:39
Description T-404 **Date Analyzed:** 12/18/2025 **Time:** 15:44
Canister: 837 **Can Dilution Factor:** 1.18
QC_Batch: 121825-MA1 **Air Volume:** 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.75	5.90	ND	11.28	24.16	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: 225311

Analytical Method: TO-15 **Laboratory ID: 47**

File Name: 2531147A.D
Description: T-405
Canister: 852
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 10:49
Date Analyzed: 12/18/2025 **Time:** 16:22
Can Dilution Factor: 1.18
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	0.39	0.98	25.85	0.68	1.69	44.54	
75-71-8	Dichlorodifluoromethane	0.59	0.98	ND	2.92	4.87	ND	
67-56-1	Methanol	1.97	2.36	5.08	2.58	3.09	6.66	
74-87-3	Chloromethane	0.59	0.98	0.96	1.22	2.03	1.99	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.98	ND	2.75	6.88	ND	
75-01-4	Vinyl chloride	0.20	0.98	ND	0.51	2.52	ND	
106-99-0	1,3-Butadiene	0.20	0.98	ND	0.44	2.18	ND	
74-83-9	Bromomethane	0.39	0.98	ND	1.53	3.82	ND	
75-00-3	Chloroethane	0.39	0.98	ND	1.04	2.60	ND	
64-17-5	Ethanol	1.97	12.63	ND	3.71	23.84	ND	
107-02-8	Acrolein	0.39	1.18	2.83	0.90	2.71	6.50	
75-69-4	Trichlorofluoromethane	0.39	0.98	ND	2.21	5.53	ND	
67-64-1	Acetone	1.97	2.36	12.99	4.68	5.62	30.92	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.92	ND	1.94	12.10	ND	
75-65-0	t-Butyl alcohol	0.39	3.93	ND	1.19	11.94	ND	
4227-95-6	Methyl iodide	0.39	1.18	ND	2.30	6.91	ND	
75-35-4	1,1-Dichloroethene	0.20	0.98	ND	0.78	3.90	ND	
107-13-1	Acrylonitrile	0.79	1.18	ND	1.71	2.57	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.98	ND	1.51	7.55	ND	
107-05-1	Allyl chloride	0.20	3.93	ND	0.62	12.32	ND	
75-09-2	Methylene chloride	0.20	0.98	ND	0.68	3.42	ND	
75-15-0	Carbon disulfide	0.39	0.98	ND	1.23	3.06	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.78	3.12	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.79	ND	1.42	2.84	ND	
107-12-0	Propionitrile	0.98	1.57	ND	2.22	3.55	ND	
75-34-3	1,1-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.98	ND	1.65	4.12	ND	
108-05-4	Vinyl acetate	0.20	3.93	ND	0.69	13.87	ND	
78-93-3	2-Butanone (MEK)	0.39	1.18	6.11	1.16	3.48	18.04	
108-20-3	Diisopropyl ether	0.39	2.36	ND	1.65	9.88	ND	
110-54-3	Hexane	0.39	0.98	ND	1.39	3.47	ND	
126-98-7	Methacrylonitrile	0.39	0.98	ND	1.08	2.70	ND	
141-78-6	Ethyl acetate	0.39	0.98	ND	1.42	3.55	ND	
74-97-5	Bromochloromethane	0.20	0.98	ND	1.04	5.21	ND	
96-33-3	Methyl acrylate	0.39	1.97	ND	1.39	6.93	ND	
109-99-9	Tetrahydrofuran	0.20	1.18	3.94	0.58	3.48	11.63	
78-83-1	Isobutyl alcohol	0.79	3.15	ND	2.39	9.55	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.98	ND	0.78	3.90	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	0.20	0.98	ND	0.91	4.55	ND	
67-66-3	Chloroform	0.20	0.98	ND	0.96	4.81	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
107-06-2	1,2-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
563-58-6	1,1-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
110-82-7	Cyclohexane	0.20	0.98	ND	0.68	3.39	ND	
71-43-2	Benzene	1.38	1.97	ND	4.40	6.29	ND	
56-23-5	Carbon tetrachloride	0.20	0.98	ND	1.24	6.19	ND	
994-05-8	t-Amyl methyl ether	0.39	1.97	ND	1.65	8.23	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.98	ND	0.92	4.60	ND	
142-82-5	n-Heptane	0.39	0.98	ND	1.61	4.04	ND	
78-87-5	1,2-Dichloropropane	0.20	0.98	ND	0.91	4.55	ND	
123-91-1	1,4 Dioxane	0.39	1.97	ND	1.42	7.10	ND	
74-95-3	Dibromomethane	0.20	0.98	ND	1.40	7.00	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.98	ND	0.53	5.29	ND	
75-27-4	Bromodichloromethane	0.20	0.98	ND	1.32	6.60	ND	
80-62-6	Methyl methacrylate	0.39	0.98	ND	1.61	4.03	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.15	ND	1.61	12.91	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
108-88-3	Toluene	0.79	0.98	ND	2.97	3.71	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
97-63-2	Ethyl methacrylate	0.39	0.98	ND	1.84	4.60	ND	
591-78-6	2-Hexanone	0.39	3.15	0.41	1.61	12.91	1.68	J
142-28-9	1,3-Dichloropropane	0.20	2.75	ND	0.91	12.74	ND	
111-65-9	Octane	0.39	0.98	ND	1.84	4.60	ND	
124-48-1	Dibromochloromethane	0.39	0.98	ND	3.36	8.39	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.98	ND	3.03	7.57	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.98	ND	0.67	6.68	ND	
108-90-7	Chlorobenzene	0.39	0.98	ND	1.81	4.53	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.98	ND	2.70	6.76	ND	
100-41-4	Ethylbenzene	0.39	0.98	ND	1.71	4.28	ND	
1330-20-7	m,p-Xylenes	0.39	0.98	ND	1.71	4.28	ND	
111-84-2	Nonane	0.39	0.98	ND	2.07	5.17	ND	
100-42-5	Styrene	0.59	0.98	ND	2.52	4.20	ND	
75-25-2	Bromoform	0.39	0.98	ND	4.07	10.18	ND	
95-47-6	o-Xylene	0.39	0.98	ND	1.71	4.28	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.97	ND	5.41	13.52	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.36	ND	4.75	14.25	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.36	ND	4.03	12.08	ND	
103-65-1	n-Propylbenzene	0.79	2.75	ND	3.87	13.55	ND	
98-82-8	Isopropylbenzene	0.79	2.75	ND	3.87	13.55	ND	
622-96-8	4-Ethyltoluene	0.79	6.29	ND	3.87	30.98	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
124-18-5	Decane	0.79	2.36	ND	4.58	13.75	ND	
98-06-6	tert-butyl benzene	0.79	2.36	ND	4.32	12.97	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
538-93-2	i-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
135-98-8	sec-butylbenzene	0.79	2.75	ND	4.32	15.13	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.15	ND	4.74	18.94	ND	
99-87-6	Isopropyltoluene	0.79	2.36	ND	4.32	12.97	ND	
100-44-7	Benzyl chloride	0.79	1.97	ND	4.08	10.20	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	0.79	1.97	ND	4.74	11.84	ND	
104-51-8	n-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.75	ND	4.74	16.58	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.18	2.75	ND	11.42	26.65	ND	
120-82-1	1,2,4-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
91-20-3	Naphthalene	1.97	0.39	ND	10.33	2.07	ND	
87-61-6	1,2,3-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
87-68-3	Hexachlorobutadiene	0.98	1.18	ND	10.50	12.60	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 47**

File Name:	2531147A.D	**Date Sampled:**	11/24/2025	**Time:**	10:49
Description	T-405	**Date Analyzed:**	12/18/2025	**Time:**	16:22
Canister:	852	**Can Dilution Factor:**	1.18		
QC_Batch:	121825-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	0.98	1.18	155.05	2.66	3.19	419.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 47

File Name: 225311
Description T-405
Canister: 852
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 10:49
Date Analyzed: 12/18/2025 **Time:** 16:22
Can Dilution Factor: 1.18
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.75	5.90	ND	11.28	24.16	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: 225311

Analytical Method: TO-15 **Laboratory ID: 48**

File Name: 2531148A.D **Date Sampled:** 11/24/2025 **Time:** 10:46
Description: T-406 **Date Analyzed:** 12/18/2025 **Time:** 17:02
Canister: 634 **Can Dilution Factor:** 1.20
QC_Batch: 121825-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	0.40	1.00	0.70	0.69	1.72	1.21	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.89	2.62	3.15	5.10	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.06	0.92	2.76	2.42	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	5.10	4.76	5.71	12.13	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	0.84	1.18	3.54	2.48	J
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	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	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	13.77	0.54	5.38	74.11	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	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	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	2.00	0.40	ND	10.50	2.10	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	114	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 48**

File Name: 2531148A.D
Description T-406
Canister: 634
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 10:46
Date Analyzed: 12/18/2025 **Time:** 17:02
Can Dilution Factor: 1.20
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	1.00	1.20	154.85	2.71	3.25	418.88	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 48

File Name: 225311
Description T-406
Canister: 634
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 10:46
Date Analyzed: 12/18/2025 **Time:** 17:02
Can Dilution Factor: 1.20
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.80	6.00	ND	11.47	24.57	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: 225311

Analytical Method: TO-15 **Laboratory ID: 49**

File Name: 2531149A.D **Date Sampled:** 11/24/2025 **Time:** 10:46
Description: T-407 **Date Analyzed:** 12/18/2025 **Time:** 17:42
Canister: 417 **Can Dilution Factor:** 1.23
QC_Batch: 121825-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	0.41	1.03	1.09	0.71	1.77	1.88	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.05	5.08	ND	
67-56-1	Methanol	2.05	2.46	5.97	2.69	3.22	7.83	
74-87-3	Chloromethane	0.62	1.03	1.03	1.27	2.12	2.13	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.87	7.17	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.62	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.27	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.59	3.98	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.08	2.71	ND	
64-17-5	Ethanol	2.05	13.16	ND	3.87	24.85	ND	
107-02-8	Acrolein	0.41	1.23	1.79	0.94	2.83	4.12	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.31	5.77	ND	
67-64-1	Acetone	2.05	2.46	10.17	4.88	5.85	24.21	
67-63-0	2-propanol (isopropylalcohol)	0.82	5.13	ND	2.02	12.61	ND	
75-65-0	t-Butyl alcohol	0.41	4.10	ND	1.24	12.44	ND	
4227-95-6	Methyl iodide	0.41	1.23	ND	2.40	7.20	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.81	4.07	ND	
107-13-1	Acrylonitrile	0.82	1.23	ND	1.78	2.67	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.57	7.87	ND	
107-05-1	Allyl chloride	0.21	4.10	ND	0.64	12.85	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.71	3.56	ND	
75-15-0	Carbon disulfide	0.41	1.03	ND	1.28	3.19	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.82	ND	0.81	3.25	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.82	ND	1.48	2.96	ND	
107-12-0	Propionitrile	1.03	1.64	ND	2.31	3.70	ND	
75-34-3	1,1-Dichloroethane	0.20	1.03	ND	0.83	4.16	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.72	4.29	ND	
108-05-4	Vinyl acetate	0.21	4.10	ND	0.72	14.46	ND	
78-93-3	2-Butanone (MEK)	0.41	1.23	2.32	1.21	3.63	6.85	
108-20-3	Diisopropyl ether	0.41	2.46	ND	1.72	10.30	ND	
110-54-3	Hexane	0.41	1.03	ND	1.45	3.62	ND	
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.13	2.82	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.48	3.70	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.09	5.43	ND	
96-33-3	Methyl acrylate	0.41	2.05	ND	1.45	7.23	ND	
109-99-9	Tetrahydrofuran	0.21	1.23	0.74	0.61	3.63	2.20	J
78-83-1	Isobutyl alcohol	0.82	3.28	ND	2.49	9.95	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.81	4.07	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	0.21	1.03	ND	0.95	4.74	ND	
67-66-3	Chloroform	0.21	1.03	ND	1.01	5.01	ND	
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.83	4.16	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.53	ND	
71-43-2	Benzene	1.44	2.05	ND	4.59	6.56	ND	
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.29	6.46	ND	
994-05-8	t-Amyl methyl ether	0.41	2.05	ND	1.72	8.58	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.96	4.79	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.68	4.21	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.95	4.74	ND	
123-91-1	1,4 Dioxane	0.41	2.05	ND	1.48	7.40	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.46	7.30	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	9.02	0.55	5.52	48.56	
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.38	6.88	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.68	4.20	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.28	ND	1.68	13.46	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
108-88-3	Toluene	0.82	1.03	ND	3.09	3.87	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.92	4.79	ND	
591-78-6	2-Hexanone	0.41	3.28	ND	1.68	13.46	ND	
142-28-9	1,3-Dichloropropane	0.21	2.87	ND	0.95	13.28	ND	
111-65-9	Octane	0.41	1.03	ND	1.92	4.79	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.50	8.74	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.16	7.89	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	ND	0.70	6.96	ND	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.89	4.73	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.82	7.04	ND	
100-41-4	Ethylbenzene	0.41	1.03	ND	1.78	4.46	ND	
1330-20-7	m,p-Xylenes	0.41	1.03	ND	1.78	4.46	ND	
111-84-2	Nonane	0.41	1.03	ND	2.15	5.39	ND	
100-42-5	Styrene	0.62	1.03	ND	2.62	4.37	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.24	10.61	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.78	4.46	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.82	2.05	ND	5.64	14.09	ND	
96-18-4	1,2,3-Trichloropropane	0.82	2.46	ND	4.95	14.85	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.82	2.46	ND	4.20	12.59	ND	
103-65-1	n-Propylbenzene	0.82	2.87	ND	4.04	14.13	ND	
98-82-8	Isopropylbenzene	0.82	2.87	ND	4.04	14.13	ND	
622-96-8	4-Ethyltoluene	0.82	6.56	ND	4.04	32.29	ND	
108-67-8	1,3,5-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
124-18-5	Decane	0.82	2.46	ND	4.78	14.34	ND	
98-06-6	tert-butyl benzene	0.82	2.46	ND	4.51	13.52	ND	
95-63-6	1,2,4-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
538-93-2	i-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
135-98-8	sec-butylbenzene	0.82	2.87	ND	4.51	15.77	ND	
541-73-1	1,3-Dichlorobenzene	0.82	3.28	ND	4.94	19.75	ND	
99-87-6	Isopropyltoluene	0.82	2.46	1.02	4.51	13.52	5.58	J
100-44-7	Benzyl chloride	0.82	2.05	ND	4.25	10.63	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	0.82	2.05	ND	4.94	12.34	ND	
104-51-8	n-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
95-50-1	1,2-Dichlorobenzene	0.82	2.87	ND	4.94	17.28	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.23	2.87	ND	11.90	27.77	ND	
120-82-1	1,2,4-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
91-20-3	Naphthalene	2.05	0.41	ND	10.76	2.15	ND	
87-61-6	1,2,3-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
87-68-3	Hexachlorobutadiene	1.03	1.23	ND	10.95	13.14	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 49**

File Name:	2531149A.D	**Date Sampled:**	11/24/2025	**Time:**	10:46
Description	T-407	**Date Analyzed:**	12/18/2025	**Time:**	17:42
Canister:	417	**Can Dilution Factor:**	1.23		
QC_Batch:	121825-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	1.03	1.23	99.02	2.77	3.33	267.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 49

File Name: 225311
Description T-407
Canister: 417
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 10:46
Date Analyzed: 12/18/2025 **Time:** 17:42
Can Dilution Factor: 1.23
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.87	6.15	ND	11.75	25.19	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: 225311

Analytical Method: TO-15 **Laboratory ID: 50**

File Name: 2531150A.D
Description: T-408
Canister: 653
QC_Batch: 121825-MA1

Date Sampled: 11/24/25 **Time:** 10:44
Date Analyzed: 12/18/25 **Time:** 17:42
Can Dilution Factor: 1.22
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	0.41	1.02	56.78	0.70	1.75	97.86	
75-71-8	Dichlorodifluoromethane	0.61	1.02	ND	3.02	5.03	ND	
67-56-1	Methanol	2.03	2.44	ND	2.66	3.20	ND	
74-87-3	Chloromethane	0.61	1.02	1.17	1.26	2.10	2.43	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.02	ND	2.85	7.12	ND	
75-01-4	Vinyl chloride	0.20	1.02	ND	0.52	2.60	ND	
106-99-0	1,3-Butadiene	0.20	1.02	ND	0.45	2.25	ND	
74-83-9	Bromomethane	0.41	1.02	ND	1.58	3.95	ND	
75-00-3	Chloroethane	0.41	1.02	ND	1.07	2.69	ND	
64-17-5	Ethanol	2.03	13.05	ND	3.84	24.65	ND	
107-02-8	Acrolein	0.41	1.22	2.20	0.93	2.80	5.06	
75-69-4	Trichlorofluoromethane	0.41	1.02	ND	2.29	5.72	ND	
67-64-1	Acetone	2.03	2.44	5.43	4.84	5.81	12.91	
67-63-0	2-propanol (isopropylalcohol)	0.81	5.08	ND	2.00	12.51	ND	
75-65-0	t-Butyl alcohol	0.41	4.07	ND	1.23	12.34	ND	
4227-95-6	Methyl iodide	0.41	1.22	ND	2.38	7.14	ND	
75-35-4	1,1-Dichloroethene	0.20	1.02	ND	0.81	4.03	ND	
107-13-1	Acrylonitrile	0.81	1.22	ND	1.77	2.65	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.02	ND	1.56	7.80	ND	
107-05-1	Allyl chloride	0.20	4.07	ND	0.64	12.74	ND	
75-09-2	Methylene chloride	0.20	1.02	ND	0.71	3.54	ND	
75-15-0	Carbon disulfide	0.41	1.02	0.99	1.27	3.17	3.08	J
156-60-5	trans-1,2-Dichloroethene	0.20	0.81	ND	0.81	3.23	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.81	ND	1.47	2.93	ND	
107-12-0	Propionitrile	1.02	1.63	ND	2.29	3.67	ND	
75-34-3	1,1-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.02	ND	1.70	4.26	ND	
108-05-4	Vinyl acetate	0.20	4.07	ND	0.72	14.34	ND	
78-93-3	2-Butanone (MEK)	0.41	1.22	0.57	1.20	3.60	1.69	J
108-20-3	Diisopropyl ether	0.41	2.44	ND	1.70	10.21	ND	
110-54-3	Hexane	0.41	1.02	0.74	1.44	3.59	2.63	J
126-98-7	Methacrylonitrile	0.41	1.02	ND	1.12	2.79	ND	
141-78-6	Ethyl acetate	0.41	1.02	ND	1.47	3.67	ND	
74-97-5	Bromochloromethane	0.20	1.02	ND	1.08	5.39	ND	
96-33-3	Methyl acrylate	0.41	2.03	ND	1.43	7.17	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
109-99-9	Tetrahydrofuran	0.20	1.22	ND	0.60	3.60	ND	
78-83-1	Isobutyl alcohol	0.81	3.25	ND	2.47	9.87	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.02	ND	0.81	4.03	ND	
594-20-7	2,2-Dichloropropane	0.20	1.02	ND	0.94	4.71	ND	
67-66-3	Chloroform	0.20	1.02	ND	1.00	4.97	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
107-06-2	1,2-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
563-58-6	1,1-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
110-82-7	Cyclohexane	0.20	1.02	ND	0.70	3.51	ND	
71-43-2	Benzene	1.42	2.03	ND	4.55	6.50	ND	
56-23-5	Carbon tetrachloride	0.20	1.02	ND	1.28	6.40	ND	
994-05-8	t-Amyl methyl ether	0.41	2.03	ND	1.70	8.51	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.02	0.95	0.95	4.76	4.43	J
142-82-5	n-Heptane	0.41	1.02	ND	1.67	4.17	ND	
78-87-5	1,2-Dichloropropane	0.20	1.02	ND	0.94	4.71	ND	
123-91-1	1,4 Dioxane	0.41	2.03	ND	1.47	7.34	ND	
74-95-3	Dibromomethane	0.20	1.02	ND	1.45	7.24	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.02	ND	0.55	5.47	ND	
75-27-4	Bromodichloromethane	0.20	1.02	ND	1.36	6.82	ND	
80-62-6	Methyl methacrylate	0.41	1.02	ND	1.67	4.17	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.25	ND	1.67	13.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
108-88-3	Toluene	0.81	1.02	ND	3.07	3.83	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
97-63-2	Ethyl methacrylate	0.41	1.02	ND	1.90	4.76	ND	
591-78-6	2-Hexanone	0.41	3.25	ND	1.67	13.35	ND	
142-28-9	1,3-Dichloropropane	0.20	2.85	ND	0.94	13.17	ND	
111-65-9	Octane	0.41	1.02	ND	1.90	4.76	ND	
124-48-1	Dibromochloromethane	0.41	1.02	ND	3.47	8.67	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.02	ND	3.13	7.82	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.02	ND	0.69	6.90	ND	
108-90-7	Chlorobenzene	0.41	1.02	ND	1.88	4.69	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.02	ND	2.79	6.99	ND	
100-41-4	Ethylbenzene	0.41	1.02	ND	1.77	4.42	ND	
1330-20-7	m,p-Xylenes	0.41	1.02	ND	1.77	4.42	ND	
111-84-2	Nonane	0.41	1.02	ND	2.14	5.34	ND	
100-42-5	Styrene	0.61	1.02	ND	2.60	4.34	ND	
75-25-2	Bromoform	0.41	1.02	ND	4.21	10.52	ND	
95-47-6	o-Xylene	0.41	1.02	ND	1.77	4.42	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.81	2.03	ND	5.59	13.97	ND	
96-18-4	1,2,3-Trichloropropane	0.81	2.44	ND	4.91	14.73	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.81	2.44	ND	4.16	12.49	ND	
103-65-1	n-Propylbenzene	0.81	2.85	ND	4.00	14.01	ND	
98-82-8	Isopropylbenzene	0.81	2.85	ND	4.00	14.01	ND	
622-96-8	4-Ethyltoluene	0.81	6.51	ND	4.00	32.03	ND	
108-67-8	1,3,5-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
124-18-5	Decane	0.81	2.44	ND	4.74	14.22	ND	
98-06-6	tert-butyl benzene	0.81	2.44	ND	4.47	13.41	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
95-63-6	1,2,4-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
538-93-2	i-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
135-98-8	sec-butylbenzene	0.81	2.85	ND	4.47	15.65	ND	
541-73-1	1,3-Dichlorobenzene	0.81	3.25	ND	4.90	19.59	ND	
99-87-6	Isopropyltoluene	0.81	2.44	ND	4.47	13.41	ND	
100-44-7	Benzyl chloride	0.81	2.03	ND	4.22	10.54	ND	
106-46-7	1,4-Dichlorobenzene	0.81	2.03	ND	4.90	12.24	ND	
104-51-8	n-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
95-50-1	1,2-Dichlorobenzene	0.81	2.85	ND	4.90	17.14	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.22	2.85	ND	11.81	27.55	ND	
120-82-1	1,2,4-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
91-20-3	Naphthalene	2.03	0.41	ND	10.68	2.14	ND	
87-61-6	1,2,3-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
87-68-3	Hexachlorobutadiene	1.02	1.22	ND	10.86	13.03	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 50**

File Name:	2531150A.D	**Date Sampled:**	11/24/25	**Time:**	10:44
Descriptio	T-408	**Date Analyzed:**	12/18/25	**Time:**	17:42
Canister:	653	**Can Dilution Factor:**	1.22		
QC_Batch:	121825-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	1.02	1.22	246.77	2.75	3.30	667.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311
Analytical Method: TO-15 **Laboratory ID:** 50

File Name: 225311 **Date Sampled:** 11/24/25 **Time:** 10:44
Descriptio T-408 **Date Analyzed:** 12/18/25 **Time:** 17:42
Canister: 653 **Can Dilution Factor:** 1.22
QC_Batch: 121825-MA1 **Air Volume:** 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butane	2.85	6.10	16.10	11.66	24.98	65.95
2-Methyl butane	2.85	6.10	8.13	11.66	24.98	33.31
Cyclopentane	2.85	6.10	5.65	11.66	24.98	23.15

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: 225311
Laboratory ID: 51

File Name: 2531151A.D
Description: T-409
Canister: 655
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 11:52
Date Analyzed: 12/18/2025 **Time:** 20:19
Can Dilution Factor: 1.24
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	0.41	1.03	1.84	0.71	1.78	3.17	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.07	5.12	ND	
67-56-1	Methanol	2.07	2.48	13.58	2.71	3.25	17.80	
74-87-3	Chloromethane	0.62	1.03	1.05	1.28	2.14	2.17	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.89	7.23	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.65	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.29	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.61	4.02	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.09	2.73	ND	
64-17-5	Ethanol	2.07	13.27	ND	3.90	25.05	ND	
107-02-8	Acrolein	0.41	1.24	1.82	0.95	2.85	4.18	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.33	5.81	ND	
67-64-1	Acetone	2.07	2.48	13.68	4.92	5.90	32.55	
67-63-0	2-propanol (isopropylalcohol)	0.83	5.17	ND	2.03	12.72	ND	
75-65-0	t-Butyl alcohol	0.41	4.13	ND	1.25	12.54	ND	
4227-95-6	Methyl iodide	0.41	1.24	ND	2.42	7.26	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.82	4.10	ND	
107-13-1	Acrylonitrile	0.83	1.24	ND	1.80	2.70	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.59	7.93	ND	
107-05-1	Allyl chloride	0.21	4.13	ND	0.65	12.95	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.72	3.59	ND	
75-15-0	Carbon disulfide	0.41	1.03	ND	1.29	3.22	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.83	ND	0.82	3.28	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.83	ND	1.49	2.98	ND	
107-12-0	Propionitrile	1.03	1.65	ND	2.33	3.73	ND	
75-34-3	1,1-Dichloroethane	0.21	1.03	ND	0.84	4.19	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.73	4.33	ND	
108-05-4	Vinyl acetate	0.21	4.13	ND	0.73	14.58	ND	
78-93-3	2-Butanone (MEK)	0.41	1.24	1.27	1.22	3.66	3.76	
108-20-3	Diisopropyl ether	0.41	2.48	ND	1.73	10.38	ND	
110-54-3	Hexane	0.41	1.03	ND	1.46	3.65	ND	
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.14	2.84	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.49	3.73	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.10	5.48	ND	
96-33-3	Methyl acrylate	0.41	2.07	ND	1.46	7.29	ND	
109-99-9	Tetrahydrofuran	0.21	1.24	ND	0.61	3.66	ND	
78-83-1	Isobutyl alcohol	0.83	3.31	ND	2.51	10.03	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.82	4.10	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	0.21	1.03	ND	0.96	4.78	ND	
67-66-3	Chloroform	0.21	1.03	ND	1.01	5.05	ND	
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.13	5.65	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.84	4.19	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.56	ND	
71-43-2	Benzene	1.45	2.07	ND	4.63	6.61	ND	
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.30	6.51	ND	
994-05-8	t-Amyl methyl ether	0.41	2.07	ND	1.73	8.65	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.97	4.83	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.70	4.24	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.96	4.78	ND	
123-91-1	1,4 Dioxane	0.41	2.07	ND	1.49	7.46	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.47	7.36	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	13.22	0.56	5.56	71.16	
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.39	6.93	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.69	4.24	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.31	ND	1.70	13.57	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
108-88-3	Toluene	0.83	1.03	ND	3.12	3.90	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.13	5.65	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.93	4.83	ND	
591-78-6	2-Hexanone	0.41	3.31	ND	1.70	13.57	ND	
142-28-9	1,3-Dichloropropane	0.21	2.89	ND	0.96	13.39	ND	
111-65-9	Octane	0.41	1.03	ND	1.93	4.83	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.53	8.82	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.18	7.95	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	ND	0.70	7.02	ND	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.91	4.77	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.84	7.10	ND	
100-41-4	Ethylbenzene	0.41	1.03	ND	1.80	4.49	ND	
1330-20-7	m,p-Xylenes	0.41	1.03	ND	1.80	4.49	ND	
111-84-2	Nonane	0.41	1.03	ND	2.17	5.43	ND	
100-42-5	Styrene	0.62	1.03	ND	2.65	4.41	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.28	10.69	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.80	4.49	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.83	2.07	ND	5.68	14.20	ND	
96-18-4	1,2,3-Trichloropropane	0.83	2.48	ND	4.99	14.97	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.83	2.48	ND	4.23	12.70	ND	
103-65-1	n-Propylbenzene	0.83	2.89	ND	4.07	14.24	ND	
98-82-8	Isopropylbenzene	0.83	2.89	ND	4.07	14.24	ND	
622-96-8	4-Ethyltoluene	0.83	6.61	ND	4.07	32.56	ND	
108-67-8	1,3,5-Trimethylbenzene	0.83	3.72	ND	4.07	18.31	ND	
124-18-5	Decane	0.83	2.48	ND	4.82	14.45	ND	
98-06-6	tert-butyl benzene	0.83	2.48	ND	4.54	13.63	ND	
95-63-6	1,2,4-Trimethylbenzene	0.83	3.72	ND	4.07	18.31	ND	
538-93-2	i-Butylbenzene	0.83	2.48	ND	4.54	13.63	ND	
135-98-8	sec-butylbenzene	0.83	2.89	ND	4.54	15.90	ND	
541-73-1	1,3-Dichlorobenzene	0.83	3.31	ND	4.98	19.91	ND	
99-87-6	Isopropyltoluene	0.83	2.48	ND	4.54	13.63	ND	
100-44-7	Benzyl chloride	0.83	2.07	ND	4.29	10.72	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	0.83	2.07	ND	4.98	12.44	ND	
104-51-8	n-Butylbenzene	0.83	2.48	ND	4.54	13.63	ND	
95-50-1	1,2-Dichlorobenzene	0.83	2.89	ND	4.98	17.42	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.24	2.89	ND	12.00	28.00	ND	
120-82-1	1,2,4-Trichlorobenzene	1.24	2.07	ND	9.21	15.35	ND	
91-20-3	Naphthalene	2.07	0.41	ND	10.85	2.17	ND	
87-61-6	1,2,3-Trichlorobenzene	1.24	2.07	ND	9.21	15.35	ND	
87-68-3	Hexachlorobutadiene	1.03	1.24	ND	11.04	13.24	ND	

	Surrogate Recovery	% Rec.	QC Limits 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 51**

File Name: 2531151A.D **Date Sampled:** 11/24/2025 **Time:** 11:52
Description T-409 **Date Analyzed:** 12/18/2025 **Time:** 20:19
Canister: 655 **Can Dilution Factor:** 1.24
QC_Batch: 121825-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	1.03	1.24	167.34	2.80	3.35	452.67	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 51

File Name: 225311
Description T-409
Canister: 655
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 11:52
Date Analyzed: 12/18/2025 **Time:** 20:19
Can Dilution Factor: 1.24
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.89	6.20	ND	11.85	25.39	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: 225311

Analytical Method: TO-15 **Laboratory ID: 52**

File Name:	2531152A.D	**Date Sampled:**	11/24/2025	**Time:**	11:53
Description:	T-410	**Date Analyzed:**	12/18/2025	**Time:**	21:00
Canister:	849	**Can Dilution Factor:**	1.23		
QC_Batch:	121825-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	0.41	1.03	4.66	0.71	1.77	8.04	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.05	5.08	ND	
67-56-1	Methanol	2.05	2.46	4.39	2.69	3.22	5.76	
74-87-3	Chloromethane	0.62	1.03	0.65	1.27	2.12	1.34	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.87	7.17	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.62	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.27	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.59	3.98	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.08	2.71	ND	
64-17-5	Ethanol	2.05	13.16	ND	3.87	24.85	ND	
107-02-8	Acrolein	0.41	1.23	1.75	0.94	2.83	4.02	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.31	5.77	ND	
67-64-1	Acetone	2.05	2.46	9.34	4.88	5.85	22.23	
67-63-0	2-propanol (isopropylalcohol)	0.82	5.13	ND	2.02	12.61	ND	
75-65-0	t-Butyl alcohol	0.41	4.10	ND	1.24	12.44	ND	
4227-95-6	Methyl iodide	0.41	1.23	ND	2.40	7.20	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.81	4.07	ND	
107-13-1	Acrylonitrile	0.82	1.23	ND	1.78	2.67	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.57	7.87	ND	
107-05-1	Allyl chloride	0.21	4.10	ND	0.64	12.85	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.71	3.56	ND	
75-15-0	Carbon disulfide	0.41	1.03	7.76	1.28	3.19	24.19	
156-60-5	trans-1,2-Dichloroethene	0.21	0.82	ND	0.81	3.25	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.82	ND	1.48	2.96	ND	
107-12-0	Propionitrile	1.03	1.64	ND	2.31	3.70	ND	
75-34-3	1,1-Dichloroethane	0.20	1.03	ND	0.83	4.16	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.72	4.29	ND	
108-05-4	Vinyl acetate	0.21	4.10	ND	0.72	14.46	ND	
78-93-3	2-Butanone (MEK)	0.41	1.23	1.41	1.21	3.63	4.16	
108-20-3	Diisopropyl ether	0.41	2.46	ND	1.72	10.30	ND	
110-54-3	Hexane	0.41	1.03	ND	1.45	3.62	ND	
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.13	2.82	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.48	3.70	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.09	5.43	ND	
96-33-3	Methyl acrylate	0.41	2.05	ND	1.45	7.23	ND	
109-99-9	Tetrahydrofuran	0.21	1.23	ND	0.61	3.63	ND	
78-83-1	Isobutyl alcohol	0.82	3.28	ND	2.49	9.95	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.81	4.07	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	0.21	1.03	ND	0.95	4.74	ND	
67-66-3	Chloroform	0.21	1.03	1.74	1.01	5.01	8.50	
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.83	4.16	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.53	ND	
71-43-2	Benzene	1.44	2.05	ND	4.59	6.56	ND	
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.29	6.46	ND	
994-05-8	t-Amyl methyl ether	0.41	2.05	ND	1.72	8.58	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.96	4.79	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.68	4.21	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.95	4.74	ND	
123-91-1	1,4 Dioxane	0.41	2.05	ND	1.48	7.40	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.46	7.30	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	11.92	0.55	5.52	64.14	
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.38	6.88	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.68	4.20	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.28	ND	1.68	13.46	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
108-88-3	Toluene	0.82	1.03	ND	3.09	3.87	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.92	4.79	ND	
591-78-6	2-Hexanone	0.41	3.28	ND	1.68	13.46	ND	
142-28-9	1,3-Dichloropropane	0.21	2.87	ND	0.95	13.28	ND	
111-65-9	Octane	0.41	1.03	ND	1.92	4.79	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.50	8.74	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.16	7.89	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	ND	0.70	6.96	ND	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.89	4.73	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.82	7.04	ND	
100-41-4	Ethylbenzene	0.41	1.03	ND	1.78	4.46	ND	
1330-20-7	m,p-Xylenes	0.41	1.03	ND	1.78	4.46	ND	
111-84-2	Nonane	0.41	1.03	ND	2.15	5.39	ND	
100-42-5	Styrene	0.62	1.03	ND	2.62	4.37	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.24	10.61	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.78	4.46	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.82	2.05	ND	5.64	14.09	ND	
96-18-4	1,2,3-Trichloropropane	0.82	2.46	ND	4.95	14.85	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.82	2.46	ND	4.20	12.59	ND	
103-65-1	n-Propylbenzene	0.82	2.87	ND	4.04	14.13	ND	
98-82-8	Isopropylbenzene	0.82	2.87	ND	4.04	14.13	ND	
622-96-8	4-Ethyltoluene	0.82	6.56	ND	4.04	32.29	ND	
108-67-8	1,3,5-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
124-18-5	Decane	0.82	2.46	ND	4.78	14.34	ND	
98-06-6	tert-butyl benzene	0.82	2.46	ND	4.51	13.52	ND	
95-63-6	1,2,4-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
538-93-2	i-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
135-98-8	sec-butylbenzene	0.82	2.87	ND	4.51	15.77	ND	
541-73-1	1,3-Dichlorobenzene	0.82	3.28	ND	4.94	19.75	ND	
99-87-6	Isopropyltoluene	0.82	2.46	ND	4.51	13.52	ND	
100-44-7	Benzyl chloride	0.82	2.05	ND	4.25	10.63	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	0.82	2.05	ND	4.94	12.34	ND	
104-51-8	n-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
95-50-1	1,2-Dichlorobenzene	0.82	2.87	ND	4.94	17.28	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.23	2.87	ND	11.90	27.77	ND	
120-82-1	1,2,4-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
91-20-3	Naphthalene	2.05	0.41	ND	10.76	2.15	ND	
87-61-6	1,2,3-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
87-68-3	Hexachlorobutadiene	1.03	1.23	ND	10.95	13.14	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 52**

File Name:	2531152A.D	**Date Sampled:**	11/24/2025	**Time:**	11:53
Description	T-410	**Date Analyzed:**	12/18/2025	**Time:**	21:00
Canister:	849	**Can Dilution Factor:**	1.23		
QC_Batch:	121825-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	1.03	1.23	136.60	2.77	3.33	369.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 52

File Name: 225311
Description T-410
Canister: 849
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 11:53
Date Analyzed: 12/18/2025 **Time:** 21:00
Can Dilution Factor: 1.23
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.87	6.15	ND	11.75	25.19	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: 225311

Analytical Method: TO-15 **Laboratory ID: 53**

File Name:	2531153A.D	**Date Sampled:**	11/24/2025	**Time:**	11:49
Description:	T-411	**Date Analyzed:**	12/19/2025	**Time:**	13:15
Canister:	859	**Can Dilution Factor:**	1.23		
QC_Batch:	121925-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	0.41	1.03	30.93	0.71	1.77	53.30	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.05	5.08	ND	
67-56-1	Methanol	2.05	2.46	7.23	2.69	3.22	9.48	
74-87-3	Chloromethane	0.62	1.03	ND	1.27	2.12	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.87	7.17	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.62	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.27	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.59	3.98	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.08	2.71	ND	
64-17-5	Ethanol	2.05	13.16	ND	3.87	24.85	ND	
107-02-8	Acrolein	0.41	1.23	ND	0.94	2.83	ND	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.31	5.77	ND	
67-64-1	Acetone	2.05	2.46	6.42	4.88	5.85	15.28	
67-63-0	2-propanol (isopropylalcohol)	0.82	5.13	ND	2.02	12.61	ND	
75-65-0	t-Butyl alcohol	0.41	4.10	ND	1.24	12.44	ND	
4227-95-6	Methyl iodide	0.41	1.23	ND	2.40	7.20	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.81	4.07	ND	
107-13-1	Acrylonitrile	0.82	1.23	ND	1.78	2.67	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.57	7.87	ND	
107-05-1	Allyl chloride	0.21	4.10	ND	0.64	12.85	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.71	3.56	ND	
75-15-0	Carbon disulfide	0.41	1.03	ND	1.28	3.19	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.82	ND	0.81	3.25	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.82	ND	1.48	2.96	ND	
107-12-0	Propionitrile	1.03	1.64	ND	2.31	3.70	ND	
75-34-3	1,1-Dichloroethane	0.20	1.03	ND	0.83	4.16	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.72	4.29	ND	
108-05-4	Vinyl acetate	0.21	4.10	ND	0.72	14.46	ND	
78-93-3	2-Butanone (MEK)	0.41	1.23	0.81	1.21	3.63	2.41	J
108-20-3	Diisopropyl ether	0.41	2.46	ND	1.72	10.30	ND	
110-54-3	Hexane	0.41	1.03	0.77	1.45	3.62	2.71	J
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.13	2.82	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.48	3.70	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.09	5.43	ND	
96-33-3	Methyl acrylate	0.41	2.05	ND	1.45	7.23	ND	
109-99-9	Tetrahydrofuran	0.21	1.23	ND	0.61	3.63	ND	
78-83-1	Isobutyl alcohol	0.82	3.28	ND	2.49	9.95	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.81	4.07	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	0.21	1.03	ND	0.95	4.74	ND	
67-66-3	Chloroform	0.21	1.03	0.42	1.01	5.01	2.08	J
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.83	4.16	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.53	ND	
71-43-2	Benzene	1.44	2.05	1.54	4.59	6.56	4.92	J
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.29	6.46	ND	
994-05-8	t-Amyl methyl ether	0.41	2.05	ND	1.72	8.58	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.96	4.79	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.68	4.21	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.95	4.74	ND	
123-91-1	1,4 Dioxane	0.41	2.05	ND	1.48	7.40	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.46	7.30	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	0.67	0.55	5.52	3.59	J
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.38	6.88	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.68	4.20	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.28	ND	1.68	13.46	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
108-88-3	Toluene	0.82	1.03	ND	3.09	3.87	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.92	4.79	ND	
591-78-6	2-Hexanone	0.41	3.28	ND	1.68	13.46	ND	
142-28-9	1,3-Dichloropropane	0.21	2.87	ND	0.95	13.28	ND	
111-65-9	Octane	0.41	1.03	ND	1.92	4.79	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.50	8.74	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.16	7.89	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	1.19	0.70	6.96	8.09	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.89	4.73	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.82	7.04	ND	
100-41-4	Ethylbenzene	0.41	1.03	ND	1.78	4.46	ND	
1330-20-7	m,p-Xylenes	0.41	1.03	ND	1.78	4.46	ND	
111-84-2	Nonane	0.41	1.03	ND	2.15	5.39	ND	
100-42-5	Styrene	0.62	1.03	ND	2.62	4.37	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.24	10.61	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.78	4.46	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.82	2.05	ND	5.64	14.09	ND	
96-18-4	1,2,3-Trichloropropane	0.82	2.46	ND	4.95	14.85	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.82	2.46	ND	4.20	12.59	ND	
103-65-1	n-Propylbenzene	0.82	2.87	ND	4.04	14.13	ND	
98-82-8	Isopropylbenzene	0.82	2.87	ND	4.04	14.13	ND	
622-96-8	4-Ethyltoluene	0.82	6.56	ND	4.04	32.29	ND	
108-67-8	1,3,5-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
124-18-5	Decane	0.82	2.46	ND	4.78	14.34	ND	
98-06-6	tert-butyl benzene	0.82	2.46	ND	4.51	13.52	ND	
95-63-6	1,2,4-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
538-93-2	i-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
135-98-8	sec-butylbenzene	0.82	2.87	ND	4.51	15.77	ND	
541-73-1	1,3-Dichlorobenzene	0.82	3.28	ND	4.94	19.75	ND	
99-87-6	Isopropyltoluene	0.82	2.46	ND	4.51	13.52	ND	
100-44-7	Benzyl chloride	0.82	2.05	ND	4.25	10.63	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	0.82	2.05	ND	4.94	12.34	ND	
104-51-8	n-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
95-50-1	1,2-Dichlorobenzene	0.82	2.87	ND	4.94	17.28	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.23	2.87	ND	11.90	27.77	ND	
120-82-1	1,2,4-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
91-20-3	Naphthalene	2.05	0.41	ND	10.76	2.15	ND	
87-61-6	1,2,3-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
87-68-3	Hexachlorobutadiene	1.03	1.23	ND	10.95	13.14	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	109	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 53**

File Name: 2531153A.D
Description T-411
Canister: 859
QC_Batch: 121925-MA1

Date Sampled: 11/24/2025 **Time:** 11:49
Date Analyzed: 12/19/2025 **Time:** 13:15
Can Dilution Factor: 1.23
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	1.03	1.23	101.25	2.77	3.33	273.88	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 53

File Name: 225311
Description T-411
Canister: 859
QC_Batch: 121925-MA1

Date Sampled: 11/24/2025 **Time:** 11:49
Date Analyzed: 12/19/2025 **Time:** 13:15
Can Dilution Factor: 1.23
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butane	2.87	6.15	30.46	11.75	25.19	124.76
Cyclopentane	2.87	6.15	5.62	11.75	25.19	23.00
a-pinene	2.87	6.15	6.93	11.75	25.19	28.38

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: 225311

Analytical Method: TO-15 **Laboratory ID: 54**

File Name:	2531154A.D	**Date Sampled:**	11/24/2025	**Time:**	10:03
Description:	T-412	**Date Analyzed:**	12/19/2025	**Time:**	13:57
Canister:	534	**Can Dilution Factor:**	1.19		
QC_Batch:	121925-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	0.40	0.99	217.89	0.68	1.71	375.50	E
75-71-8	Dichlorodifluoromethane	0.60	0.99	ND	2.95	4.91	ND	
67-56-1	Methanol	1.98	2.38	2.41	2.60	3.12	3.16	
74-87-3	Chloromethane	0.60	0.99	3.62	1.23	2.05	7.49	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	0.99	ND	2.78	6.94	ND	
75-01-4	Vinyl chloride	0.20	0.99	ND	0.51	2.54	ND	
106-99-0	1,3-Butadiene	0.20	0.99	ND	0.44	2.20	ND	
74-83-9	Bromomethane	0.40	0.99	ND	1.54	3.85	ND	
75-00-3	Chloroethane	0.40	0.99	18.23	1.05	2.62	48.15	
64-17-5	Ethanol	1.98	12.73	ND	3.74	24.04	ND	
107-02-8	Acrolein	0.40	1.19	ND	0.91	2.73	ND	
75-69-4	Trichlorofluoromethane	0.40	0.99	ND	2.23	5.58	ND	
67-64-1	Acetone	1.98	2.38	71.46	4.72	5.66	170.05	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.96	ND	1.95	12.20	ND	
75-65-0	t-Butyl alcohol	0.40	3.97	ND	1.20	12.04	ND	
4227-95-6	Methyl iodide	0.40	1.19	0.53	2.32	6.96	3.07	J
75-35-4	1,1-Dichloroethene	0.20	0.99	ND	0.79	3.94	ND	
107-13-1	Acrylonitrile	0.79	1.19	ND	1.73	2.59	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.99	ND	1.52	7.61	ND	
107-05-1	Allyl chloride	0.20	3.97	ND	0.62	12.43	ND	
75-09-2	Methylene chloride	0.20	0.99	3.15	0.69	3.45	10.95	
75-15-0	Carbon disulfide	0.40	0.99	3.81	1.24	3.09	11.86	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.79	3.15	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.79	ND	1.43	2.86	ND	
107-12-0	Propionitrile	0.99	1.59	ND	2.24	3.58	ND	
75-34-3	1,1-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
637-92-3	Ethyl tert butyl ether	0.40	0.99	ND	1.66	4.15	ND	
108-05-4	Vinyl acetate	0.20	3.97	ND	0.70	13.99	ND	
78-93-3	2-Butanone (MEK)	0.40	1.19	61.16	1.17	3.51	180.60	
108-20-3	Diisopropyl ether	0.40	2.38	ND	1.66	9.96	ND	
110-54-3	Hexane	0.40	0.99	13.73	1.40	3.50	48.47	
126-98-7	Methacrylonitrile	0.40	0.99	ND	1.09	2.73	ND	
141-78-6	Ethyl acetate	0.40	0.99	ND	1.43	3.58	ND	
74-97-5	Bromochloromethane	0.20	0.99	ND	1.05	5.26	ND	
96-33-3	Methyl acrylate	0.40	1.98	ND	1.40	6.99	ND	
109-99-9	Tetrahydrofuran	0.20	1.19	36.63	0.59	3.51	108.16	
78-83-1	Isobutyl alcohol	0.79	3.17	ND	2.41	9.63	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.99	3.00	0.79	3.94	11.89	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
67-66-3	Chloroform	0.20	0.99	ND	0.97	4.85	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
107-06-2	1,2-Dichloroethane	0.20	0.99	21.65	0.80	4.02	87.76	
563-58-6	1,1-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
110-82-7	Cyclohexane	0.20	0.99	64.92	0.68	3.42	223.86	
71-43-2	Benzene	1.39	1.98	14.96	4.44	6.34	47.85	
56-23-5	Carbon tetrachloride	0.20	0.99	ND	1.25	6.25	ND	
994-05-8	t-Amyl methyl ether	0.40	1.98	ND	1.66	8.30	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.99	ND	0.93	4.64	ND	
142-82-5	n-Heptane	0.40	0.99	51.11	1.63	4.07	209.73	
78-87-5	1,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
123-91-1	1,4 Dioxane	0.40	1.98	ND	1.43	7.16	ND	
74-95-3	Dibromomethane	0.20	0.99	ND	1.41	7.06	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.99	2.98	0.53	5.34	16.02	
75-27-4	Bromodichloromethane	0.20	0.99	ND	1.33	6.65	ND	
80-62-6	Methyl methacrylate	0.40	0.99	ND	1.63	4.07	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.17	ND	1.63	13.02	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
108-88-3	Toluene	0.79	0.99	94.82	2.99	3.74	357.66	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
97-63-2	Ethyl methacrylate	0.40	0.99	ND	1.86	4.64	ND	
591-78-6	2-Hexanone	0.40	3.17	ND	1.63	13.02	ND	
142-28-9	1,3-Dichloropropane	0.20	2.78	ND	0.92	12.85	ND	
111-65-9	Octane	0.40	0.99	15.96	1.86	4.64	74.67	
124-48-1	Dibromochloromethane	0.40	0.99	ND	3.38	8.46	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	0.99	ND	3.05	7.63	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.99	3.63	0.67	6.73	24.67	
108-90-7	Chlorobenzene	0.40	0.99	ND	1.83	4.57	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	0.99	ND	2.73	6.81	ND	
100-41-4	Ethylbenzene	0.40	0.99	11.15	1.73	4.31	48.48	
1330-20-7	m,p-Xylenes	0.40	0.99	14.05	1.73	4.31	61.11	
111-84-2	Nonane	0.40	0.99	4.86	2.08	5.21	25.54	
100-42-5	Styrene	0.60	0.99	1.31	2.54	4.23	5.58	
75-25-2	Bromoform	0.40	0.99	ND	4.11	10.26	ND	
95-47-6	o-Xylene	0.40	0.99	3.35	1.73	4.31	14.58	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.98	ND	5.45	13.63	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.38	ND	4.79	14.37	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.38	ND	4.06	12.18	ND	
103-65-1	n-Propylbenzene	0.79	2.78	ND	3.91	13.67	ND	
98-82-8	Isopropylbenzene	0.79	2.78	ND	3.91	13.67	ND	
622-96-8	4-Ethyltoluene	0.79	6.35	1.32	3.91	31.24	6.51	J
108-67-8	1,3,5-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
124-18-5	Decane	0.79	2.38	ND	4.62	13.87	ND	
98-06-6	tert-butyl benzene	0.79	2.38	ND	4.36	13.08	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
538-93-2	i-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
135-98-8	sec-butylbenzene	0.79	2.78	ND	4.36	15.26	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.17	ND	4.78	19.10	ND	
99-87-6	Isopropyltoluene	0.79	2.38	1.49	4.36	13.08	8.21	J
100-44-7	Benzyl chloride	0.79	1.98	ND	4.11	10.28	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	0.79	1.98	ND	4.78	11.94	ND	
104-51-8	n-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.78	ND	4.78	16.72	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.19	2.78	ND	11.52	26.87	ND	
120-82-1	1,2,4-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
91-20-3	Naphthalene	1.98	0.40	ND	10.41	2.08	ND	
87-61-6	1,2,3-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
87-68-3	Hexachlorobutadiene	0.99	1.19	ND	10.59	12.71	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	124	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 54**

File Name:	2531154A.D	**Date Sampled:**	11/24/2025	**Time:**	10:03
Description	T-412	**Date Analyzed:**	12/19/2025	**Time:**	13:57
Canister:	534	**Can Dilution Factor:**	1.19		
QC_Batch:	121925-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	0.99	1.19	209.67	2.68	3.22	567.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 54

File Name: 225311
Description T-412
Canister: 534
QC_Batch: 121925-MA1

Date Sampled: 11/24/2025 **Time:** 10:03
Date Analyzed: 12/19/2025 **Time:** 13:57
Can Dilution Factor: 1.19
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butane	2.78	5.95	162.91	11.37	24.37	667.20
2-methyl butane	2.78	5.95	103.41	11.37	24.37	423.52
Pentane	2.78	5.95	55.41	11.37	24.37	226.95
2-Methyl hexane	2.78	5.95	28.20	11.37	24.37	115.51
Methylcyclohexane	2.78	5.95	31.10	11.37	24.37	127.36
Dimethyl disulfide	2.78	5.95	35.42	11.37	24.37	145.07
Dimethyl heptane	2.78	5.95	18.29	11.37	24.37	74.89
a-Pinene	2.78	5.95	103.89	11.37	24.37	425.47
b-Pinene	2.78	5.95	21.22	11.37	24.37	86.91
D-Limonene	2.78	5.95	34.79	11.37	24.37	142.47

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: 225311
Laboratory ID: 55

File Name: 2531155A.D
Description: T-413
Canister: 502
QC_Batch: 121925-MA1

Date Sampled: 11/24/2025 **Time:** 11:54
Date Analyzed: 12/19/2025 **Time:** 14:42
Can Dilution Factor: 1.32
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	0.44	1.10	243.40	0.76	1.90	419.47	E
75-71-8	Dichlorodifluoromethane	0.66	1.10	ND	3.27	5.45	ND	
67-56-1	Methanol	2.20	2.64	2.59	2.88	3.46	3.40	J
74-87-3	Chloromethane	0.66	1.10	4.45	1.37	2.28	9.19	
76-14-2	1,2-Dichlorotetrafluoroethane	0.44	1.10	ND	3.08	7.70	ND	
75-01-4	Vinyl chloride	0.22	1.10	ND	0.57	2.82	ND	
106-99-0	1,3-Butadiene	0.22	1.10	ND	0.49	2.44	ND	
74-83-9	Bromomethane	0.44	1.10	ND	1.71	4.28	ND	
75-00-3	Chloroethane	0.44	1.10	20.61	1.16	2.91	54.46	
64-17-5	Ethanol	2.20	14.12	ND	4.15	26.67	ND	
107-02-8	Acrolein	0.44	1.32	ND	1.01	3.03	ND	
75-69-4	Trichlorofluoromethane	0.44	1.10	ND	2.48	6.19	ND	
67-64-1	Acetone	2.20	2.64	69.19	5.23	6.28	164.62	
67-63-0	2-propanol (isopropylalcohol)	0.88	5.50	ND	2.17	13.54	ND	
75-65-0	t-Butyl alcohol	0.44	4.40	ND	1.34	13.35	ND	
4227-95-6	Methyl iodide	0.44	1.32	0.52	2.58	7.73	3.06	J
75-35-4	1,1-Dichloroethene	0.22	1.10	ND	0.87	4.37	ND	
107-13-1	Acrylonitrile	0.88	1.32	ND	1.91	2.87	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.22	1.10	ND	1.69	8.44	ND	
107-05-1	Allyl chloride	0.22	4.40	ND	0.69	13.79	ND	
75-09-2	Methylene chloride	0.22	1.10	3.31	0.76	3.82	11.51	
75-15-0	Carbon disulfide	0.44	1.10	4.56	1.37	3.43	14.21	
156-60-5	trans-1,2-Dichloroethene	0.22	0.88	ND	0.87	3.49	ND	
1634-04-4	Methyl tert butyl ether	0.44	0.88	ND	1.59	3.18	ND	
107-12-0	Propionitrile	1.10	1.76	ND	2.48	3.97	ND	
75-34-3	1,1-Dichloroethane	0.22	1.10	ND	0.89	4.46	ND	
637-92-3	Ethyl tert butyl ether	0.44	1.10	ND	1.84	4.60	ND	
108-05-4	Vinyl acetate	0.22	4.40	ND	0.78	15.52	ND	
78-93-3	2-Butanone (MEK)	0.44	1.32	65.37	1.30	3.90	193.03	
108-20-3	Diisopropyl ether	0.44	2.64	ND	1.84	11.05	ND	
110-54-3	Hexane	0.44	1.10	16.38	1.55	3.88	57.82	
126-98-7	Methacrylonitrile	0.44	1.10	ND	1.21	3.02	ND	
141-78-6	Ethyl acetate	0.44	1.10	ND	1.59	3.97	ND	
74-97-5	Bromochloromethane	0.22	1.10	ND	1.17	5.83	ND	
96-33-3	Methyl acrylate	0.44	2.20	ND	1.55	7.76	ND	
109-99-9	Tetrahydrofuran	0.22	1.32	38.88	0.65	3.90	114.80	
78-83-1	Isobutyl alcohol	0.88	3.52	ND	2.67	10.68	ND	
156-59-2	cis-1,2-Dichloroethene	0.22	1.10	3.39	0.87	4.37	13.45	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.22	1.10	ND	1.02	5.09	ND	
67-66-3	Chloroform	0.22	1.10	ND	1.08	5.38	ND	
71-55-6	1,1,1-Trichloroethane	0.22	1.10	ND	1.20	6.01	ND	
107-06-2	1,2-Dichloroethane	0.22	1.10	25.27	0.89	4.46	102.45	
563-58-6	1,1-Dichloropropene	0.22	1.10	ND	1.00	5.00	ND	
110-82-7	Cyclohexane	0.22	1.10	75.49	0.76	3.79	260.31	
71-43-2	Benzene	1.54	2.20	17.99	4.93	7.04	57.55	
56-23-5	Carbon tetrachloride	0.22	1.10	ND	1.39	6.93	ND	
994-05-8	t-Amyl methyl ether	0.44	2.20	ND	1.84	9.21	ND	
540-84-1	2,2,4-Trimethylpentane	0.22	1.10	ND	1.03	5.14	ND	
142-82-5	n-Heptane	0.44	1.10	60.55	1.81	4.51	248.47	
78-87-5	1,2-Dichloropropane	0.22	1.10	ND	1.02	5.09	ND	
123-91-1	1,4 Dioxane	0.44	2.20	ND	1.59	7.94	ND	
74-95-3	Dibromomethane	0.22	1.10	ND	1.57	7.83	ND	
79-01-6	Trichloroethene (TCE)	0.11	1.10	3.47	0.59	5.92	18.68	
75-27-4	Bromodichloromethane	0.22	1.10	ND	1.48	7.38	ND	
80-62-6	Methyl methacrylate	0.44	1.10	ND	1.80	4.51	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.44	3.52	ND	1.81	14.44	ND	
10061-01-5	cis-1,3-Dichloropropene	0.22	1.10	ND	1.00	5.00	ND	
108-88-3	Toluene	0.88	1.10	117.07	3.32	4.15	441.57	E
10061-02-6	trans-1,3-Dichloropropene	0.22	1.10	ND	1.00	5.00	ND	
79-00-5	1,1,2-Trichloroethane	0.22	1.10	ND	1.20	6.01	ND	
97-63-2	Ethyl methacrylate	0.44	1.10	ND	2.06	5.14	ND	
591-78-6	2-Hexanone	0.44	3.52	ND	1.81	14.44	ND	
142-28-9	1,3-Dichloropropane	0.22	3.08	ND	1.02	14.25	ND	
111-65-9	Octane	0.44	1.10	22.18	2.06	5.14	103.75	
124-48-1	Dibromochloromethane	0.44	1.10	ND	3.75	9.38	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.44	1.10	ND	3.39	8.46	ND	
127-18-4	Tetrachloroethene (PCE)	0.11	1.10	4.59	0.75	7.47	31.20	
108-90-7	Chlorobenzene	0.44	1.10	ND	2.03	5.07	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.44	1.10	ND	3.02	7.56	ND	
100-41-4	Ethylbenzene	0.44	1.10	18.99	1.91	4.78	82.60	
1330-20-7	m,p-Xylenes	0.44	1.10	32.27	1.91	4.78	140.36	
111-84-2	Nonane	0.44	1.10	13.83	2.31	5.78	72.69	
100-42-5	Styrene	0.66	1.10	5.23	2.82	4.69	22.32	
75-25-2	Bromoform	0.44	1.10	ND	4.55	11.38	ND	
95-47-6	o-Xylene	0.44	1.10	10.44	1.91	4.78	45.41	
79-34-5	1,1,2,2-Tetrachloroethane	0.88	2.20	ND	6.05	15.12	ND	
96-18-4	1,2,3-Trichloropropane	0.88	2.64	ND	5.31	15.94	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.88	2.64	ND	4.51	13.52	ND	
103-65-1	n-Propylbenzene	0.88	3.08	ND	4.33	15.16	ND	
98-82-8	Isopropylbenzene	0.88	3.08	ND	4.33	15.16	ND	
622-96-8	4-Ethyltoluene	0.88	7.04	3.28	4.33	34.66	16.15	J
108-67-8	1,3,5-Trimethylbenzene	0.88	3.96	ND	4.33	19.49	ND	
124-18-5	Decane	0.88	2.64	4.95	5.13	15.39	28.82	
98-06-6	tert-butyl benzene	0.88	2.64	ND	4.84	14.51	ND	
95-63-6	1,2,4-Trimethylbenzene	0.88	3.96	2.67	4.33	19.49	13.13	J
538-93-2	i-Butylbenzene	0.88	2.64	ND	4.84	14.51	ND	
135-98-8	sec-butylbenzene	0.88	3.08	ND	4.84	16.93	ND	
541-73-1	1,3-Dichlorobenzene	0.88	3.52	ND	5.30	21.19	ND	
99-87-6	Isopropyltoluene	0.88	2.64	5.79	4.84	14.51	31.80	
100-44-7	Benzyl chloride	0.88	2.20	ND	4.56	11.41	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	0.88	2.20	ND	5.30	13.24	ND	
104-51-8	n-Butylbenzene	0.88	2.64	ND	4.84	14.51	ND	
95-50-1	1,2-Dichlorobenzene	0.88	3.08	ND	5.30	18.54	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.32	3.08	ND	12.77	29.81	ND	
120-82-1	1,2,4-Trichlorobenzene	1.32	2.20	ND	9.81	16.34	ND	
91-20-3	Naphthalene	2.20	0.44	ND	11.55	2.31	ND	
87-61-6	1,2,3-Trichlorobenzene	1.32	2.20	ND	9.81	16.34	ND	
87-68-3	Hexachlorobutadiene	1.10	1.32	ND	11.75	14.10	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID:** 55

File Name:	2531155A.D	**Date Sampled:**	11/24/2025	**Time:**	11:54
Description	T-413	**Date Analyzed:**	12/19/2025	**Time:**	14:42
Canister:	502	**Can Dilution Factor:**	1.32		
QC_Batch:	121925-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	1.10	1.32	235.31	2.98	3.57	636.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 55

File Name: 225311
Description T-413
Canister: 502
QC_Batch: 121925-MA1

Date Sampled: 11/24/2025 **Time:** 11:54
Date Analyzed: 12/19/2025 **Time:** 14:42
Can Dilution Factor: 1.32
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butane	3.08	6.60	177.58	12.61	27.03	727.30
2-methyl butane	3.08	6.60	116.86	12.61	27.03	478.62
Pentane	3.08	6.60	63.18	12.61	27.03	258.77
2-Methyl hexane	3.08	6.60	33.62	12.61	27.03	137.67
Methylcyclohexane	3.08	6.60	43.21	12.61	27.03	176.96
Dimethyl disulfide	3.08	6.60	41.80	12.61	27.03	171.19
Dimethyl heptane	3.08	6.60	3.21	12.61	27.03	13.15
a-Pinene	3.08	6.60	121.00	12.61	27.03	495.56
b-Pinene	3.08	6.60	56.98	12.61	27.03	233.36
D-Limonene	3.08	6.60	143.13	12.61	27.03	586.20

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: 225311

Analytical Method: TO-15 **Laboratory ID: 56**

File Name:	2531156A.D	**Date Sampled:**	11/24/2025	**Time:**	11:32
Description:	T-414	**Date Analyzed:**	12/18/2025	**Time:**	12:20
Canister:	739	**Can Dilution Factor:**	1.16		
QC_Batch:	121825-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	0.39	0.97	28.38	0.67	1.67	48.90	
75-71-8	Dichlorodifluoromethane	0.58	0.97	ND	2.87	4.79	ND	
67-56-1	Methanol	1.93	2.32	ND	2.53	3.04	ND	
74-87-3	Chloromethane	0.58	0.97	ND	1.20	2.00	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.97	ND	2.71	6.77	ND	
75-01-4	Vinyl chloride	0.19	0.97	ND	0.50	2.47	ND	
106-99-0	1,3-Butadiene	0.19	0.97	ND	0.43	2.14	ND	
74-83-9	Bromomethane	0.39	0.97	ND	1.50	3.76	ND	
75-00-3	Chloroethane	0.39	0.97	ND	1.02	2.55	ND	
64-17-5	Ethanol	1.93	12.41	ND	3.65	23.43	ND	
107-02-8	Acrolein	0.39	1.16	ND	0.89	2.67	ND	
75-69-4	Trichlorofluoromethane	0.39	0.97	ND	2.18	5.44	ND	
67-64-1	Acetone	1.93	2.32	ND	4.60	5.52	ND	
67-63-0	2-propanol (isopropylalcohol)	0.77	4.83	ND	1.90	11.90	ND	
75-65-0	t-Butyl alcohol	0.39	3.87	ND	1.17	11.73	ND	
4227-95-6	Methyl iodide	0.39	1.16	ND	2.26	6.79	ND	
75-35-4	1,1-Dichloroethene	0.19	0.97	ND	0.77	3.84	ND	
107-13-1	Acrylonitrile	0.77	1.16	ND	1.68	2.52	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.19	0.97	ND	1.48	7.42	ND	
107-05-1	Allyl chloride	0.19	3.87	ND	0.61	12.11	ND	
75-09-2	Methylene chloride	0.19	0.97	ND	0.67	3.36	ND	
75-15-0	Carbon disulfide	0.39	0.97	ND	1.21	3.01	ND	
156-60-5	trans-1,2-Dichloroethene	0.19	0.77	ND	0.77	3.07	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.77	ND	1.40	2.79	ND	
107-12-0	Propionitrile	0.97	1.55	ND	2.18	3.49	ND	
75-34-3	1,1-Dichloroethane	0.19	0.97	ND	0.78	3.92	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.97	ND	1.62	4.05	ND	
108-05-4	Vinyl acetate	0.19	3.87	ND	0.68	13.63	ND	
78-93-3	2-Butanone (MEK)	0.39	1.16	ND	1.14	3.43	ND	
108-20-3	Diisopropyl ether	0.39	2.32	ND	1.62	9.71	ND	
110-54-3	Hexane	0.39	0.97	ND	1.37	3.41	ND	
126-98-7	Methacrylonitrile	0.39	0.97	ND	1.06	2.66	ND	
141-78-6	Ethyl acetate	0.39	0.97	ND	1.40	3.49	ND	
74-97-5	Bromochloromethane	0.19	0.97	ND	1.02	5.12	ND	
96-33-3	Methyl acrylate	0.39	1.93	ND	1.36	6.82	ND	
109-99-9	Tetrahydrofuran	0.19	1.16	ND	0.57	3.43	ND	
78-83-1	Isobutyl alcohol	0.77	3.09	ND	2.35	9.39	ND	
156-59-2	cis-1,2-Dichloroethene	0.19	0.97	ND	0.77	3.84	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	0.19	0.97	ND	0.89	4.47	ND	
67-66-3	Chloroform	0.19	0.97	ND	0.95	4.73	ND	
71-55-6	1,1,1-Trichloroethane	0.19	0.97	ND	1.06	5.28	ND	
107-06-2	1,2-Dichloroethane	0.19	0.97	ND	0.78	3.92	ND	
563-58-6	1,1-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
110-82-7	Cyclohexane	0.19	0.97	ND	0.67	3.33	ND	
71-43-2	Benzene	1.35	1.93	ND	4.33	6.18	ND	
56-23-5	Carbon tetrachloride	0.19	0.97	ND	1.22	6.09	ND	
994-05-8	t-Amyl methyl ether	0.39	1.93	ND	1.62	8.09	ND	
540-84-1	2,2,4-Trimethylpentane	0.19	0.97	ND	0.90	4.52	ND	
142-82-5	n-Heptane	0.39	0.97	ND	1.59	3.97	ND	
78-87-5	1,2-Dichloropropane	0.19	0.97	ND	0.89	4.47	ND	
123-91-1	1,4 Dioxane	0.39	1.93	ND	1.40	6.98	ND	
74-95-3	Dibromomethane	0.19	0.97	ND	1.38	6.88	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.97	ND	0.52	5.20	ND	
75-27-4	Bromodichloromethane	0.19	0.97	ND	1.30	6.48	ND	
80-62-6	Methyl methacrylate	0.39	0.97	ND	1.59	3.96	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.09	ND	1.59	12.69	ND	
10061-01-5	cis-1,3-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
108-88-3	Toluene	0.77	0.97	ND	2.92	3.65	ND	
10061-02-6	trans-1,3-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
79-00-5	1,1,2-Trichloroethane	0.19	0.97	ND	1.06	5.28	ND	
97-63-2	Ethyl methacrylate	0.39	0.97	ND	1.81	4.52	ND	
591-78-6	2-Hexanone	0.39	3.09	ND	1.59	12.69	ND	
142-28-9	1,3-Dichloropropane	0.19	2.71	ND	0.89	12.53	ND	
111-65-9	Octane	0.39	0.97	ND	1.81	4.52	ND	
124-48-1	Dibromochloromethane	0.39	0.97	ND	3.30	8.25	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.97	ND	2.98	7.44	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.97	ND	0.66	6.56	ND	
108-90-7	Chlorobenzene	0.39	0.97	ND	1.78	4.46	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.97	ND	2.66	6.64	ND	
100-41-4	Ethylbenzene	0.39	0.97	ND	1.68	4.20	ND	
1330-20-7	m,p-Xylenes	0.39	0.97	ND	1.68	4.20	ND	
111-84-2	Nonane	0.39	0.97	ND	2.03	5.08	ND	
100-42-5	Styrene	0.58	0.97	ND	2.48	4.13	ND	
75-25-2	Bromoform	0.39	0.97	ND	4.00	10.00	ND	
95-47-6	o-Xylene	0.39	0.97	ND	1.68	4.20	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.77	1.93	ND	5.31	13.29	ND	
96-18-4	1,2,3-Trichloropropane	0.77	2.32	ND	4.67	14.01	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.77	2.32	ND	3.96	11.88	ND	
103-65-1	n-Propylbenzene	0.77	2.71	ND	3.81	13.32	ND	
98-82-8	Isopropylbenzene	0.77	2.71	ND	3.81	13.32	ND	
622-96-8	4-Ethyltoluene	0.77	6.19	ND	3.81	30.46	ND	
108-67-8	1,3,5-Trimethylbenzene	0.77	3.48	ND	3.81	17.13	ND	
124-18-5	Decane	0.77	2.32	ND	4.51	13.52	ND	
98-06-6	tert-butyl benzene	0.77	2.32	ND	4.25	12.75	ND	
95-63-6	1,2,4-Trimethylbenzene	0.77	3.48	ND	3.81	17.13	ND	
538-93-2	i-Butylbenzene	0.77	2.32	ND	4.25	12.75	ND	
135-98-8	sec-butylbenzene	0.77	2.71	ND	4.25	14.88	ND	
541-73-1	1,3-Dichlorobenzene	0.77	3.09	ND	4.66	18.62	ND	
99-87-6	Isopropyltoluene	0.77	2.32	ND	4.25	12.75	ND	
100-44-7	Benzyl chloride	0.77	1.93	ND	4.01	10.02	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	0.77	1.93	ND	4.66	11.64	ND	
104-51-8	n-Butylbenzene	0.77	2.32	ND	4.25	12.75	ND	
95-50-1	1,2-Dichlorobenzene	0.77	2.71	ND	4.66	16.30	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.16	2.71	ND	11.23	26.19	ND	
120-82-1	1,2,4-Trichlorobenzene	1.16	1.93	ND	8.62	14.36	ND	
91-20-3	Naphthalene	1.93	0.39	ND	10.15	2.03	ND	
87-61-6	1,2,3-Trichlorobenzene	1.16	1.93	ND	8.62	14.36	ND	
87-68-3	Hexachlorobutadiene	0.97	1.16	ND	10.33	12.39	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311
Analytical Method: TO-15 **Laboratory ID:** 56

File Name: 2531156A.D
Description T-414
Canister: 739
QC_Batch: 121825-MA1

Date Sampled: 11/24/2025 **Time:** 11:32
Date Analyzed: 12/18/2025 **Time:** 12:20
Can Dilution Factor: 1.16
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	0.97	1.16	221.88	2.61	3.14	600.19	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225311
Analytical Method: TO-15 **Laboratory ID:** 56

File Name: 225311 **Date Sampled:** 11/24/2025 **Time:** 11:32
Description T-414 **Date Analyzed:** 12/18/2025 **Time:** 12:20
Canister: 739 **Can Dilution Factor:** 1.16
QC_Batch: 121825-MA1 **Air Volume:** 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.71	5.80	ND	11.09	23.75	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: 225311

Analytical Method: TO-15 **Laboratory ID: 57**

File Name: 2531157A.D **Date Sampled:** 11/25/2025 **Time:** 07:34
Description: T-501 **Date Analyzed:** 12/19/2025 **Time:** 15:21
Canister: 703 **Can Dilution Factor:** 1.19
QC_Batch: 121925-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	0.40	0.99	4.34	0.68	1.71	7.48	
75-71-8	Dichlorodifluoromethane	0.60	0.99	ND	2.95	4.91	ND	
67-56-1	Methanol	1.98	2.38	ND	2.60	3.12	ND	
74-87-3	Chloromethane	0.60	0.99	ND	1.23	2.05	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	0.99	ND	2.78	6.94	ND	
75-01-4	Vinyl chloride	0.20	0.99	ND	0.51	2.54	ND	
106-99-0	1,3-Butadiene	0.20	0.99	ND	0.44	2.20	ND	
74-83-9	Bromomethane	0.40	0.99	ND	1.54	3.85	ND	
75-00-3	Chloroethane	0.40	0.99	ND	1.05	2.62	ND	
64-17-5	Ethanol	1.98	12.73	ND	3.74	24.04	ND	
107-02-8	Acrolein	0.40	1.19	0.80	0.91	2.73	1.83	J
75-69-4	Trichlorofluoromethane	0.40	0.99	ND	2.23	5.58	ND	
67-64-1	Acetone	1.98	2.38	3.84	4.72	5.66	9.13	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.96	ND	1.95	12.20	ND	
75-65-0	t-Butyl alcohol	0.40	3.97	ND	1.20	12.04	ND	
4227-95-6	Methyl iodide	0.40	1.19	ND	2.32	6.96	ND	
75-35-4	1,1-Dichloroethene	0.20	0.99	ND	0.79	3.94	ND	
107-13-1	Acrylonitrile	0.79	1.19	ND	1.73	2.59	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.99	ND	1.52	7.61	ND	
107-05-1	Allyl chloride	0.20	3.97	ND	0.62	12.43	ND	
75-09-2	Methylene chloride	0.20	0.99	ND	0.69	3.45	ND	
75-15-0	Carbon disulfide	0.40	0.99	ND	1.24	3.09	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.79	3.15	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.79	ND	1.43	2.86	ND	
107-12-0	Propionitrile	0.99	1.59	ND	2.24	3.58	ND	
75-34-3	1,1-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
637-92-3	Ethyl tert butyl ether	0.40	0.99	ND	1.66	4.15	ND	
108-05-4	Vinyl acetate	0.20	3.97	ND	0.70	13.99	ND	
78-93-3	2-Butanone (MEK)	0.40	1.19	0.91	1.17	3.51	2.68	J
108-20-3	Diisopropyl ether	0.40	2.38	ND	1.66	9.96	ND	
110-54-3	Hexane	0.40	0.99	ND	1.40	3.50	ND	
126-98-7	Methacrylonitrile	0.40	0.99	ND	1.09	2.73	ND	
141-78-6	Ethyl acetate	0.40	0.99	ND	1.43	3.58	ND	
74-97-5	Bromochloromethane	0.20	0.99	ND	1.05	5.26	ND	
96-33-3	Methyl acrylate	0.40	1.98	ND	1.40	6.99	ND	
109-99-9	Tetrahydrofuran	0.20	1.19	ND	0.59	3.51	ND	
78-83-1	Isobutyl alcohol	0.79	3.17	ND	2.41	9.63	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.99	ND	0.79	3.94	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	0.20	0.99	ND	0.92	4.59	ND	
67-66-3	Chloroform	0.20	0.99	ND	0.97	4.85	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
107-06-2	1,2-Dichloroethane	0.20	0.99	ND	0.80	4.02	ND	
563-58-6	1,1-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
110-82-7	Cyclohexane	0.20	0.99	ND	0.68	3.42	ND	
71-43-2	Benzene	1.39	1.98	ND	4.44	6.34	ND	
56-23-5	Carbon tetrachloride	0.20	0.99	ND	1.25	6.25	ND	
994-05-8	t-Amyl methyl ether	0.40	1.98	ND	1.66	8.30	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.99	ND	0.93	4.64	ND	
142-82-5	n-Heptane	0.40	0.99	ND	1.63	4.07	ND	
78-87-5	1,2-Dichloropropane	0.20	0.99	ND	0.92	4.59	ND	
123-91-1	1,4 Dioxane	0.40	1.98	ND	1.43	7.16	ND	
74-95-3	Dibromomethane	0.20	0.99	ND	1.41	7.06	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.99	ND	0.53	5.34	ND	
75-27-4	Bromodichloromethane	0.20	0.99	ND	1.33	6.65	ND	
80-62-6	Methyl methacrylate	0.40	0.99	ND	1.63	4.07	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.17	ND	1.63	13.02	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
108-88-3	Toluene	0.79	0.99	0.86	2.99	3.74	3.23	J
10061-02-6	trans-1,3-Dichloropropene	0.20	0.99	ND	0.90	4.51	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.99	ND	1.08	5.42	ND	
97-63-2	Ethyl methacrylate	0.40	0.99	ND	1.86	4.64	ND	
591-78-6	2-Hexanone	0.40	3.17	ND	1.63	13.02	ND	
142-28-9	1,3-Dichloropropane	0.20	2.78	ND	0.92	12.85	ND	
111-65-9	Octane	0.40	0.99	ND	1.86	4.64	ND	
124-48-1	Dibromochloromethane	0.40	0.99	ND	3.38	8.46	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	0.99	ND	3.05	7.63	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.99	ND	0.67	6.73	ND	
108-90-7	Chlorobenzene	0.40	0.99	ND	1.83	4.57	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	0.99	ND	2.73	6.81	ND	
100-41-4	Ethylbenzene	0.40	0.99	ND	1.73	4.31	ND	
1330-20-7	m,p-Xylenes	0.40	0.99	ND	1.73	4.31	ND	
111-84-2	Nonane	0.40	0.99	ND	2.08	5.21	ND	
100-42-5	Styrene	0.60	0.99	ND	2.54	4.23	ND	
75-25-2	Bromoform	0.40	0.99	ND	4.11	10.26	ND	
95-47-6	o-Xylene	0.40	0.99	ND	1.73	4.31	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.98	ND	5.45	13.63	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.38	ND	4.79	14.37	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.38	ND	4.06	12.18	ND	
103-65-1	n-Propylbenzene	0.79	2.78	ND	3.91	13.67	ND	
98-82-8	Isopropylbenzene	0.79	2.78	ND	3.91	13.67	ND	
622-96-8	4-Ethyltoluene	0.79	6.35	ND	3.91	31.24	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
124-18-5	Decane	0.79	2.38	ND	4.62	13.87	ND	
98-06-6	tert-butyl benzene	0.79	2.38	ND	4.36	13.08	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.57	ND	3.91	17.57	ND	
538-93-2	i-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
135-98-8	sec-butylbenzene	0.79	2.78	ND	4.36	15.26	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.17	ND	4.78	19.10	ND	
99-87-6	Isopropyltoluene	0.79	2.38	ND	4.36	13.08	ND	
100-44-7	Benzyl chloride	0.79	1.98	ND	4.11	10.28	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	0.79	1.98	ND	4.78	11.94	ND	
104-51-8	n-Butylbenzene	0.79	2.38	ND	4.36	13.08	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.78	ND	4.78	16.72	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.19	2.78	ND	11.52	26.87	ND	
120-82-1	1,2,4-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
91-20-3	Naphthalene	1.98	0.40	ND	10.41	2.08	ND	
87-61-6	1,2,3-Trichlorobenzene	1.19	1.98	ND	8.84	14.73	ND	
87-68-3	Hexachlorobutadiene	0.99	1.19	ND	10.59	12.71	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 57**

File Name:	2531157A.D	**Date Sampled:**	11/25/2025	**Time:**	07:34
Description	T-501	**Date Analyzed:**	12/19/2025	**Time:**	15:21
Canister:	703	**Can Dilution Factor:**	1.19		
QC_Batch:	121925-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	0.99	1.19	30.23	2.68	3.22	81.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 57

File Name: 225311
Description T-501
Canister: 703
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:34
Date Analyzed: 12/19/2025 **Time:** 15:21
Can Dilution Factor: 1.19
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.78	5.95	ND	11.37	24.37	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: 225311

Analytical Method: TO-15 **Laboratory ID: 58**

File Name: 2531158A.D
Description: T-502
Canister: 537
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:38
Date Analyzed: 12/19/2025 **Time:** 15:58
Can Dilution Factor: 1.18
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	0.39	0.98	19.55	0.68	1.69	33.69	
75-71-8	Dichlorodifluoromethane	0.59	0.98	ND	2.92	4.87	ND	
67-56-1	Methanol	1.97	2.36	ND	2.58	3.09	ND	
74-87-3	Chloromethane	0.59	0.98	ND	1.22	2.03	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.98	ND	2.75	6.88	ND	
75-01-4	Vinyl chloride	0.20	0.98	ND	0.51	2.52	ND	
106-99-0	1,3-Butadiene	0.20	0.98	ND	0.44	2.18	ND	
74-83-9	Bromomethane	0.39	0.98	ND	1.53	3.82	ND	
75-00-3	Chloroethane	0.39	0.98	ND	1.04	2.60	ND	
64-17-5	Ethanol	1.97	12.63	ND	3.71	23.84	ND	
107-02-8	Acrolein	0.39	1.18	ND	0.90	2.71	ND	
75-69-4	Trichlorofluoromethane	0.39	0.98	ND	2.21	5.53	ND	
67-64-1	Acetone	1.97	2.36	3.22	4.68	5.62	7.67	
67-63-0	2-propanol (isopropylalcohol)	0.79	4.92	3.78	1.94	12.10	9.30	J
75-65-0	t-Butyl alcohol	0.39	3.93	ND	1.19	11.94	ND	
4227-95-6	Methyl iodide	0.39	1.18	ND	2.30	6.91	ND	
75-35-4	1,1-Dichloroethene	0.20	0.98	ND	0.78	3.90	ND	
107-13-1	Acrylonitrile	0.79	1.18	ND	1.71	2.57	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.98	ND	1.51	7.55	ND	
107-05-1	Allyl chloride	0.20	3.93	ND	0.62	12.32	ND	
75-09-2	Methylene chloride	0.20	0.98	ND	0.68	3.42	ND	
75-15-0	Carbon disulfide	0.39	0.98	ND	1.23	3.06	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.79	ND	0.78	3.12	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.79	ND	1.42	2.84	ND	
107-12-0	Propionitrile	0.98	1.57	ND	2.22	3.55	ND	
75-34-3	1,1-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.98	ND	1.65	4.12	ND	
108-05-4	Vinyl acetate	0.20	3.93	ND	0.69	13.87	ND	
78-93-3	2-Butanone (MEK)	0.39	1.18	0.93	1.16	3.48	2.76	J
108-20-3	Diisopropyl ether	0.39	2.36	ND	1.65	9.88	ND	
110-54-3	Hexane	0.39	0.98	ND	1.39	3.47	ND	
126-98-7	Methacrylonitrile	0.39	0.98	ND	1.08	2.70	ND	
141-78-6	Ethyl acetate	0.39	0.98	ND	1.42	3.55	ND	
74-97-5	Bromochloromethane	0.20	0.98	ND	1.04	5.21	ND	
96-33-3	Methyl acrylate	0.39	1.97	ND	1.39	6.93	ND	
109-99-9	Tetrahydrofuran	0.20	1.18	ND	0.58	3.48	ND	
78-83-1	Isobutyl alcohol	0.79	3.15	ND	2.39	9.55	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.98	ND	0.78	3.90	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	0.20	0.98	ND	0.91	4.55	ND	
67-66-3	Chloroform	0.20	0.98	1.34	0.96	4.81	6.55	
71-55-6	1,1,1-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
107-06-2	1,2-Dichloroethane	0.20	0.98	ND	0.80	3.99	ND	
563-58-6	1,1-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
110-82-7	Cyclohexane	0.20	0.98	0.67	0.68	3.39	2.31	J
71-43-2	Benzene	1.38	1.97	ND	4.40	6.29	ND	
56-23-5	Carbon tetrachloride	0.20	0.98	ND	1.24	6.19	ND	
994-05-8	t-Amyl methyl ether	0.39	1.97	ND	1.65	8.23	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.98	ND	0.92	4.60	ND	
142-82-5	n-Heptane	0.39	0.98	ND	1.61	4.04	ND	
78-87-5	1,2-Dichloropropane	0.20	0.98	ND	0.91	4.55	ND	
123-91-1	1,4 Dioxane	0.39	1.97	ND	1.42	7.10	ND	
74-95-3	Dibromomethane	0.20	0.98	ND	1.40	7.00	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.98	1.03	0.53	5.29	5.54	
75-27-4	Bromodichloromethane	0.20	0.98	ND	1.32	6.60	ND	
80-62-6	Methyl methacrylate	0.39	0.98	ND	1.61	4.03	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.15	ND	1.61	12.91	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
108-88-3	Toluene	0.79	0.98	ND	2.97	3.71	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.47	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.98	ND	1.07	5.37	ND	
97-63-2	Ethyl methacrylate	0.39	0.98	ND	1.84	4.60	ND	
591-78-6	2-Hexanone	0.39	3.15	ND	1.61	12.91	ND	
142-28-9	1,3-Dichloropropane	0.20	2.75	ND	0.91	12.74	ND	
111-65-9	Octane	0.39	0.98	ND	1.84	4.60	ND	
124-48-1	Dibromochloromethane	0.39	0.98	ND	3.36	8.39	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.98	ND	3.03	7.57	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.98	2.09	0.67	6.68	14.19	
108-90-7	Chlorobenzene	0.39	0.98	ND	1.81	4.53	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.98	ND	2.70	6.76	ND	
100-41-4	Ethylbenzene	0.39	0.98	ND	1.71	4.28	ND	
1330-20-7	m,p-Xylenes	0.39	0.98	ND	1.71	4.28	ND	
111-84-2	Nonane	0.39	0.98	ND	2.07	5.17	ND	
100-42-5	Styrene	0.59	0.98	ND	2.52	4.20	ND	
75-25-2	Bromoform	0.39	0.98	ND	4.07	10.18	ND	
95-47-6	o-Xylene	0.39	0.98	ND	1.71	4.28	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.79	1.97	ND	5.41	13.52	ND	
96-18-4	1,2,3-Trichloropropane	0.79	2.36	ND	4.75	14.25	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.79	2.36	ND	4.03	12.08	ND	
103-65-1	n-Propylbenzene	0.79	2.75	ND	3.87	13.55	ND	
98-82-8	Isopropylbenzene	0.79	2.75	ND	3.87	13.55	ND	
622-96-8	4-Ethyltoluene	0.79	6.29	ND	3.87	30.98	ND	
108-67-8	1,3,5-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
124-18-5	Decane	0.79	2.36	ND	4.58	13.75	ND	
98-06-6	tert-butyl benzene	0.79	2.36	ND	4.32	12.97	ND	
95-63-6	1,2,4-Trimethylbenzene	0.79	3.54	ND	3.87	17.43	ND	
538-93-2	i-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
135-98-8	sec-butylbenzene	0.79	2.75	ND	4.32	15.13	ND	
541-73-1	1,3-Dichlorobenzene	0.79	3.15	ND	4.74	18.94	ND	
99-87-6	Isopropyltoluene	0.79	2.36	ND	4.32	12.97	ND	
100-44-7	Benzyl chloride	0.79	1.97	ND	4.08	10.20	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	0.79	1.97	ND	4.74	11.84	ND	
104-51-8	n-Butylbenzene	0.79	2.36	ND	4.32	12.97	ND	
95-50-1	1,2-Dichlorobenzene	0.79	2.75	ND	4.74	16.58	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.18	2.75	ND	11.42	26.65	ND	
120-82-1	1,2,4-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
91-20-3	Naphthalene	1.97	0.39	ND	10.33	2.07	ND	
87-61-6	1,2,3-Trichlorobenzene	1.18	1.97	ND	8.77	14.61	ND	
87-68-3	Hexachlorobutadiene	0.98	1.18	ND	10.50	12.60	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 58**

File Name: 2531158A.D
Description T-502
Canister: 537
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:38
Date Analyzed: 12/19/2025 **Time:** 15:58
Can Dilution Factor: 1.18
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	0.98	1.18	102.25	2.66	3.19	276.60	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 58

File Name: 225311
Description T-502
Canister: 537
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:38
Date Analyzed: 12/19/2025 **Time:** 15:58
Can Dilution Factor: 1.18
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butane	2.75	5.90	22.77	11.28	24.16	93.27
2-Methyl butane	2.75	5.90	10.11	11.28	24.16	41.40

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: 225311

Analytical Method: TO-15 **Laboratory ID: 59**

File Name: 2531159A.D
Description: T-503
Canister: 553
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:37
Date Analyzed: 12/19/2025 **Time:** 16:37
Can Dilution Factor: 1.20
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	0.40	1.00	2.25	0.69	1.72	3.88	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	3.90	4.76	5.71	9.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.67	1.18	3.54	4.94	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.64	1.41	3.53	2.26	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	0.81	0.59	3.54	2.39	J
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	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	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.32	0.98	4.89	1.55	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	0.98	0.69	3.45	3.37	J
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	6.12	0.54	5.38	32.95	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.41	0.68	6.79	2.77	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	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	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	2.00	0.40	ND	10.50	2.10	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 59**

File Name: 2531159A.D
Description T-503
Canister: 553
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:37
Date Analyzed: 12/19/2025 **Time:** 16:37
Can Dilution Factor: 1.20
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	1.00	1.20	53.90	2.71	3.25	145.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 59

File Name: 225311
Description T-503
Canister: 553
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:37
Date Analyzed: 12/19/2025 **Time:** 16:37
Can Dilution Factor: 1.20
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.80	6.00	ND	11.47	24.57	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: 225311

Analytical Method: TO-15 **Laboratory ID: 60**

File Name:	2531160A.D	**Date Sampled:**	11/25/2025	**Time:**	07:38
Description:	T-504	**Date Analyzed:**	12/19/2025	**Time:**	17:47
Canister:	708	**Can Dilution Factor:**	1.22		
QC_Batch:	121925-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	0.41	1.02	0.74	0.70	1.75	1.28	J
75-71-8	Dichlorodifluoromethane	0.61	1.02	ND	3.02	5.03	ND	
67-56-1	Methanol	2.03	2.44	ND	2.66	3.20	ND	
74-87-3	Chloromethane	0.61	1.02	ND	1.26	2.10	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.02	ND	2.85	7.12	ND	
75-01-4	Vinyl chloride	0.20	1.02	ND	0.52	2.60	ND	
106-99-0	1,3-Butadiene	0.20	1.02	ND	0.45	2.25	ND	
74-83-9	Bromomethane	0.41	1.02	ND	1.58	3.95	ND	
75-00-3	Chloroethane	0.41	1.02	ND	1.07	2.69	ND	
64-17-5	Ethanol	2.03	13.05	ND	3.84	24.65	ND	
107-02-8	Acrolein	0.41	1.22	ND	0.93	2.80	ND	
75-69-4	Trichlorofluoromethane	0.41	1.02	ND	2.29	5.72	ND	
67-64-1	Acetone	2.03	2.44	3.31	4.84	5.81	7.88	
67-63-0	2-propanol (isopropylalcohol)	0.81	5.08	ND	2.00	12.51	ND	
75-65-0	t-Butyl alcohol	0.41	4.07	ND	1.23	12.34	ND	
4227-95-6	Methyl iodide	0.41	1.22	ND	2.38	7.14	ND	
75-35-4	1,1-Dichloroethene	0.20	1.02	ND	0.81	4.03	ND	
107-13-1	Acrylonitrile	0.81	1.22	ND	1.77	2.65	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.02	ND	1.56	7.80	ND	
107-05-1	Allyl chloride	0.20	4.07	ND	0.64	12.74	ND	
75-09-2	Methylene chloride	0.20	1.02	ND	0.71	3.54	ND	
75-15-0	Carbon disulfide	0.41	1.02	ND	1.27	3.17	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.81	ND	0.81	3.23	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.81	ND	1.47	2.93	ND	
107-12-0	Propionitrile	1.02	1.63	ND	2.29	3.67	ND	
75-34-3	1,1-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.02	ND	1.70	4.26	ND	
108-05-4	Vinyl acetate	0.20	4.07	ND	0.72	14.34	ND	
78-93-3	2-Butanone (MEK)	0.41	1.22	ND	1.20	3.60	ND	
108-20-3	Diisopropyl ether	0.41	2.44	ND	1.70	10.21	ND	
110-54-3	Hexane	0.41	1.02	ND	1.44	3.59	ND	
126-98-7	Methacrylonitrile	0.41	1.02	ND	1.12	2.79	ND	
141-78-6	Ethyl acetate	0.41	1.02	ND	1.47	3.67	ND	
74-97-5	Bromochloromethane	0.20	1.02	ND	1.08	5.39	ND	
96-33-3	Methyl acrylate	0.41	2.03	ND	1.43	7.17	ND	
109-99-9	Tetrahydrofuran	0.20	1.22	ND	0.60	3.60	ND	
78-83-1	Isobutyl alcohol	0.81	3.25	ND	2.47	9.87	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.02	ND	0.81	4.03	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	0.20	1.02	ND	0.94	4.71	ND	
67-66-3	Chloroform	0.20	1.02	ND	1.00	4.97	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
107-06-2	1,2-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
563-58-6	1,1-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
110-82-7	Cyclohexane	0.20	1.02	ND	0.70	3.51	ND	
71-43-2	Benzene	1.42	2.03	1.66	4.55	6.50	5.32	J
56-23-5	Carbon tetrachloride	0.20	1.02	ND	1.28	6.40	ND	
994-05-8	t-Amyl methyl ether	0.41	2.03	ND	1.70	8.51	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.02	ND	0.95	4.76	ND	
142-82-5	n-Heptane	0.41	1.02	ND	1.67	4.17	ND	
78-87-5	1,2-Dichloropropane	0.20	1.02	ND	0.94	4.71	ND	
123-91-1	1,4 Dioxane	0.41	2.03	ND	1.47	7.34	ND	
74-95-3	Dibromomethane	0.20	1.02	ND	1.45	7.24	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.02	10.91	0.55	5.47	58.72	
75-27-4	Bromodichloromethane	0.20	1.02	ND	1.36	6.82	ND	
80-62-6	Methyl methacrylate	0.41	1.02	ND	1.67	4.17	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.25	ND	1.67	13.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
108-88-3	Toluene	0.81	1.02	ND	3.07	3.83	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
97-63-2	Ethyl methacrylate	0.41	1.02	ND	1.90	4.76	ND	
591-78-6	2-Hexanone	0.41	3.25	ND	1.67	13.35	ND	
142-28-9	1,3-Dichloropropane	0.20	2.85	ND	0.94	13.17	ND	
111-65-9	Octane	0.41	1.02	ND	1.90	4.76	ND	
124-48-1	Dibromochloromethane	0.41	1.02	ND	3.47	8.67	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.02	ND	3.13	7.82	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.02	ND	0.69	6.90	ND	
108-90-7	Chlorobenzene	0.41	1.02	ND	1.88	4.69	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.02	ND	2.79	6.99	ND	
100-41-4	Ethylbenzene	0.41	1.02	ND	1.77	4.42	ND	
1330-20-7	m,p-Xylenes	0.41	1.02	ND	1.77	4.42	ND	
111-84-2	Nonane	0.41	1.02	ND	2.14	5.34	ND	
100-42-5	Styrene	0.61	1.02	ND	2.60	4.34	ND	
75-25-2	Bromoform	0.41	1.02	ND	4.21	10.52	ND	
95-47-6	o-Xylene	0.41	1.02	ND	1.77	4.42	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.81	2.03	ND	5.59	13.97	ND	
96-18-4	1,2,3-Trichloropropane	0.81	2.44	ND	4.91	14.73	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.81	2.44	ND	4.16	12.49	ND	
103-65-1	n-Propylbenzene	0.81	2.85	ND	4.00	14.01	ND	
98-82-8	Isopropylbenzene	0.81	2.85	ND	4.00	14.01	ND	
622-96-8	4-Ethyltoluene	0.81	6.51	ND	4.00	32.03	ND	
108-67-8	1,3,5-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
124-18-5	Decane	0.81	2.44	ND	4.74	14.22	ND	
98-06-6	tert-butyl benzene	0.81	2.44	ND	4.47	13.41	ND	
95-63-6	1,2,4-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
538-93-2	i-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
135-98-8	sec-butylbenzene	0.81	2.85	ND	4.47	15.65	ND	
541-73-1	1,3-Dichlorobenzene	0.81	3.25	ND	4.90	19.59	ND	
99-87-6	Isopropyltoluene	0.81	2.44	ND	4.47	13.41	ND	
100-44-7	Benzyl chloride	0.81	2.03	ND	4.22	10.54	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	0.81	2.03	ND	4.90	12.24	ND	
104-51-8	n-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
95-50-1	1,2-Dichlorobenzene	0.81	2.85	ND	4.90	17.14	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.22	2.85	ND	11.81	27.55	ND	
120-82-1	1,2,4-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
91-20-3	Naphthalene	2.03	0.41	ND	10.68	2.14	ND	
87-61-6	1,2,3-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
87-68-3	Hexachlorobutadiene	1.02	1.22	ND	10.86	13.03	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 60**

File Name:	2531160A.D	**Date Sampled:**	11/25/2025	**Time:**	07:38
Description	T-504	**Date Analyzed:**	12/19/2025	**Time:**	17:47
Canister:	708	**Can Dilution Factor:**	1.22		
QC_Batch:	121925-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	1.02	1.22	100.74	2.75	3.30	272.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 60

File Name: 225311
Description T-504
Canister: 708
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 07:38
Date Analyzed: 12/19/2025 **Time:** 17:47
Can Dilution Factor: 1.22
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.85	6.10	ND	11.66	24.98	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: 225311
Laboratory ID: 61

File Name: 2531161A.D
Description: T-505
Canister: 505
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:52
Date Analyzed: 12/19/2025 **Time:** 18:25
Can Dilution Factor: 1.24
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	0.41	1.03	21.24	0.71	1.78	36.61	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.07	5.12	ND	
67-56-1	Methanol	2.07	2.48	ND	2.71	3.25	ND	
74-87-3	Chloromethane	0.62	1.03	ND	1.28	2.14	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.89	7.23	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.65	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.29	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.61	4.02	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.09	2.73	ND	
64-17-5	Ethanol	2.07	13.27	ND	3.90	25.05	ND	
107-02-8	Acrolein	0.41	1.24	ND	0.95	2.85	ND	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.33	5.81	ND	
67-64-1	Acetone	2.07	2.48	2.99	4.92	5.90	7.12	
67-63-0	2-propanol (isopropylalcohol)	0.83	5.17	ND	2.03	12.72	ND	
75-65-0	t-Butyl alcohol	0.41	4.13	ND	1.25	12.54	ND	
4227-95-6	Methyl iodide	0.41	1.24	ND	2.42	7.26	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.82	4.10	ND	
107-13-1	Acrylonitrile	0.83	1.24	ND	1.80	2.70	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.59	7.93	ND	
107-05-1	Allyl chloride	0.21	4.13	ND	0.65	12.95	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.72	3.59	ND	
75-15-0	Carbon disulfide	0.41	1.03	ND	1.29	3.22	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.83	ND	0.82	3.28	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.83	ND	1.49	2.98	ND	
107-12-0	Propionitrile	1.03	1.65	ND	2.33	3.73	ND	
75-34-3	1,1-Dichloroethane	0.21	1.03	ND	0.84	4.19	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.73	4.33	ND	
108-05-4	Vinyl acetate	0.21	4.13	ND	0.73	14.58	ND	
78-93-3	2-Butanone (MEK)	0.41	1.24	ND	1.22	3.66	ND	
108-20-3	Diisopropyl ether	0.41	2.48	ND	1.73	10.38	ND	
110-54-3	Hexane	0.41	1.03	ND	1.46	3.65	ND	
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.14	2.84	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.49	3.73	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.10	5.48	ND	
96-33-3	Methyl acrylate	0.41	2.07	ND	1.46	7.29	ND	
109-99-9	Tetrahydrofuran	0.21	1.24	ND	0.61	3.66	ND	
78-83-1	Isobutyl alcohol	0.83	3.31	ND	2.51	10.03	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.82	4.10	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	0.21	1.03	ND	0.96	4.78	ND	
67-66-3	Chloroform	0.21	1.03	ND	1.01	5.05	ND	
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.13	5.65	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.84	4.19	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.56	ND	
71-43-2	Benzene	1.45	2.07	2.18	4.63	6.61	6.98	
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.30	6.51	ND	
994-05-8	t-Amyl methyl ether	0.41	2.07	ND	1.73	8.65	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.97	4.83	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.70	4.24	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.96	4.78	ND	
123-91-1	1,4 Dioxane	0.41	2.07	ND	1.49	7.46	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.47	7.36	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	ND	0.56	5.56	ND	
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.39	6.93	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.69	4.24	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.31	ND	1.70	13.57	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
108-88-3	Toluene	0.83	1.03	ND	3.12	3.90	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.94	4.70	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.13	5.65	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.93	4.83	ND	
591-78-6	2-Hexanone	0.41	3.31	ND	1.70	13.57	ND	
142-28-9	1,3-Dichloropropane	0.21	2.89	ND	0.96	13.39	ND	
111-65-9	Octane	0.41	1.03	ND	1.93	4.83	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.53	8.82	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.18	7.95	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	ND	0.70	7.02	ND	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.91	4.77	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.84	7.10	ND	
100-41-4	Ethylbenzene	0.41	1.03	ND	1.80	4.49	ND	
1330-20-7	m,p-Xylenes	0.41	1.03	ND	1.80	4.49	ND	
111-84-2	Nonane	0.41	1.03	ND	2.17	5.43	ND	
100-42-5	Styrene	0.62	1.03	ND	2.65	4.41	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.28	10.69	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.80	4.49	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.83	2.07	ND	5.68	14.20	ND	
96-18-4	1,2,3-Trichloropropane	0.83	2.48	ND	4.99	14.97	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.83	2.48	ND	4.23	12.70	ND	
103-65-1	n-Propylbenzene	0.83	2.89	ND	4.07	14.24	ND	
98-82-8	Isopropylbenzene	0.83	2.89	ND	4.07	14.24	ND	
622-96-8	4-Ethyltoluene	0.83	6.61	ND	4.07	32.56	ND	
108-67-8	1,3,5-Trimethylbenzene	0.83	3.72	ND	4.07	18.31	ND	
124-18-5	Decane	0.83	2.48	ND	4.82	14.45	ND	
98-06-6	tert-butyl benzene	0.83	2.48	ND	4.54	13.63	ND	
95-63-6	1,2,4-Trimethylbenzene	0.83	3.72	ND	4.07	18.31	ND	
538-93-2	i-Butylbenzene	0.83	2.48	ND	4.54	13.63	ND	
135-98-8	sec-butylbenzene	0.83	2.89	ND	4.54	15.90	ND	
541-73-1	1,3-Dichlorobenzene	0.83	3.31	ND	4.98	19.91	ND	
99-87-6	Isopropyltoluene	0.83	2.48	ND	4.54	13.63	ND	
100-44-7	Benzyl chloride	0.83	2.07	ND	4.29	10.72	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	0.83	2.07	ND	4.98	12.44	ND	
104-51-8	n-Butylbenzene	0.83	2.48	ND	4.54	13.63	ND	
95-50-1	1,2-Dichlorobenzene	0.83	2.89	ND	4.98	17.42	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.24	2.89	ND	12.00	28.00	ND	
120-82-1	1,2,4-Trichlorobenzene	1.24	2.07	ND	9.21	15.35	ND	
91-20-3	Naphthalene	2.07	0.41	ND	10.85	2.17	ND	
87-61-6	1,2,3-Trichlorobenzene	1.24	2.07	ND	9.21	15.35	ND	
87-68-3	Hexachlorobutadiene	1.03	1.24	ND	11.04	13.24	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 61**

File Name: 2531161A.D **Date Sampled:** 11/25/2025 **Time:** 08:52
Description T-505 **Date Analyzed:** 12/19/2025 **Time:** 18:25
Canister: 505 **Can Dilution Factor:** 1.24
QC_Batch: 121925-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	1.03	1.24	143.51	2.80	3.35	388.21	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 61

File Name: 225311
Description T-505
Canister: 505
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:52
Date Analyzed: 12/19/2025 **Time:** 18:25
Can Dilution Factor: 1.24
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.89	6.20	ND	11.85	25.39	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: 225311
Laboratory ID: 62

File Name: 2531162A.D
Description: T-506
Canister: 698
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:58
Date Analyzed: 12/19/2025 **Time:** 19:02
Can Dilution Factor: 1.20
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	0.40	1.00	25.72	0.69	1.72	44.32	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.80	4.76	5.71	6.67	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	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	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.52	4.48	6.40	4.86	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	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	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	2.00	0.40	ND	10.50	2.10	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 62**

File Name: 2531162A.D
Description T-506
Canister: 698
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:58
Date Analyzed: 12/19/2025 **Time:** 19:02
Can Dilution Factor: 1.20
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	1.00	1.20	159.50	2.71	3.25	431.45	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 62

File Name: 225311
Description T-506
Canister: 698
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:58
Date Analyzed: 12/19/2025 **Time:** 19:02
Can Dilution Factor: 1.20
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.80	6.00	ND	11.47	24.57	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: 225311

Analytical Method: TO-15 **Laboratory ID: 63**

File Name: 2531163A.D
Description: T-507
Canister: 768
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:56
Date Analyzed: 12/19/2025 **Time:** 19:54
Can Dilution Factor: 1.23
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	0.41	1.03	1.28	0.71	1.77	2.20	
75-71-8	Dichlorodifluoromethane	0.62	1.03	ND	3.05	5.08	ND	
67-56-1	Methanol	2.05	2.46	ND	2.69	3.22	ND	
74-87-3	Chloromethane	0.62	1.03	ND	1.27	2.12	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.03	ND	2.87	7.17	ND	
75-01-4	Vinyl chloride	0.21	1.03	ND	0.53	2.62	ND	
106-99-0	1,3-Butadiene	0.21	1.03	ND	0.46	2.27	ND	
74-83-9	Bromomethane	0.41	1.03	ND	1.59	3.98	ND	
75-00-3	Chloroethane	0.41	1.03	ND	1.08	2.71	ND	
64-17-5	Ethanol	2.05	13.16	ND	3.87	24.85	ND	
107-02-8	Acrolein	0.41	1.23	ND	0.94	2.83	ND	
75-69-4	Trichlorofluoromethane	0.41	1.03	ND	2.31	5.77	ND	
67-64-1	Acetone	2.05	2.46	2.38	4.88	5.85	5.67	J
67-63-0	2-propanol (isopropylalcohol)	0.82	5.13	ND	2.02	12.61	ND	
75-65-0	t-Butyl alcohol	0.41	4.10	ND	1.24	12.44	ND	
4227-95-6	Methyl iodide	0.41	1.23	ND	2.40	7.20	ND	
75-35-4	1,1-Dichloroethene	0.21	1.03	ND	0.81	4.07	ND	
107-13-1	Acrylonitrile	0.82	1.23	ND	1.78	2.67	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.03	ND	1.57	7.87	ND	
107-05-1	Allyl chloride	0.21	4.10	ND	0.64	12.85	ND	
75-09-2	Methylene chloride	0.21	1.03	ND	0.71	3.56	ND	
75-15-0	Carbon disulfide	0.41	1.03	ND	1.28	3.19	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.82	ND	0.81	3.25	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.82	ND	1.48	2.96	ND	
107-12-0	Propionitrile	1.03	1.64	ND	2.31	3.70	ND	
75-34-3	1,1-Dichloroethane	0.20	1.03	ND	0.83	4.16	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.03	ND	1.72	4.29	ND	
108-05-4	Vinyl acetate	0.21	4.10	ND	0.72	14.46	ND	
78-93-3	2-Butanone (MEK)	0.41	1.23	ND	1.21	3.63	ND	
108-20-3	Diisopropyl ether	0.41	2.46	ND	1.72	10.30	ND	
110-54-3	Hexane	0.41	1.03	ND	1.45	3.62	ND	
126-98-7	Methacrylonitrile	0.41	1.03	ND	1.13	2.82	ND	
141-78-6	Ethyl acetate	0.41	1.03	ND	1.48	3.70	ND	
74-97-5	Bromochloromethane	0.21	1.03	ND	1.09	5.43	ND	
96-33-3	Methyl acrylate	0.41	2.05	ND	1.45	7.23	ND	
109-99-9	Tetrahydrofuran	0.21	1.23	ND	0.61	3.63	ND	
78-83-1	Isobutyl alcohol	0.82	3.28	ND	2.49	9.95	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.03	ND	0.81	4.07	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	0.21	1.03	ND	0.95	4.74	ND	
67-66-3	Chloroform	0.21	1.03	ND	1.01	5.01	ND	
71-55-6	1,1,1-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
107-06-2	1,2-Dichloroethane	0.21	1.03	ND	0.83	4.16	ND	
563-58-6	1,1-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
110-82-7	Cyclohexane	0.21	1.03	ND	0.71	3.53	ND	
71-43-2	Benzene	1.44	2.05	7.84	4.59	6.56	25.07	
56-23-5	Carbon tetrachloride	0.21	1.03	ND	1.29	6.46	ND	
994-05-8	t-Amyl methyl ether	0.41	2.05	ND	1.72	8.58	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.03	ND	0.96	4.79	ND	
142-82-5	n-Heptane	0.41	1.03	ND	1.68	4.21	ND	
78-87-5	1,2-Dichloropropane	0.21	1.03	ND	0.95	4.74	ND	
123-91-1	1,4 Dioxane	0.41	2.05	ND	1.48	7.40	ND	
74-95-3	Dibromomethane	0.21	1.03	ND	1.46	7.30	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.03	21.62	0.55	5.52	116.35	
75-27-4	Bromodichloromethane	0.21	1.03	ND	1.38	6.88	ND	
80-62-6	Methyl methacrylate	0.41	1.03	ND	1.68	4.20	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.28	ND	1.68	13.46	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
108-88-3	Toluene	0.82	1.03	1.22	3.09	3.87	4.61	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.03	ND	0.93	4.66	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.03	ND	1.12	5.60	ND	
97-63-2	Ethyl methacrylate	0.41	1.03	ND	1.92	4.79	ND	
591-78-6	2-Hexanone	0.41	3.28	ND	1.68	13.46	ND	
142-28-9	1,3-Dichloropropane	0.21	2.87	ND	0.95	13.28	ND	
111-65-9	Octane	0.41	1.03	ND	1.92	4.79	ND	
124-48-1	Dibromochloromethane	0.41	1.03	ND	3.50	8.74	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.03	ND	3.16	7.89	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.03	ND	0.70	6.96	ND	
108-90-7	Chlorobenzene	0.41	1.03	ND	1.89	4.73	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.03	ND	2.82	7.04	ND	
100-41-4	Ethylbenzene	0.41	1.03	0.41	1.78	4.46	1.80	J
1330-20-7	m,p-Xylenes	0.41	1.03	0.83	1.78	4.46	3.62	J
111-84-2	Nonane	0.41	1.03	ND	2.15	5.39	ND	
100-42-5	Styrene	0.62	1.03	ND	2.62	4.37	ND	
75-25-2	Bromoform	0.41	1.03	ND	4.24	10.61	ND	
95-47-6	o-Xylene	0.41	1.03	ND	1.78	4.46	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.82	2.05	ND	5.64	14.09	ND	
96-18-4	1,2,3-Trichloropropane	0.82	2.46	ND	4.95	14.85	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.82	2.46	ND	4.20	12.59	ND	
103-65-1	n-Propylbenzene	0.82	2.87	ND	4.04	14.13	ND	
98-82-8	Isopropylbenzene	0.82	2.87	ND	4.04	14.13	ND	
622-96-8	4-Ethyltoluene	0.82	6.56	ND	4.04	32.29	ND	
108-67-8	1,3,5-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
124-18-5	Decane	0.82	2.46	ND	4.78	14.34	ND	
98-06-6	tert-butyl benzene	0.82	2.46	ND	4.51	13.52	ND	
95-63-6	1,2,4-Trimethylbenzene	0.82	3.69	ND	4.04	18.17	ND	
538-93-2	i-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
135-98-8	sec-butylbenzene	0.82	2.87	ND	4.51	15.77	ND	
541-73-1	1,3-Dichlorobenzene	0.82	3.28	ND	4.94	19.75	ND	
99-87-6	Isopropyltoluene	0.82	2.46	1.06	4.51	13.52	5.84	J
100-44-7	Benzyl chloride	0.82	2.05	ND	4.25	10.63	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	0.82	2.05	ND	4.94	12.34	ND	
104-51-8	n-Butylbenzene	0.82	2.46	ND	4.51	13.52	ND	
95-50-1	1,2-Dichlorobenzene	0.82	2.87	ND	4.94	17.28	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.23	2.87	ND	11.90	27.77	ND	
120-82-1	1,2,4-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
91-20-3	Naphthalene	2.05	0.41	ND	10.76	2.15	ND	
87-61-6	1,2,3-Trichlorobenzene	1.23	2.05	ND	9.14	15.23	ND	
87-68-3	Hexachlorobutadiene	1.03	1.23	ND	10.95	13.14	ND	

	Surrogate Recovery	% Rec.	QC Limits 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 63**

File Name: 2531163A.D
Description T-507
Canister: 768
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:56
Date Analyzed: 12/19/2025 **Time:** 19:54
Can Dilution Factor: 1.23
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	1.03	1.23	209.98	2.77	3.33	568.02	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 63

File Name: 225311
Description T-507
Canister: 768
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:56
Date Analyzed: 12/19/2025 **Time:** 19:54
Can Dilution Factor: 1.23
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.87	6.15	ND	11.75	25.19	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: 225311
Laboratory ID: 64

File Name: 2531164A.D
Description: T-508
Canister: 860
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:53
Date Analyzed: 12/19/2025 **Time:** 20:33
Can Dilution Factor: 1.20
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	0.40	1.00	1.50	0.69	1.72	2.58	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.21	2.62	3.15	2.89	J
74-87-3	Chloromethane	0.60	1.00	2.00	1.24	2.07	4.14	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	0.89	0.92	2.76	2.05	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.16	4.76	5.71	59.87	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	0.75	1.18	3.54	2.22	J
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	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	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.50	4.48	6.40	4.80	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	0.98	0.54	5.38	5.29	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	1.82	1.74	4.35	7.92	
111-84-2	Nonane	0.40	1.00	0.60	2.10	5.25	3.14	J
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.89	1.74	4.35	3.89	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	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	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	2.00	0.40	ND	10.50	2.10	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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: 225311
Laboratory ID: 64

File Name: 2531164A.D
Description T-508
Canister: 860
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:53
Date Analyzed: 12/19/2025 **Time:** 20:33
Can Dilution Factor: 1.20
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	1.00	1.20	149.51	2.71	3.25	404.45	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 64

File Name: 225311
Description T-508
Canister: 860
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 08:53
Date Analyzed: 12/19/2025 **Time:** 20:33
Can Dilution Factor: 1.20
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.80	6.00	ND	11.47	24.57	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: 225311
Laboratory ID: 65

File Name: 2531165A.D
Description: T-509
Canister: 750
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 10:11
Date Analyzed: 12/19/2025 **Time:** 21:11
Can Dilution Factor: 1.36
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	0.45	1.13	22.46	0.78	1.95	38.71	
75-71-8	Dichlorodifluoromethane	0.68	1.13	ND	3.37	5.61	ND	
67-56-1	Methanol	2.27	2.72	ND	2.97	3.56	ND	
74-87-3	Chloromethane	0.68	1.13	ND	1.41	2.34	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.45	1.13	ND	3.17	7.93	ND	
75-01-4	Vinyl chloride	0.23	1.13	ND	0.58	2.90	ND	
106-99-0	1,3-Butadiene	0.23	1.13	ND	0.51	2.51	ND	
74-83-9	Bromomethane	0.45	1.13	ND	1.76	4.40	ND	
75-00-3	Chloroethane	0.45	1.13	ND	1.20	2.99	ND	
64-17-5	Ethanol	2.27	14.55	ND	4.28	27.47	ND	
107-02-8	Acrolein	0.45	1.36	0.59	1.04	3.12	1.35	J
75-69-4	Trichlorofluoromethane	0.45	1.13	ND	2.55	6.38	ND	
67-64-1	Acetone	2.27	2.72	5.21	5.39	6.47	12.40	
67-63-0	2-propanol (isopropylalcohol)	0.91	5.67	ND	2.23	13.95	ND	
75-65-0	t-Butyl alcohol	0.45	4.53	ND	1.38	13.76	ND	
4227-95-6	Methyl iodide	0.45	1.36	ND	2.65	7.96	ND	
75-35-4	1,1-Dichloroethene	0.23	1.13	ND	0.90	4.50	ND	
107-13-1	Acrylonitrile	0.91	1.36	ND	1.97	2.96	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.23	1.13	ND	1.74	8.70	ND	
107-05-1	Allyl chloride	0.23	4.53	ND	0.71	14.20	ND	
75-09-2	Methylene chloride	0.23	1.13	ND	0.79	3.94	ND	
75-15-0	Carbon disulfide	0.45	1.13	ND	1.41	3.53	ND	
156-60-5	trans-1,2-Dichloroethene	0.23	0.91	ND	0.90	3.60	ND	
1634-04-4	Methyl tert butyl ether	0.45	0.91	ND	1.64	3.27	ND	
107-12-0	Propionitrile	1.13	1.81	ND	2.56	4.09	ND	
75-34-3	1,1-Dichloroethane	0.23	1.13	ND	0.92	4.60	ND	
637-92-3	Ethyl tert butyl ether	0.45	1.13	ND	1.90	4.74	ND	
108-05-4	Vinyl acetate	0.23	4.53	ND	0.80	15.99	ND	
78-93-3	2-Butanone (MEK)	0.45	1.36	1.88	1.34	4.02	5.56	
108-20-3	Diisopropyl ether	0.45	2.72	ND	1.90	11.38	ND	
110-54-3	Hexane	0.45	1.13	ND	1.60	4.00	ND	
126-98-7	Methacrylonitrile	0.45	1.13	ND	1.25	3.11	ND	
141-78-6	Ethyl acetate	0.45	1.13	ND	1.64	4.09	ND	
74-97-5	Bromochloromethane	0.23	1.13	ND	1.20	6.01	ND	
96-33-3	Methyl acrylate	0.45	2.27	ND	1.60	7.99	ND	
109-99-9	Tetrahydrofuran	0.23	1.36	1.38	0.67	4.02	4.06	
78-83-1	Isobutyl alcohol	0.91	3.63	ND	2.75	11.01	ND	
156-59-2	cis-1,2-Dichloroethene	0.23	1.13	ND	0.90	4.50	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	0.23	1.13	ND	1.05	5.24	ND	
67-66-3	Chloroform	0.23	1.13	ND	1.11	5.54	ND	
71-55-6	1,1,1-Trichloroethane	0.23	1.13	ND	1.24	6.19	ND	
107-06-2	1,2-Dichloroethane	0.23	1.13	ND	0.92	4.60	ND	
563-58-6	1,1-Dichloropropene	0.23	1.13	ND	1.03	5.15	ND	
110-82-7	Cyclohexane	0.23	1.13	ND	0.78	3.91	ND	
71-43-2	Benzene	1.59	2.27	2.21	5.08	7.25	7.08	J
56-23-5	Carbon tetrachloride	0.23	1.13	ND	1.43	7.14	ND	
994-05-8	t-Amyl methyl ether	0.45	2.27	ND	1.90	9.49	ND	
540-84-1	2,2,4-Trimethylpentane	0.23	1.13	ND	1.06	5.30	ND	
142-82-5	n-Heptane	0.45	1.13	ND	1.86	4.65	ND	
78-87-5	1,2-Dichloropropane	0.23	1.13	ND	1.05	5.24	ND	
123-91-1	1,4 Dioxane	0.45	2.27	ND	1.64	8.18	ND	
74-95-3	Dibromomethane	0.23	1.13	ND	1.61	8.07	ND	
79-01-6	Trichloroethene (TCE)	0.11	1.13	ND	0.61	6.10	ND	
75-27-4	Bromodichloromethane	0.23	1.13	ND	1.52	7.60	ND	
80-62-6	Methyl methacrylate	0.45	1.13	ND	1.86	4.65	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.45	3.63	ND	1.86	14.88	ND	
10061-01-5	cis-1,3-Dichloropropene	0.23	1.13	ND	1.03	5.15	ND	
108-88-3	Toluene	0.91	1.13	ND	3.42	4.27	ND	
10061-02-6	trans-1,3-Dichloropropene	0.23	1.13	ND	1.03	5.15	ND	
79-00-5	1,1,2-Trichloroethane	0.23	1.13	ND	1.24	6.19	ND	
97-63-2	Ethyl methacrylate	0.45	1.13	ND	2.12	5.30	ND	
591-78-6	2-Hexanone	0.45	3.63	ND	1.86	14.88	ND	
142-28-9	1,3-Dichloropropane	0.23	3.17	ND	1.05	14.69	ND	
111-65-9	Octane	0.45	1.13	ND	2.12	5.30	ND	
124-48-1	Dibromochloromethane	0.45	1.13	ND	3.87	9.67	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.45	1.13	ND	3.49	8.72	ND	
127-18-4	Tetrachloroethene (PCE)	0.11	1.13	ND	0.77	7.70	ND	
108-90-7	Chlorobenzene	0.45	1.13	ND	2.09	5.23	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.45	1.13	ND	3.12	7.79	ND	
100-41-4	Ethylbenzene	0.45	1.13	0.51	1.97	4.93	2.23	J
1330-20-7	m,p-Xylenes	0.45	1.13	0.99	1.97	4.93	4.30	J
111-84-2	Nonane	0.45	1.13	ND	2.38	5.96	ND	
100-42-5	Styrene	0.68	1.13	ND	2.90	4.84	ND	
75-25-2	Bromoform	0.45	1.13	ND	4.69	11.73	ND	
95-47-6	o-Xylene	0.45	1.13	ND	1.97	4.93	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	2.27	ND	6.23	15.58	ND	
96-18-4	1,2,3-Trichloropropane	0.91	2.72	ND	5.47	16.42	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.91	2.72	ND	4.64	13.92	ND	
103-65-1	n-Propylbenzene	0.91	3.17	ND	4.46	15.62	ND	
98-82-8	Isopropylbenzene	0.91	3.17	ND	4.46	15.62	ND	
622-96-8	4-Ethyltoluene	0.91	7.25	ND	4.46	35.71	ND	
108-67-8	1,3,5-Trimethylbenzene	0.91	4.08	ND	4.46	20.08	ND	
124-18-5	Decane	0.91	2.72	ND	5.28	15.85	ND	
98-06-6	tert-butyl benzene	0.91	2.72	ND	4.98	14.95	ND	
95-63-6	1,2,4-Trimethylbenzene	0.91	4.08	ND	4.46	20.08	ND	
538-93-2	i-Butylbenzene	0.91	2.72	ND	4.98	14.95	ND	
135-98-8	sec-butylbenzene	0.91	3.17	ND	4.98	17.44	ND	
541-73-1	1,3-Dichlorobenzene	0.91	3.63	ND	5.46	21.83	ND	
99-87-6	Isopropyltoluene	0.91	2.72	0.95	4.98	14.95	5.20	J
100-44-7	Benzyl chloride	0.91	2.27	ND	4.70	11.75	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	0.91	2.27	ND	5.46	13.65	ND	
104-51-8	n-Butylbenzene	0.91	2.72	ND	4.98	14.95	ND	
95-50-1	1,2-Dichlorobenzene	0.91	3.17	ND	5.46	19.10	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.36	3.17	ND	13.16	30.71	ND	
120-82-1	1,2,4-Trichlorobenzene	1.36	2.27	ND	10.10	16.84	ND	
91-20-3	Naphthalene	2.27	0.45	ND	11.90	2.38	ND	
87-61-6	1,2,3-Trichlorobenzene	1.36	2.27	ND	10.10	16.84	ND	
87-68-3	Hexachlorobutadiene	1.13	1.36	ND	12.11	14.53	ND	

	Surrogate Recovery	% Rec.	QC Limits 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: 225311
Laboratory ID: 65

File Name: 2531165A.D
Description T-509
Canister: 750
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 10:11
Date Analyzed: 12/19/2025 **Time:** 21:11
Can Dilution Factor: 1.36
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	1.13	1.36	203.56	3.07	3.68	550.64	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 65

File Name: 225311
Description T-509
Canister: 750
QC_Batch: 121925-MA1

Date Sampled: 11/25/2025 **Time:** 10:11
Date Analyzed: 12/19/2025 **Time:** 21:11
Can Dilution Factor: 1.36
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	3.17	6.80	ND	13.00	27.85	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: 225311
Laboratory ID: 66

File Name: 2531166A.D
Description: T-510
Canister: 692
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:11
Date Analyzed: 12/22/2025 **Time:** 16:52
Can Dilution Factor: 1.16
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	0.39	0.97	13.27	0.67	1.67	22.86	
75-71-8	Dichlorodifluoromethane	0.58	0.97	ND	2.87	4.79	ND	
67-56-1	Methanol	1.93	2.32	20.10	2.53	3.04	26.35	
74-87-3	Chloromethane	0.58	0.97	0.62	1.20	2.00	1.29	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.97	ND	2.71	6.77	ND	
75-01-4	Vinyl chloride	0.19	0.97	ND	0.50	2.47	ND	
106-99-0	1,3-Butadiene	0.19	0.97	ND	0.43	2.14	ND	
74-83-9	Bromomethane	0.39	0.97	ND	1.50	3.76	ND	
75-00-3	Chloroethane	0.39	0.97	ND	1.02	2.55	ND	
64-17-5	Ethanol	1.93	12.41	ND	3.65	23.43	ND	
107-02-8	Acrolein	0.39	1.16	ND	0.89	2.67	ND	
75-69-4	Trichlorofluoromethane	0.39	0.97	ND	2.18	5.44	ND	
67-64-1	Acetone	1.93	2.32	21.31	4.60	5.52	50.72	
67-63-0	2-propanol (isopropylalcohol)	0.77	4.83	ND	1.90	11.90	ND	
75-65-0	t-Butyl alcohol	0.39	3.87	ND	1.17	11.73	ND	
4227-95-6	Methyl iodide	0.39	1.16	ND	2.26	6.79	ND	
75-35-4	1,1-Dichloroethene	0.19	0.97	ND	0.77	3.84	ND	
107-13-1	Acrylonitrile	0.77	1.16	ND	1.68	2.52	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.19	0.97	ND	1.48	7.42	ND	
107-05-1	Allyl chloride	0.19	3.87	ND	0.61	12.11	ND	
75-09-2	Methylene chloride	0.19	0.97	ND	0.67	3.36	ND	
75-15-0	Carbon disulfide	0.39	0.97	ND	1.21	3.01	ND	
156-60-5	trans-1,2-Dichloroethene	0.19	0.77	ND	0.77	3.07	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.77	ND	1.40	2.79	ND	
107-12-0	Propionitrile	0.97	1.55	ND	2.18	3.49	ND	
75-34-3	1,1-Dichloroethane	0.19	0.97	ND	0.78	3.92	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.97	ND	1.62	4.05	ND	
108-05-4	Vinyl acetate	0.19	3.87	ND	0.68	13.63	ND	
78-93-3	2-Butanone (MEK)	0.39	1.16	5.77	1.14	3.43	17.04	
108-20-3	Diisopropyl ether	0.39	2.32	ND	1.62	9.71	ND	
110-54-3	Hexane	0.39	0.97	ND	1.37	3.41	ND	
126-98-7	Methacrylonitrile	0.39	0.97	ND	1.06	2.66	ND	
141-78-6	Ethyl acetate	0.39	0.97	ND	1.40	3.49	ND	
74-97-5	Bromochloromethane	0.19	0.97	ND	1.02	5.12	ND	
96-33-3	Methyl acrylate	0.39	1.93	ND	1.36	6.82	ND	
109-99-9	Tetrahydrofuran	0.19	1.16	41.21	0.57	3.43	121.70	
78-83-1	Isobutyl alcohol	0.77	3.09	ND	2.35	9.39	ND	
156-59-2	cis-1,2-Dichloroethene	0.19	0.97	ND	0.77	3.84	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	0.19	0.97	ND	0.89	4.47	ND	
67-66-3	Chloroform	0.19	0.97	ND	0.95	4.73	ND	
71-55-6	1,1,1-Trichloroethane	0.19	0.97	ND	1.06	5.28	ND	
107-06-2	1,2-Dichloroethane	0.19	0.97	0.27	0.78	3.92	1.11	J
563-58-6	1,1-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
110-82-7	Cyclohexane	0.19	0.97	1.75	0.67	3.33	6.04	
71-43-2	Benzene	1.35	1.93	23.71	4.33	6.18	75.83	
56-23-5	Carbon tetrachloride	0.19	0.97	ND	1.22	6.09	ND	
994-05-8	t-Amyl methyl ether	0.39	1.93	ND	1.62	8.09	ND	
540-84-1	2,2,4-Trimethylpentane	0.19	0.97	ND	0.90	4.52	ND	
142-82-5	n-Heptane	0.39	0.97	2.27	1.59	3.97	9.32	
78-87-5	1,2-Dichloropropane	0.19	0.97	ND	0.89	4.47	ND	
123-91-1	1,4 Dioxane	0.39	1.93	ND	1.40	6.98	ND	
74-95-3	Dibromomethane	0.19	0.97	ND	1.38	6.88	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.97	20.07	0.52	5.20	108.03	
75-27-4	Bromodichloromethane	0.19	0.97	ND	1.30	6.48	ND	
80-62-6	Methyl methacrylate	0.39	0.97	ND	1.59	3.96	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.09	ND	1.59	12.69	ND	
10061-01-5	cis-1,3-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
108-88-3	Toluene	0.77	0.97	4.94	2.92	3.65	18.64	
10061-02-6	trans-1,3-Dichloropropene	0.19	0.97	ND	0.88	4.39	ND	
79-00-5	1,1,2-Trichloroethane	0.19	0.97	ND	1.06	5.28	ND	
97-63-2	Ethyl methacrylate	0.39	0.97	ND	1.81	4.52	ND	
591-78-6	2-Hexanone	0.39	3.09	ND	1.59	12.69	ND	
142-28-9	1,3-Dichloropropane	0.19	2.71	ND	0.89	12.53	ND	
111-65-9	Octane	0.39	0.97	ND	1.81	4.52	ND	
124-48-1	Dibromochloromethane	0.39	0.97	ND	3.30	8.25	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.97	ND	2.98	7.44	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.97	0.37	0.66	6.56	2.50	J
108-90-7	Chlorobenzene	0.39	0.97	ND	1.78	4.46	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.97	ND	2.66	6.64	ND	
100-41-4	Ethylbenzene	0.39	0.97	2.41	1.68	4.20	10.48	
1330-20-7	m,p-Xylenes	0.39	0.97	3.67	1.68	4.20	15.96	
111-84-2	Nonane	0.39	0.97	1.24	2.03	5.08	6.54	
100-42-5	Styrene	0.58	0.97	ND	2.48	4.13	ND	
75-25-2	Bromoform	0.39	0.97	ND	4.00	10.00	ND	
95-47-6	o-Xylene	0.39	0.97	1.73	1.68	4.20	7.54	
79-34-5	1,1,2,2-Tetrachloroethane	0.77	1.93	ND	5.31	13.29	ND	
96-18-4	1,2,3-Trichloropropane	0.77	2.32	ND	4.67	14.01	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.77	2.32	ND	3.96	11.88	ND	
103-65-1	n-Propylbenzene	0.77	2.71	ND	3.81	13.32	ND	
98-82-8	Isopropylbenzene	0.77	2.71	ND	3.81	13.32	ND	
622-96-8	4-Ethyltoluene	0.77	6.19	ND	3.81	30.46	ND	
108-67-8	1,3,5-Trimethylbenzene	0.77	3.48	ND	3.81	17.13	ND	
124-18-5	Decane	0.77	2.32	ND	4.51	13.52	ND	
98-06-6	tert-butyl benzene	0.77	2.32	ND	4.25	12.75	ND	
95-63-6	1,2,4-Trimethylbenzene	0.77	3.48	ND	3.81	17.13	ND	
538-93-2	i-Butylbenzene	0.77	2.32	ND	4.25	12.75	ND	
135-98-8	sec-butylbenzene	0.77	2.71	ND	4.25	14.88	ND	
541-73-1	1,3-Dichlorobenzene	0.77	3.09	ND	4.66	18.62	ND	
99-87-6	Isopropyltoluene	0.77	2.32	6.05	4.25	12.75	33.26	
100-44-7	Benzyl chloride	0.77	1.93	ND	4.01	10.02	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	0.77	1.93	ND	4.66	11.64	ND	
104-51-8	n-Butylbenzene	0.77	2.32	ND	4.25	12.75	ND	
95-50-1	1,2-Dichlorobenzene	0.77	2.71	ND	4.66	16.30	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.16	2.71	ND	11.23	26.19	ND	
120-82-1	1,2,4-Trichlorobenzene	1.16	1.93	ND	8.62	14.36	ND	
91-20-3	Naphthalene	1.93	0.39	ND	10.15	2.03	ND	
87-61-6	1,2,3-Trichlorobenzene	1.16	1.93	ND	8.62	14.36	ND	
87-68-3	Hexachlorobutadiene	0.97	1.16	ND	10.33	12.39	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 66

File Name: 225311
Description T-510
Canister: 692
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:11
Date Analyzed: 12/22/2025 **Time:** 16:52
Can Dilution Factor: 1.16
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Methyl propene	2.71	5.80	5.26	11.09	23.75	21.54
a-Pinene	2.71	5.80	21.34	11.09	23.75	87.41
D-Limonene	2.71	5.80	19.68	11.09	23.75	80.60

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: 225311

Analytical Method: TO-15 **Laboratory ID: 66**

File Name: 2531166A.D **Date Sampled:** 11/25/2025 **Time:** 10:11
Description T-510 **Date Analyzed:** 12/22/2025 **Time:** 16:52
Canister: 692 **Can Dilution Factor:** 1.16
QC_Batch: 122225-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	0.97	1.16	171.35	2.61	3.14	463.51	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 67

File Name: 2531167A.D
Description: T-511
Canister: 766
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 17:33
Can Dilution Factor: 1.27
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	0.42	1.06	0.50	0.73	1.82	0.86	J
75-71-8	Dichlorodifluoromethane	0.64	1.06	ND	3.14	5.24	ND	
67-56-1	Methanol	2.12	2.54	ND	2.77	3.33	ND	
74-87-3	Chloromethane	0.64	1.06	ND	1.31	2.19	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.42	1.06	ND	2.96	7.41	ND	
75-01-4	Vinyl chloride	0.21	1.06	ND	0.55	2.71	ND	
106-99-0	1,3-Butadiene	0.21	1.06	ND	0.47	2.34	ND	
74-83-9	Bromomethane	0.42	1.06	ND	1.65	4.11	ND	
75-00-3	Chloroethane	0.42	1.06	ND	1.12	2.80	ND	
64-17-5	Ethanol	2.12	13.59	ND	4.00	25.66	ND	
107-02-8	Acrolein	0.42	1.27	ND	0.97	2.92	ND	
75-69-4	Trichlorofluoromethane	0.42	1.06	ND	2.38	5.96	ND	
67-64-1	Acetone	2.12	2.54	3.91	5.04	6.04	9.31	
67-63-0	2-propanol (isopropylalcohol)	0.85	5.29	ND	2.08	13.02	ND	
75-65-0	t-Butyl alcohol	0.42	4.23	ND	1.28	12.85	ND	
4227-95-6	Methyl iodide	0.42	1.27	ND	2.48	7.43	ND	
75-35-4	1,1-Dichloroethene	0.21	1.06	ND	0.84	4.20	ND	
107-13-1	Acrylonitrile	0.85	1.27	ND	1.84	2.76	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.21	1.06	ND	1.62	8.12	ND	
107-05-1	Allyl chloride	0.21	4.23	ND	0.66	13.26	ND	
75-09-2	Methylene chloride	0.21	1.06	ND	0.74	3.68	ND	
75-15-0	Carbon disulfide	0.42	1.06	ND	1.32	3.30	ND	
156-60-5	trans-1,2-Dichloroethene	0.21	0.85	ND	0.84	3.36	ND	
1634-04-4	Methyl tert butyl ether	0.42	0.85	ND	1.53	3.05	ND	
107-12-0	Propionitrile	1.06	1.69	ND	2.39	3.82	ND	
75-34-3	1,1-Dichloroethane	0.21	1.06	ND	0.86	4.29	ND	
637-92-3	Ethyl tert butyl ether	0.42	1.06	ND	1.77	4.43	ND	
108-05-4	Vinyl acetate	0.21	4.23	ND	0.75	14.93	ND	
78-93-3	2-Butanone (MEK)	0.42	1.27	0.85	1.25	3.75	2.52	J
108-20-3	Diisopropyl ether	0.42	2.54	ND	1.77	10.63	ND	
110-54-3	Hexane	0.42	1.06	ND	1.49	3.74	ND	
126-98-7	Methacrylonitrile	0.42	1.06	ND	1.16	2.91	ND	
141-78-6	Ethyl acetate	0.42	1.06	ND	1.53	3.82	ND	
74-97-5	Bromochloromethane	0.21	1.06	ND	1.12	5.61	ND	
96-33-3	Methyl acrylate	0.42	2.12	ND	1.49	7.46	ND	
109-99-9	Tetrahydrofuran	0.21	1.27	ND	0.63	3.75	ND	
78-83-1	Isobutyl alcohol	0.85	3.39	ND	2.57	10.28	ND	
156-59-2	cis-1,2-Dichloroethene	0.21	1.06	ND	0.84	4.20	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	0.21	1.06	ND	0.98	4.90	ND	
67-66-3	Chloroform	0.21	1.06	ND	1.04	5.18	ND	
71-55-6	1,1,1-Trichloroethane	0.21	1.06	ND	1.16	5.78	ND	
107-06-2	1,2-Dichloroethane	0.21	1.06	ND	0.86	4.29	ND	
563-58-6	1,1-Dichloropropene	0.21	1.06	ND	0.96	4.81	ND	
110-82-7	Cyclohexane	0.21	1.06	ND	0.73	3.65	ND	
71-43-2	Benzene	1.48	2.12	2.93	4.74	6.77	9.38	
56-23-5	Carbon tetrachloride	0.21	1.06	ND	1.33	6.67	ND	
994-05-8	t-Amyl methyl ether	0.42	2.12	ND	1.77	8.86	ND	
540-84-1	2,2,4-Trimethylpentane	0.21	1.06	ND	0.99	4.95	ND	
142-82-5	n-Heptane	0.42	1.06	ND	1.74	4.34	ND	
78-87-5	1,2-Dichloropropane	0.21	1.06	ND	0.98	4.90	ND	
123-91-1	1,4 Dioxane	0.42	2.12	ND	1.53	7.64	ND	
74-95-3	Dibromomethane	0.21	1.06	ND	1.51	7.53	ND	
79-01-6	Trichloroethene (TCE)	0.11	1.06	19.93	0.57	5.70	107.26	
75-27-4	Bromodichloromethane	0.21	1.06	ND	1.42	7.10	ND	
80-62-6	Methyl methacrylate	0.42	1.06	ND	1.74	4.34	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.42	3.39	ND	1.74	13.90	ND	
10061-01-5	cis-1,3-Dichloropropene	0.21	1.06	ND	0.96	4.81	ND	
108-88-3	Toluene	0.85	1.06	ND	3.19	3.99	ND	
10061-02-6	trans-1,3-Dichloropropene	0.21	1.06	ND	0.96	4.81	ND	
79-00-5	1,1,2-Trichloroethane	0.21	1.06	ND	1.16	5.78	ND	
97-63-2	Ethyl methacrylate	0.42	1.06	ND	1.98	4.95	ND	
591-78-6	2-Hexanone	0.42	3.39	ND	1.74	13.90	ND	
142-28-9	1,3-Dichloropropane	0.21	2.96	ND	0.98	13.71	ND	
111-65-9	Octane	0.42	1.06	ND	1.98	4.95	ND	
124-48-1	Dibromochloromethane	0.42	1.06	ND	3.61	9.03	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.42	1.06	ND	3.26	8.14	ND	
127-18-4	Tetrachloroethene (PCE)	0.11	1.06	ND	0.72	7.19	ND	
108-90-7	Chlorobenzene	0.42	1.06	ND	1.95	4.88	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.42	1.06	ND	2.91	7.27	ND	
100-41-4	Ethylbenzene	0.42	1.06	ND	1.84	4.60	ND	
1330-20-7	m,p-Xylenes	0.42	1.06	0.60	1.84	4.60	2.60	J
111-84-2	Nonane	0.42	1.06	ND	2.22	5.56	ND	
100-42-5	Styrene	0.64	1.06	ND	2.71	4.52	ND	
75-25-2	Bromoform	0.42	1.06	ND	4.38	10.95	ND	
95-47-6	o-Xylene	0.42	1.06	ND	1.84	4.60	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.85	2.12	ND	5.82	14.55	ND	
96-18-4	1,2,3-Trichloropropane	0.85	2.54	ND	5.11	15.33	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.85	2.54	ND	4.33	13.00	ND	
103-65-1	n-Propylbenzene	0.85	2.96	ND	4.17	14.59	ND	
98-82-8	Isopropylbenzene	0.85	2.96	ND	4.17	14.59	ND	
622-96-8	4-Ethyltoluene	0.85	6.77	ND	4.17	33.34	ND	
108-67-8	1,3,5-Trimethylbenzene	0.85	3.81	ND	4.17	18.76	ND	
124-18-5	Decane	0.85	2.54	ND	4.93	14.80	ND	
98-06-6	tert-butyl benzene	0.85	2.54	ND	4.65	13.96	ND	
95-63-6	1,2,4-Trimethylbenzene	0.85	3.81	ND	4.17	18.76	ND	
538-93-2	i-Butylbenzene	0.85	2.54	ND	4.65	13.96	ND	
135-98-8	sec-butylbenzene	0.85	2.96	ND	4.65	16.29	ND	
541-73-1	1,3-Dichlorobenzene	0.85	3.39	ND	5.10	20.39	ND	
99-87-6	Isopropyltoluene	0.85	2.54	ND	4.65	13.96	ND	
100-44-7	Benzyl chloride	0.85	2.12	ND	4.39	10.97	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	0.85	2.12	ND	5.10	12.74	ND	
104-51-8	n-Butylbenzene	0.85	2.54	ND	4.65	13.96	ND	
95-50-1	1,2-Dichlorobenzene	0.85	2.96	ND	5.10	17.84	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.27	2.96	ND	12.29	28.68	ND	
120-82-1	1,2,4-Trichlorobenzene	1.27	2.12	ND	9.44	15.73	ND	
91-20-3	Naphthalene	2.12	0.42	ND	11.11	2.22	ND	
87-61-6	1,2,3-Trichlorobenzene	1.27	2.12	ND	9.44	15.73	ND	
87-68-3	Hexachlorobutadiene	1.06	1.27	ND	11.30	13.56	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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: 225311
Laboratory ID: 67

File Name: 2531167A.D
Description T-511
Canister: 766
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 17:33
Can Dilution Factor: 1.27
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	1.06	1.27	202.24	2.86	3.44	547.06	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 67

File Name: 225311
Description T-511
Canister: 766
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 17:33
Can Dilution Factor: 1.27
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.96	6.35	ND	12.14	26.01	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: 225311
Laboratory ID: 68

File Name: 2531168A.D
Description: T-512
Canister: 897
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 18:11
Can Dilution Factor: 1.22
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	0.41	1.02	6.86	0.70	1.75	11.82	
75-71-8	Dichlorodifluoromethane	0.61	1.02	ND	3.02	5.03	ND	
67-56-1	Methanol	2.03	2.44	ND	2.66	3.20	ND	
74-87-3	Chloromethane	0.61	1.02	ND	1.26	2.10	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.41	1.02	ND	2.85	7.12	ND	
75-01-4	Vinyl chloride	0.20	1.02	ND	0.52	2.60	ND	
106-99-0	1,3-Butadiene	0.20	1.02	ND	0.45	2.25	ND	
74-83-9	Bromomethane	0.41	1.02	ND	1.58	3.95	ND	
75-00-3	Chloroethane	0.41	1.02	ND	1.07	2.69	ND	
64-17-5	Ethanol	2.03	13.05	ND	3.84	24.65	ND	
107-02-8	Acrolein	0.41	1.22	ND	0.93	2.80	ND	
75-69-4	Trichlorofluoromethane	0.41	1.02	ND	2.29	5.72	ND	
67-64-1	Acetone	2.03	2.44	4.30	4.84	5.81	10.23	
67-63-0	2-propanol (isopropylalcohol)	0.81	5.08	ND	2.00	12.51	ND	
75-65-0	t-Butyl alcohol	0.41	4.07	ND	1.23	12.34	ND	
4227-95-6	Methyl iodide	0.41	1.22	ND	2.38	7.14	ND	
75-35-4	1,1-Dichloroethene	0.20	1.02	ND	0.81	4.03	ND	
107-13-1	Acrylonitrile	0.81	1.22	ND	1.77	2.65	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.02	ND	1.56	7.80	ND	
107-05-1	Allyl chloride	0.20	4.07	ND	0.64	12.74	ND	
75-09-2	Methylene chloride	0.20	1.02	ND	0.71	3.54	ND	
75-15-0	Carbon disulfide	0.41	1.02	ND	1.27	3.17	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.81	ND	0.81	3.23	ND	
1634-04-4	Methyl tert butyl ether	0.41	0.81	ND	1.47	2.93	ND	
107-12-0	Propionitrile	1.02	1.63	ND	2.29	3.67	ND	
75-34-3	1,1-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
637-92-3	Ethyl tert butyl ether	0.41	1.02	ND	1.70	4.26	ND	
108-05-4	Vinyl acetate	0.20	4.07	ND	0.72	14.34	ND	
78-93-3	2-Butanone (MEK)	0.41	1.22	0.89	1.20	3.60	2.62	J
108-20-3	Diisopropyl ether	0.41	2.44	ND	1.70	10.21	ND	
110-54-3	Hexane	0.41	1.02	ND	1.44	3.59	ND	
126-98-7	Methacrylonitrile	0.41	1.02	ND	1.12	2.79	ND	
141-78-6	Ethyl acetate	0.41	1.02	ND	1.47	3.67	ND	
74-97-5	Bromochloromethane	0.20	1.02	ND	1.08	5.39	ND	
96-33-3	Methyl acrylate	0.41	2.03	ND	1.43	7.17	ND	
109-99-9	Tetrahydrofuran	0.20	1.22	ND	0.60	3.60	ND	
78-83-1	Isobutyl alcohol	0.81	3.25	ND	2.47	9.87	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.02	ND	0.81	4.03	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	0.20	1.02	ND	0.94	4.71	ND	
67-66-3	Chloroform	0.20	1.02	ND	1.00	4.97	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
107-06-2	1,2-Dichloroethane	0.20	1.02	ND	0.82	4.12	ND	
563-58-6	1,1-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
110-82-7	Cyclohexane	0.20	1.02	ND	0.70	3.51	ND	
71-43-2	Benzene	1.42	2.03	2.62	4.55	6.50	8.39	
56-23-5	Carbon tetrachloride	0.20	1.02	ND	1.28	6.40	ND	
994-05-8	t-Amyl methyl ether	0.41	2.03	ND	1.70	8.51	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.02	ND	0.95	4.76	ND	
142-82-5	n-Heptane	0.41	1.02	ND	1.67	4.17	ND	
78-87-5	1,2-Dichloropropane	0.20	1.02	ND	0.94	4.71	ND	
123-91-1	1,4 Dioxane	0.41	2.03	ND	1.47	7.34	ND	
74-95-3	Dibromomethane	0.20	1.02	ND	1.45	7.24	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.02	ND	0.55	5.47	ND	
75-27-4	Bromodichloromethane	0.20	1.02	ND	1.36	6.82	ND	
80-62-6	Methyl methacrylate	0.41	1.02	ND	1.67	4.17	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.41	3.25	ND	1.67	13.35	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
108-88-3	Toluene	0.81	1.02	ND	3.07	3.83	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.02	ND	0.92	4.62	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.02	ND	1.11	5.55	ND	
97-63-2	Ethyl methacrylate	0.41	1.02	ND	1.90	4.76	ND	
591-78-6	2-Hexanone	0.41	3.25	ND	1.67	13.35	ND	
142-28-9	1,3-Dichloropropane	0.20	2.85	ND	0.94	13.17	ND	
111-65-9	Octane	0.41	1.02	ND	1.90	4.76	ND	
124-48-1	Dibromochloromethane	0.41	1.02	ND	3.47	8.67	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.41	1.02	ND	3.13	7.82	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.02	ND	0.69	6.90	ND	
108-90-7	Chlorobenzene	0.41	1.02	ND	1.88	4.69	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.41	1.02	ND	2.79	6.99	ND	
100-41-4	Ethylbenzene	0.41	1.02	ND	1.77	4.42	ND	
1330-20-7	m,p-Xylenes	0.41	1.02	ND	1.77	4.42	ND	
111-84-2	Nonane	0.41	1.02	ND	2.14	5.34	ND	
100-42-5	Styrene	0.61	1.02	ND	2.60	4.34	ND	
75-25-2	Bromoform	0.41	1.02	ND	4.21	10.52	ND	
95-47-6	o-Xylene	0.41	1.02	ND	1.77	4.42	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.81	2.03	ND	5.59	13.97	ND	
96-18-4	1,2,3-Trichloropropane	0.81	2.44	ND	4.91	14.73	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.81	2.44	ND	4.16	12.49	ND	
103-65-1	n-Propylbenzene	0.81	2.85	ND	4.00	14.01	ND	
98-82-8	Isopropylbenzene	0.81	2.85	ND	4.00	14.01	ND	
622-96-8	4-Ethyltoluene	0.81	6.51	ND	4.00	32.03	ND	
108-67-8	1,3,5-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
124-18-5	Decane	0.81	2.44	ND	4.74	14.22	ND	
98-06-6	tert-butyl benzene	0.81	2.44	ND	4.47	13.41	ND	
95-63-6	1,2,4-Trimethylbenzene	0.81	3.66	ND	4.00	18.02	ND	
538-93-2	i-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
135-98-8	sec-butylbenzene	0.81	2.85	ND	4.47	15.65	ND	
541-73-1	1,3-Dichlorobenzene	0.81	3.25	ND	4.90	19.59	ND	
99-87-6	Isopropyltoluene	0.81	2.44	1.28	4.47	13.41	7.06	J
100-44-7	Benzyl chloride	0.81	2.03	ND	4.22	10.54	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	0.81	2.03	ND	4.90	12.24	ND	
104-51-8	n-Butylbenzene	0.81	2.44	ND	4.47	13.41	ND	
95-50-1	1,2-Dichlorobenzene	0.81	2.85	ND	4.90	17.14	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.22	2.85	ND	11.81	27.55	ND	
120-82-1	1,2,4-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
91-20-3	Naphthalene	2.03	0.41	ND	10.68	2.14	ND	
87-61-6	1,2,3-Trichlorobenzene	1.22	2.03	ND	9.06	15.11	ND	
87-68-3	Hexachlorobutadiene	1.02	1.22	ND	10.86	13.03	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC 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

SDG: 225311

Analytical Method: TO-15 **Laboratory ID: 68**

File Name: 2531168A.D
Description T-512
Canister: 897
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 18:11
Can Dilution Factor: 1.22
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	1.02	1.22	63.67	2.75	3.30	172.23	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 68

File Name: 225311
Description T-512
Canister: 897
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:12
Date Analyzed: 12/22/2025 **Time:** 18:11
Can Dilution Factor: 1.22
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.85	6.10	ND	11.66	24.98	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: 225311
Laboratory ID: 69

File Name: 2531169A.D
Description: T-513
Canister: 647
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:20
Date Analyzed: 12/22/2025 **Time:** 19:09
Can Dilution Factor: 1.17
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	0.39	0.98	10.17	0.67	1.68	17.53	
75-71-8	Dichlorodifluoromethane	0.59	0.98	ND	2.90	4.83	ND	
67-56-1	Methanol	1.95	2.34	ND	2.56	3.07	ND	
74-87-3	Chloromethane	0.59	0.98	0.79	1.21	2.02	1.63	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.39	0.98	ND	2.73	6.82	ND	
75-01-4	Vinyl chloride	0.20	0.98	ND	0.50	2.50	ND	
106-99-0	1,3-Butadiene	0.20	0.98	ND	0.43	2.16	ND	
74-83-9	Bromomethane	0.39	0.98	ND	1.52	3.79	ND	
75-00-3	Chloroethane	0.39	0.98	ND	1.03	2.58	ND	
64-17-5	Ethanol	1.95	12.52	ND	3.68	23.64	ND	
107-02-8	Acrolein	0.39	1.17	ND	0.90	2.69	ND	
75-69-4	Trichlorofluoromethane	0.39	0.98	ND	2.19	5.49	ND	
67-64-1	Acetone	1.95	2.34	3.93	4.64	5.57	9.36	
67-63-0	2-propanol (isopropylalcohol)	0.78	4.88	ND	1.92	12.00	ND	
75-65-0	t-Butyl alcohol	0.39	3.90	ND	1.18	11.84	ND	
4227-95-6	Methyl iodide	0.39	1.17	ND	2.28	6.85	ND	
75-35-4	1,1-Dichloroethene	0.20	0.98	ND	0.77	3.87	ND	
107-13-1	Acrylonitrile	0.78	1.17	ND	1.70	2.54	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	0.98	ND	1.50	7.48	ND	
107-05-1	Allyl chloride	0.20	3.90	ND	0.61	12.22	ND	
75-09-2	Methylene chloride	0.20	0.98	ND	0.68	3.39	ND	
75-15-0	Carbon disulfide	0.39	0.98	ND	1.22	3.04	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.78	ND	0.77	3.10	ND	
1634-04-4	Methyl tert butyl ether	0.39	0.78	ND	1.41	2.81	ND	
107-12-0	Propionitrile	0.98	1.56	ND	2.20	3.52	ND	
75-34-3	1,1-Dichloroethane	0.19	0.98	ND	0.79	3.95	ND	
637-92-3	Ethyl tert butyl ether	0.39	0.98	ND	1.63	4.08	ND	
108-05-4	Vinyl acetate	0.20	3.90	ND	0.69	13.75	ND	
78-93-3	2-Butanone (MEK)	0.39	1.17	0.80	1.15	3.45	2.37	J
108-20-3	Diisopropyl ether	0.39	2.34	ND	1.63	9.79	ND	
110-54-3	Hexane	0.39	0.98	ND	1.38	3.44	ND	
126-98-7	Methacrylonitrile	0.39	0.98	ND	1.07	2.68	ND	
141-78-6	Ethyl acetate	0.39	0.98	ND	1.41	3.52	ND	
74-97-5	Bromochloromethane	0.20	0.98	ND	1.03	5.17	ND	
96-33-3	Methyl acrylate	0.39	1.95	ND	1.38	6.88	ND	
109-99-9	Tetrahydrofuran	0.20	1.17	ND	0.58	3.45	ND	
78-83-1	Isobutyl alcohol	0.78	3.12	ND	2.37	9.47	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	0.98	ND	0.77	3.87	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	0.20	0.98	ND	0.90	4.51	ND	
67-66-3	Chloroform	0.20	0.98	ND	0.96	4.77	ND	
71-55-6	1,1,1-Trichloroethane	0.20	0.98	ND	1.07	5.33	ND	
107-06-2	1,2-Dichloroethane	0.20	0.98	ND	0.79	3.95	ND	
563-58-6	1,1-Dichloropropene	0.20	0.98	ND	0.89	4.43	ND	
110-82-7	Cyclohexane	0.20	0.98	ND	0.67	3.36	ND	
71-43-2	Benzene	1.37	1.95	4.50	4.37	6.24	14.40	
56-23-5	Carbon tetrachloride	0.20	0.98	ND	1.23	6.14	ND	
994-05-8	t-Amyl methyl ether	0.39	1.95	ND	1.63	8.16	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	0.98	ND	0.91	4.56	ND	
142-82-5	n-Heptane	0.39	0.98	ND	1.60	4.00	ND	
78-87-5	1,2-Dichloropropane	0.20	0.98	ND	0.90	4.51	ND	
123-91-1	1,4 Dioxane	0.39	1.95	ND	1.41	7.04	ND	
74-95-3	Dibromomethane	0.20	0.98	ND	1.39	6.94	ND	
79-01-6	Trichloroethene (TCE)	0.10	0.98	ND	0.52	5.25	ND	
75-27-4	Bromodichloromethane	0.20	0.98	ND	1.31	6.54	ND	
80-62-6	Methyl methacrylate	0.39	0.98	ND	1.60	4.00	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.39	3.12	ND	1.60	12.80	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.43	ND	
108-88-3	Toluene	0.78	0.98	ND	2.94	3.68	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	0.98	ND	0.89	4.43	ND	
79-00-5	1,1,2-Trichloroethane	0.20	0.98	ND	1.07	5.33	ND	
97-63-2	Ethyl methacrylate	0.39	0.98	ND	1.82	4.56	ND	
591-78-6	2-Hexanone	0.39	3.12	ND	1.60	12.80	ND	
142-28-9	1,3-Dichloropropane	0.20	2.73	ND	0.90	12.63	ND	
111-65-9	Octane	0.39	0.98	ND	1.82	4.56	ND	
124-48-1	Dibromochloromethane	0.39	0.98	ND	3.33	8.32	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.39	0.98	ND	3.00	7.50	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	0.98	ND	0.66	6.62	ND	
108-90-7	Chlorobenzene	0.39	0.98	ND	1.80	4.50	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.39	0.98	ND	2.68	6.70	ND	
100-41-4	Ethylbenzene	0.39	0.98	ND	1.70	4.24	ND	
1330-20-7	m,p-Xylenes	0.39	0.98	0.41	1.70	4.24	1.77	J
111-84-2	Nonane	0.39	0.98	ND	2.05	5.12	ND	
100-42-5	Styrene	0.59	0.98	ND	2.50	4.16	ND	
75-25-2	Bromoform	0.39	0.98	ND	4.04	10.09	ND	
95-47-6	o-Xylene	0.39	0.98	ND	1.70	4.24	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.78	1.95	ND	5.36	13.40	ND	
96-18-4	1,2,3-Trichloropropane	0.78	2.34	ND	4.71	14.13	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.78	2.34	ND	3.99	11.98	ND	
103-65-1	n-Propylbenzene	0.78	2.73	ND	3.84	13.44	ND	
98-82-8	Isopropylbenzene	0.78	2.73	ND	3.84	13.44	ND	
622-96-8	4-Ethyltoluene	0.78	6.24	ND	3.84	30.72	ND	
108-67-8	1,3,5-Trimethylbenzene	0.78	3.51	ND	3.84	17.28	ND	
124-18-5	Decane	0.78	2.34	ND	4.55	13.64	ND	
98-06-6	tert-butyl benzene	0.78	2.34	ND	4.29	12.86	ND	
95-63-6	1,2,4-Trimethylbenzene	0.78	3.51	ND	3.84	17.28	ND	
538-93-2	i-Butylbenzene	0.78	2.34	ND	4.29	12.86	ND	
135-98-8	sec-butylbenzene	0.78	2.73	ND	4.29	15.00	ND	
541-73-1	1,3-Dichlorobenzene	0.78	3.12	ND	4.70	18.78	ND	
99-87-6	Isopropyltoluene	0.78	2.34	1.08	4.29	12.86	5.94	J
100-44-7	Benzyl chloride	0.78	1.95	ND	4.04	10.11	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	0.78	1.95	ND	4.70	11.74	ND	
104-51-8	n-Butylbenzene	0.78	2.34	ND	4.29	12.86	ND	
95-50-1	1,2-Dichlorobenzene	0.78	2.73	ND	4.70	16.44	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.17	2.73	ND	11.32	26.42	ND	
120-82-1	1,2,4-Trichlorobenzene	1.17	1.95	ND	8.69	14.49	ND	
91-20-3	Naphthalene	1.95	0.39	ND	10.24	2.05	ND	
87-61-6	1,2,3-Trichlorobenzene	1.17	1.95	ND	8.69	14.49	ND	
87-68-3	Hexachlorobutadiene	0.98	1.17	ND	10.41	12.50	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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: 225311
Laboratory ID: 69

File Name: 2531169A.D
Description T-513
Canister: 647
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:20
Date Analyzed: 12/22/2025 **Time:** 19:09
Can Dilution Factor: 1.17
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	0.98	1.17	67.32	2.64	3.16	182.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 69

File Name: 225311
Description T-513
Canister: 647
QC_Batch: 122225-MA1

Date Sampled: 11/25/2025 **Time:** 10:20
Date Analyzed: 12/22/2025 **Time:** 19:09
Can Dilution Factor: 1.17
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.73	5.85	ND	11.18	23.96	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: 225311
Laboratory ID: 70

File Name: 2531170A.D
Description: T-514
Canister: 700
QC_Batch: 121825-MA1

Date Sampled: 11/25/2025 **Time:** 11:01
Date Analyzed: 12/18/2025 **Time:** 12:57
Can Dilution Factor: 1.21
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	0.40	1.01	ND	0.70	1.74	ND	
75-71-8	Dichlorodifluoromethane	0.61	1.01	ND	3.00	4.99	ND	
67-56-1	Methanol	2.02	2.42	ND	2.64	3.17	ND	
74-87-3	Chloromethane	0.61	1.01	ND	1.25	2.09	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.01	ND	2.82	7.06	ND	
75-01-4	Vinyl chloride	0.20	1.01	ND	0.52	2.58	ND	
106-99-0	1,3-Butadiene	0.20	1.01	ND	0.45	2.23	ND	
74-83-9	Bromomethane	0.40	1.01	ND	1.57	3.92	ND	
75-00-3	Chloroethane	0.40	1.01	ND	1.07	2.66	ND	
64-17-5	Ethanol	2.02	12.95	ND	3.81	24.44	ND	
107-02-8	Acrolein	0.40	1.21	ND	0.93	2.78	ND	
75-69-4	Trichlorofluoromethane	0.40	1.01	ND	2.27	5.67	ND	
67-64-1	Acetone	2.02	2.42	ND	4.80	5.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.81	5.04	ND	1.99	12.41	ND	
75-65-0	t-Butyl alcohol	0.40	4.03	ND	1.22	12.24	ND	
4227-95-6	Methyl iodide	0.40	1.21	ND	2.36	7.08	ND	
75-35-4	1,1-Dichloroethene	0.20	1.01	ND	0.80	4.00	ND	
107-13-1	Acrylonitrile	0.81	1.21	ND	1.75	2.63	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.01	ND	1.55	7.74	ND	
107-05-1	Allyl chloride	0.20	4.03	ND	0.63	12.64	ND	
75-09-2	Methylene chloride	0.20	1.01	ND	0.70	3.51	ND	
75-15-0	Carbon disulfide	0.40	1.01	ND	1.26	3.14	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.81	ND	0.80	3.20	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.81	ND	1.46	2.91	ND	
107-12-0	Propionitrile	1.01	1.61	ND	2.28	3.64	ND	
75-34-3	1,1-Dichloroethane	0.20	1.01	ND	0.82	4.09	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.01	ND	1.69	4.22	ND	
108-05-4	Vinyl acetate	0.20	4.03	ND	0.71	14.22	ND	
78-93-3	2-Butanone (MEK)	0.40	1.21	ND	1.19	3.57	ND	
108-20-3	Diisopropyl ether	0.40	2.42	ND	1.69	10.13	ND	
110-54-3	Hexane	0.40	1.01	ND	1.42	3.56	ND	
126-98-7	Methacrylonitrile	0.40	1.01	ND	1.11	2.77	ND	
141-78-6	Ethyl acetate	0.40	1.01	ND	1.46	3.64	ND	
74-97-5	Bromochloromethane	0.20	1.01	ND	1.07	5.34	ND	
96-33-3	Methyl acrylate	0.40	2.02	ND	1.42	7.11	ND	
109-99-9	Tetrahydrofuran	0.20	1.21	ND	0.60	3.57	ND	
78-83-1	Isobutyl alcohol	0.81	3.23	ND	2.45	9.79	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.01	ND	0.80	4.00	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	0.20	1.01	ND	0.93	4.67	ND	
67-66-3	Chloroform	0.20	1.01	ND	0.99	4.93	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.01	ND	1.10	5.51	ND	
107-06-2	1,2-Dichloroethane	0.20	1.01	ND	0.82	4.09	ND	
563-58-6	1,1-Dichloropropene	0.20	1.01	ND	0.92	4.58	ND	
110-82-7	Cyclohexane	0.20	1.01	ND	0.70	3.48	ND	
71-43-2	Benzene	1.41	2.02	ND	4.52	6.45	ND	
56-23-5	Carbon tetrachloride	0.20	1.01	ND	1.27	6.35	ND	
994-05-8	t-Amyl methyl ether	0.40	2.02	ND	1.69	8.44	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.01	ND	0.94	4.72	ND	
142-82-5	n-Heptane	0.40	1.01	ND	1.66	4.14	ND	
78-87-5	1,2-Dichloropropane	0.20	1.01	ND	0.93	4.67	ND	
123-91-1	1,4 Dioxane	0.40	2.02	ND	1.46	7.28	ND	
74-95-3	Dibromomethane	0.20	1.01	ND	1.44	7.18	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.01	ND	0.54	5.43	ND	
75-27-4	Bromodichloromethane	0.20	1.01	ND	1.35	6.76	ND	
80-62-6	Methyl methacrylate	0.40	1.01	ND	1.65	4.13	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.23	ND	1.66	13.24	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.01	ND	0.92	4.58	ND	
108-88-3	Toluene	0.81	1.01	ND	3.04	3.80	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.01	ND	0.92	4.58	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.01	ND	1.10	5.51	ND	
97-63-2	Ethyl methacrylate	0.40	1.01	ND	1.89	4.72	ND	
591-78-6	2-Hexanone	0.40	3.23	ND	1.66	13.24	ND	
142-28-9	1,3-Dichloropropane	0.20	2.82	ND	0.93	13.07	ND	
111-65-9	Octane	0.40	1.01	ND	1.89	4.72	ND	
124-48-1	Dibromochloromethane	0.40	1.01	ND	3.44	8.60	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.01	ND	3.10	7.76	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.01	ND	0.68	6.85	ND	
108-90-7	Chlorobenzene	0.40	1.01	ND	1.86	4.65	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.01	ND	2.77	6.93	ND	
100-41-4	Ethylbenzene	0.40	1.01	ND	1.75	4.39	ND	
1330-20-7	m,p-Xylenes	0.40	1.01	ND	1.75	4.39	ND	
111-84-2	Nonane	0.40	1.01	ND	2.12	5.30	ND	
100-42-5	Styrene	0.61	1.01	ND	2.58	4.30	ND	
75-25-2	Bromoform	0.40	1.01	ND	4.17	10.44	ND	
95-47-6	o-Xylene	0.40	1.01	ND	1.75	4.39	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.81	2.02	ND	5.54	13.86	ND	
96-18-4	1,2,3-Trichloropropane	0.81	2.42	ND	4.87	14.61	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.81	2.42	ND	4.13	12.39	ND	
103-65-1	n-Propylbenzene	0.81	2.82	ND	3.97	13.90	ND	
98-82-8	Isopropylbenzene	0.81	2.82	ND	3.97	13.90	ND	
622-96-8	4-Ethyltoluene	0.81	6.45	ND	3.97	31.77	ND	
108-67-8	1,3,5-Trimethylbenzene	0.81	3.63	ND	3.97	17.87	ND	
124-18-5	Decane	0.81	2.42	ND	4.70	14.10	ND	
98-06-6	tert-butyl benzene	0.81	2.42	ND	4.43	13.30	ND	
95-63-6	1,2,4-Trimethylbenzene	0.81	3.63	ND	3.97	17.87	ND	
538-93-2	i-Butylbenzene	0.81	2.42	ND	4.43	13.30	ND	
135-98-8	sec-butylbenzene	0.81	2.82	ND	4.43	15.52	ND	
541-73-1	1,3-Dichlorobenzene	0.81	3.23	ND	4.86	19.43	ND	
99-87-6	Isopropyltoluene	0.81	2.42	ND	4.43	13.30	ND	
100-44-7	Benzyl chloride	0.81	2.02	ND	4.18	10.46	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	0.81	2.02	ND	4.86	12.14	ND	
104-51-8	n-Butylbenzene	0.81	2.42	ND	4.43	13.30	ND	
95-50-1	1,2-Dichlorobenzene	0.81	2.82	ND	4.86	17.00	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.21	2.82	ND	11.71	27.32	ND	
120-82-1	1,2,4-Trichlorobenzene	1.21	2.02	ND	8.99	14.98	ND	
91-20-3	Naphthalene	2.02	0.40	ND	10.59	2.12	ND	
87-61-6	1,2,3-Trichlorobenzene	1.21	2.02	ND	8.99	14.98	ND	
87-68-3	Hexachlorobutadiene	1.01	1.21	ND	10.77	12.92	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	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: 225311
Laboratory ID: 70

File Name: 2531170A.D
Description: T-514
Canister: 700
QC_Batch: 121825-MA1

Date Sampled: 11/25/2025 **Time:** 11:01
Date Analyzed: 12/18/2025 **Time:** 12:57
Can Dilution Factor: 1.21
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	1.01	1.21	228.26	2.73	3.27	617.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225311
Laboratory ID: 70

File Name: 225311
Description T-514
Canister: 700
QC_Batch: 121825-MA1

Date Sampled: 11/25/2025 **Time:** 11:01
Date Analyzed: 12/18/2025 **Time:** 12:57
Can Dilution Factor: 1.21
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	2.82	6.05	ND	11.56	24.78	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.

CE Schmidt, Ph.D.
Environmental Consultant
Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT D

CALIBRATION DATA

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

Making our world more productive

Linde Gas & Equipment Inc.
ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **73703616**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **8/28/2025**
Revision Number: **0**
Certification Date: **8/28/2025**
Lot Number: **70340 5238 6H**
Part Number: **AI EF.2MC-AS**
DocNumber: **856798**
Expiration Date: **8/27/2027**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.200 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.99998 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70: **2000 psig**
Cylinder Volume: **149 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **SA8940**

Fill Date: **8/26/2025**
Analysis Date: **8/27/2025**

Filling Method: **Gravimetric**

Analyst: **Ronnie Popularas**

QA Reviewer: **Clara Cambre**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

28 ppbv PROPYLENE

The gas calibration cylinder standard prepared by Linde Gas & Equipment Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Linde Gas & Equipment Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

IMPORTANT
The information contained herein has been prepared at your request by personnel within Linde Gas & Equipment Inc. While we believe the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any particular purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall liability of Linde Gas & Equipment Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.

Making our world more productive

Linde Gas & Equipment Inc.
ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **64472117**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/2/2025**
Revision Number: **0**
Certification Date: **5/2/2025**
Lot Number: **70340 5115 7E**
Part Number: **AI EF.2MC-AS**
DocNumber: **832230**
Expiration Date: **4/29/2027**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.206 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999794 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **143 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC351742**

Fill Date: **4/25/2025**
Analysis Date: **4/29/2025**

Filling Method: **Gravimetric**

Analyst: **Ronnie Popularas**

QA Reviewer: **Maria Martinez**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

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Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

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Making our world more productive

Linde Gas & Equipment Inc.
ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **64472117**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/2/2025**
Revision Number: **0**
Certification Date: **5/2/2025**
Lot Number: **70340 5115 7D**
Part Number: **AI EF.2MC-AS**
DocNumber: **832231**
Expiration Date: **4/29/2027**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.208 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999792 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **143 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC15341**

Fill Date: **4/25/2025**
Analysis Date: **4/29/2025**

Filling Method: **Gravimetric**

Analyst: **Ronnie Popularas**

QA Reviewer: **Maria Martinez**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

33 ppbv
PROPYLENE

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Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

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Making our world more productive

Linde Gas & Equipment Inc.
ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **73703616**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **8/28/2025**
Revision Number: **0**
Certification Date: **8/28/2025**
Lot Number: **70340 5238 6F**
Part Number: **AI EF.2MC-AS**
DocNumber: **856802**
Expiration Date: **8/27/2027**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.199 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999801 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70: **2000 psig**
Cylinder Volume: **145 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC68259**

Fill Date: **8/26/2025**
Analysis Date: **8/27/2025**

Filling Method: **Gravimetric**

Analyst: **Ronnie Popularas**

QA Reviewer: **Clara Cambre**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

42 ppbv
PROPYLENE

The gas calibration cylinder standard prepared by Linde Gas & Equipment Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Linde Gas & Equipment Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

IMPORTANT
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Linde Gas & Equipment Inc.

Picking Ticket

Ship Complete - Last Item

Picking Ticket # 5792008

5792008

Ship From : 70340
LINDE GAS & EQUIPMENT INC.
LGEPKG GEISMAR TX P
37256 HIGHWAY 30
GEISMAR LA 70734-3519
225-677-7700

Ship To : 82062642 CU Cust # : CESH0
CE SCHMIDT
19200 LIVE OAK RD
RED BLUFF CA 96080-9248

Caller Name : CHUCK SCHMIDT
Caller Phone # : 530-529-4256

Order # :73703616 ORD TYPE : ZO
Shipment # :
Order Date :8/18/2025 Promise Date :9/24/2025
Order Processed By:GEOVANNEE DIAZ,
Phone # :
Ship Via :Common Carrier
Route# :
Carrier Name : OLD DOMINION
Rev Brn :71169 8/18/2025 01:51PM EST

Sold To:82062642
CE SCHMIDT
19200 LIVE OAK RD
RED BLUFF CA 96080-9248

PO # : VERBAL CHUCK
Release #:
Phone # :

Customer #

82062642

Order #

73703616

CALL CHUCK DAY PRIOR
Ship Cylinders In Individual Cardboard Boxes Strapped To A Flat Wood Pallet Advance Notice Of Delivery Required By Carrier-note "delivery Appt Required/call 530-529-4256" On Bill Of Lading.

QTY SHIP	UM	H M	ID NUMBER	DESCRIPTION & HAZARD CLASS	LINE NO	ITEM NO/ CUST.ITEM NO	QTY ORDER	QTY BKORD	CYLINDERS SHIP	CYLINDERS RET	TAX Y/N	VOL/ WT	UNIT AMOUNT	EXTENDED AMOUNT
6	CYL	X	UN1956	COMPRESSED GAS, N.O.S. (AIR, 1,1-DIFLUOROETHANE) CLASS 2.2	1.000	AI EF.2MC-AS	6	0	6		Y	873 CF 353.71 LB	840.00	5,040.00
				AIR-1,1-DIFLUOROETHANE 0.2 PPM CS AS Promise Delivery 9/24/2025		Mfg # 11-01-24-0850LH 1,1-DIFLUOROETHANE 0.00002% AIR 99.99998% (BAL)								
1	EA			SHIPPING & HANDLING CHG Promise Delivery 9/24/2025	2.000	ZZZSHP&HDL	1	0			Y	NA 1.00 EA	342.52	342.52

Total weight	354.71 LB

Sub Total	USD 5,382.5
Tax (%)	USD 365.4
Total Sales	USD 5,747.9

EMERGENCY RESPONSE
TELEPHONE NUMBER:
CALL CHEMTREC 1-800-424-9300

WARNING: Transporting flammable gases and/or hazardous materials in an enclosed van, automobile or automobile trunk is very dangerous because it can cause a fire or explosion resulting in serious injury or death. Read cylinder label warnings,Safety Data Sheets (SDSs) and/or safety booklet P-3499. PLACARDS OFFERED ☐ ACCEPTED ☐ REJECTED

This is to certify that the above named materials are properly classified, described, packaged, marked, labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

www.lindedirect.com/legal-docs/terms-and-conditions

Terms & Conditions

Authorized Signature _____

Received by _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/10/25 SAMPLERS CBS

LOCATION CCLF #6

INSTRUMENT TYPE TVA I.D. NO. 4250 TYPE THC ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0900 INPUT ZERO AIR RESPONSE 6.2 PPMV

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 PPMV RESPONSE 98 PPMV

RECALIBRATION: YES _____ NO X

ACCEPANCE #2 % OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1320 INPUT ZERO AIR RESPONSE -2 PPMV CCLS - HOT Amb Temp

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 PPMV RESPONSE 220 PPMV

ACCEPTANCE ND

RECALIBRATION: YES X NO _____

INPUT- ZERO AIR RESPONSE 2 PPMV

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 PPMV RESPONSE 79 PPMV

ACCEPTANCE OK (NOT GREAT)

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/10/25 SAMPLERS CES

LOCATION CCLF #6

INSTRUMENT TYPE JB31 I.D. NO. 1631 TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS _____

0910

PRE-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.003 AA PPMV 0.000 PPMV ZERO

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES _____ NO X

ACCEPANCE OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1312

INPUT ZERO AIR RESPONSE 0.002 ✓ PPMV

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE OK

RECALIBRATION: YES _____ NO X

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/10/25 SAMPLERS CBS

LOCATION Cell #2

INSTRUMENT TYPE T631 I.D. NO. 1392 TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0910

INPUT ZERO AIR RESPONSE AA 0.009 ppmv ZB 0.002 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES _____ NO _____

ACCEPANCE _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1318

INPUT ZERO AIR RESPONSE 0.002 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE OK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/11/2025 SAMPLERS CES

LOCATION CCLF #6

INSTRUMENT TYPE TVA I.D. NO. 4250 TYPE THC ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0646

INPUT ZERO AIR RESPONSE 1.2 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 ppmv RESPONSE 84 ppmv

RECALIBRATION: YES _____ NO ☒

ACCEPANCE _____

INPUT- ZERO AIR RESPONSE 0.4 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1247

INPUT ZERO AIR RESPONSE 0.4 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 ppmv RESPONSE 86 ppmv

ACCEPTANCE ±12% ✓ OK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/11/25 SAMPLERS CTS

LOCATION CCLF

INSTRUMENT TYPE 5631 I.D. NO. 1392 TYPE H_2S ID NO. AMD 1631

INSTRUMENT BASELINE

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS

0700

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1392 0.000 ppmv 1631 0.000 ppmv

SPAN GAS TYPE NA INPUT CONCENTRATION RESPONSE

RECALIBRATION: YES X NO H/L ADJ

ACCEPANCE

INPUT- ZERO AIR RESPONSE

SPAN GAS TYPE INPUT CONCENTRATION RESPONSE

ACCEPTANCE

COMMENT

POST-USE CALIBRATION: ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1250

INPUT ZERO AIR RESPONSE 1392 0.002 ppmv 1631 1ST 0.018 ppmv 2ND 0.014

SPAN GAS TYPE NA INPUT CONCENTRATION RESPONSE

ACCEPTANCE OK

RECALIBRATION: YES X NO H/L CONTINUOUS

INPUT- ZERO AIR RESPONSE

SPAN GAS TYPE INPUT CONCENTRATION RESPONSE

ACCEPTANCE

RECALIBRATION: YES NO

INPUT- ZERO AIR RESPONSE

SPAN GAS TYPE INPUT CONCENTRATION RESPONSE

ACCEPTANCE

RECALIBRATION: YES NO

COMMENT

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/12/95 SAMPLERS CBS

LOCATION Colt #6

INSTRUMENT TYPE TA I.D. NO. 4250 TYPE THC ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

0822

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 3.0 ppmv

SPAN GAS TYPE CH_4 INPUT CONCENTRATION 100 ppmv RESPONSE 94 ppmv

RECALIBRATION: YES _____ NO _____

ACCEPANCE ±6% ✓ OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

1300

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE -0.7 ppmv

SPAN GAS TYPE CH_4 INPUT CONCENTRATION 100 ppmv RESPONSE 91 ppmv

ACCEPTANCE ±9% OK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 4/22/25 SAMPLERS CBS

LOCATION CCLF #6

INSTRUMENT TYPE TVA1X I.D. NO. 1392 TYPE _____ ID NO. 1631

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0823

INPUT ZERO AIR RESPONSE 1392 0,000 ppmv 1631 0,000 ppmv

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES X NO H/L

ACCEPANCE OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1300

INPUT ZERO AIR RESPONSE 1392 0,000 ppmv 1631 0,000 ppmv

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES X NO H/L

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/24/2025 SAMPLERS CES

LOCATION CCLF PART 2

INSTRUMENT TYPE TVA I.D. NO. 4250 TYPE THC ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 ppmv RESPONSE 104 %

RECALIBRATION: YES _____ NO X

ACCEPANCE F4 70 A OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.76 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION 100 ppmv RESPONSE 95 ppmv

ACCEPTANCE F5 95 WRE

RECALIBRATION: YES _____ NO X

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 4/24/21 SAMPLERS CES

LOCATION

INSTRUMENT TYPE _____ I.D. NO. 1392 TYPE 1631X ID NO. 1631

INSTRUMENT BASELINE H_2S

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS

0841

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1631 0,004 ppm 1392 0,001 ppm

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES X NO _____ H/L H/L

ACCEPANCE OK OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

0930

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1392 0,000 ppm 1631 0,000 ppm

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES X NO H/L ALWAYS!

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 11/25/25 SAMPLERS CES

LOCATION CCLF #6

INSTRUMENT TYPE _____ I.D. NO. 4250 TYPE TVA THC ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0630

INPUT ZERO AIR RESPONSE 2.7 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 ppmv RESPONSE 106 ppmv

RECALIBRATION: YES _____ NO _____

ACCEPANCE ±6% 106 ppmv

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1051

INPUT ZERO AIR RESPONSE 0.20 ppmv ✓

SPAN GAS TYPE CH4 ✓ INPUT CONCENTRATION 100 ppmv RESPONSE 101 ppmv

ACCEPTANCE ✓ OK ±1%

RECALIBRATION: YES _____ NO X

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 6/25/25 SAMPLERS GS

LOCATION CCLF #6

INSTRUMENT TYPE TVA1 I.D. NO. 2X 1392 TYPE TVA1 ID NO. 1632

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0630

INPUT ZERO AIR RESPONSE 1392 0.000 ppmv 1632 0.011 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES X NO X H/L ALWAYS

ACCEPANCE _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

1200

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.000 ppmv 1392 0.000 ppmv 1632

SPAN GAS TYPE MA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES X NO _____ H/L

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

Attachment 2
Source Test Protocol

Chiquita Canyon Landfill
Castaic, California

Additional Assessment of Air Emissions From Landfill Surfaces



Sampling Protocol

Revision 0

December 2023

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1. SCS Site Specific Health and Safety Plan

1. Introduction

Landfill Surface Nomenclature

For the purposes of this protocol, the surface of the Chiquita Canyon Landfill (CCL or Landfill) was divided into the following areas:

Non-Reaction Area

This will be the portion of the Landfill that is not affected by the landfill reaction and that does not exceed the South Coast Air Quality Management District (SCAQMD) Rule 1150.1 integrated data limit of 25 parts per million by volume (ppmv) on the most recent surface emissions monitoring (SEM) event.

Reaction Area

This will be the portion of the Landfill designated as being affected by the landfill reaction and that does not exceed the SCAQMD Rule 1150.1 integrated data limit of 25 ppmv on the most recent SEM event.

Exceedance Area

This will be the portion of the Landfill designated as being affected by the landfill reaction and that exceeds the SCAQMD Rule 1150.1 integrated data limit of 25 ppmv on the most recent SEM event. This portion of the Landfill will be considered separately to assess any impact that the grid cells that exceeded the Rule 1150.1 integrated data criteria might have on total site surface emissions. Note that these grid cells are subject to a strict remediation schedule, so any emissions from these cells, over and above those from a reaction area cell not in exceedance, would be a temporary phenomenon.

Background

CCL is a municipal solid waste (MSW) landfill located in northern Los Angeles County. It recently has had an area in the landfill experiencing elevated gas temperatures and surface subsidence, with accompanying high SEM values, due to a subsurface reaction.

In accordance with Condition 12.d of the Stipulated Order for Abatement (SOFA) (Case No. 6177-4) between the SCAQMD and Chiquita Canyon, LLC (Chiquita), Chiquita is required to conduct an additional flux chamber study as a follow-up to a flux chamber study previously completed under the direction of the Los Angeles County Department of Public Health, which was submitted to the SCAQMD by October 31, 2023. Procedures for this additional study, as detailed in Condition 12.d, are provided below:

> *Respondent shall conduct an additional landfill gas flux study for methane, non-methane organic compounds ("NMOC"), total reduced sulfur ("TRS"), and speciated sulfur compounds to determine the surface flux throughout the landfill. The study shall be conducted through the use of static flux chambers oriented at various locations throughout the landfill site. Respondent shall prepare a proposed protocol for the study based on the results of the initial study and shall submit the protocol to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] for review and approval by December 31, 2023. A report documenting the differences in the findings between the initial study and the additional study shall be submitted by no later than 90 days after South Coast AQMD approves the protocol to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)].*

This protocol is intended to address the requirements in the SOFA as well as provide an emissions assessment to determine the landfill emissions of odor and other substances for both the "non-reaction area" and "reaction area" of the Landfill.

Regarding the testing technologies to be used, as with the initial flux chamber study, the U.S. Environmental Protection Agency (USEPA) surface emission isolation flux chamber (flux chamber) technology will be used. This preferred USEPA technology as modified and described by SCAQMD Rule 1133.3, Attachment A is a dynamic chamber method for direct measurement on advective area sources. This approach is further described in Section 5.

In addition, data will be collected that will allow for the accurate estimation of past and future emissions based on past and future SEM events.

Site Location

The test site is the Chiquita Canyon Landfill, which is located at 29201 Henry Mayo Drive, Castaic, California, 91384.

Figure 1.1 – Site Location Map.



Facility Description

Chiquita Canyon Landfill is an active MSW disposal facility.

Objective

The objective of this additional emission assessment is to quantify by field measurement, the air emissions of odors, fixed gases (including methane, carbon dioxide, and carbon monoxide), reduced sulfur compounds, and speciated volatile organic compounds (VOCs) from the areas of the Landfill affected by the reaction and areas not affected by the reaction.

The air emissions will be directly measured using the USEPA Surface Emission Isolation Flux Chamber (flux chamber) following the USEPA User's Guidance document. Whole air samples will be collected

from the flux chamber by lined Summa® canister and Tedlar® bag with analysis by the following methods:

- American Society for Testing and Materials (ASTM) E-679 for olfactory odor,
- ASTM D-1945/USEPA Method 3C for fixed gases (including methane, carbon dioxide, and carbon monoxide),
- USEPA Method 3C for helium,
- SCAQMD Method 307-91 for hydrogen sulfide (H_2S)/organic reduced sulfur (ORS),
- USEPA Method TO-15 for speciated VOCs, and
- USEPA Method TO-12 for total non-methane VOC with functional group/molecular weight distribution.

Flux from soil surfaces can either be diffusive (driven by molecular action), advective (driven by gas movement), or a combination of both.

Given that it is expected that the landfill surface will have an advective flow at some or many locations, the flux chamber assessment will include the use of a tracer (10% helium) in the chamber sweep air gas as per SCAQMD Rule 1133.3, Attachment A. The dilution of the tracer taken from the evacuated canister samples will be used to calculate total flow in the flux chamber for the emissions assessment. Note that TO-12, TO-15, and ASTM D-1945/USEPA Method 3C samples will be collected and analyzed from the same sample canister.

2. Sampling Scope

This study will focus on the assessment of air emissions from areas of the Landfill affected by the reaction and areas not affected by the reaction. Each landfill area will be tested using the flux chamber technology. Flux chamber measurement data performed at representative locations within grid cells will be used to estimate odor/NMOC/sulfur compound/toxic air contaminant (TAC)/fixed gases emissions from the Landfill.

Cell grouping (see Table 2.1) is proposed to test high, medium, and low emitting cells (based on screening data) for both the non-reaction area surfaces and the reaction area surfaces. In addition, in order to better understand variability, replicate medium emission cells will be tested along with one cell that will be tested twice, with at least 24 hours between tests.

The product of the measurement program, which is based on the screening or monitoring data for air emission potential, is an average flux of odor/NMOC/sulfur/TAC emissions per category of grid cell. These grid cell flux data multiplied by the number of grid cells in these categories when summed, will represent the air emissions of compounds from the landfill operation.

Table 2.1 Landfill Emissions Flux Chamber Testing Scope.

SOURCE	Flux Chamber Tests	Odor/TAC/Fixed Gas/VOC Sampling	Comment
Non-Reaction Area Landfill Surfaces			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Medium Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Second Medium Emission Category Grid Cell	4	4	Replicate cell for QA/QC
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Reaction Area Landfill Surfaces (Footprint)			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Medium Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Second Medium Emission Category Grid Cell	4	4	Replicate cell for QA/QC
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Exceedance Area Surfaces			
Intent to quantify difference in grid testing	4	4	Samples taken at same or distributed within levels of emission potential within category of grid cell
Repeat Area Surfaces			
Intent to quantify difference in grid testing	4	4	Samples taken at initial, marked test locations within levels of emission potential within category of grid cell
QC Blank Samples		4	Minimum of 5% Blank Samples
QC Replicate Samples		4	Minimum of 5% Blank Samples
Total	40	48	

3. Quality Control

Quality control (QC) procedures that are used to assure data quality from flux chamber measurement are listed and described below. USEPA recommends no specific QC requirements except that a flow meter is used to introduce the sweep air at a rate of 5.0 liters per minute (l/min), which requires calibration (i.e., multiple trials at single point of use calibration using a primary standard current for the year). The rotometer used as part of the emission measurement test should not be used for other applications, ensuring the clean operation of the air introduction system. Operation of the chamber should follow the specific protocol for use described in the USEPA User's Guide. This includes using a 5.0 l/min sweep airflow rate and allowing for five residence times to achieve equilibration prior to sample collection. Other sampling quality control procedures are listed below.

- Media Blank Sample -- A media blank sample is obtained by filling sampling media with ultra high purity air, water, or impinger solution in the field, and handling the media blank samples as field samples. The frequency of media blank samples is a minimum of 5%, or one per trip. Media blank samples will be collected daily, and these data will be used to establish the system baseline.

- Replicate Sample -- Sample precision is determined by collecting a replicate sample immediately after a sample is collected and analyzing both the field sample and the field replicate sample. The frequency of replicate sample collection will be a minimum of 5%; a replicate sample will be collected daily. The criteria for acceptable field precision is ±50% relative percent difference (RPD).

- Specific Method Performance -- Specific method QC is conducted as per analytical method requirements. This includes laboratory blanks, species recovery, and adherence to other method performance objectives such as calibration and retention time identifications. The laboratories will follow the method QA requirements for all listed methods.

- Sample Management -- Sample management is defined by the specific sampling method used to satisfy the program objectives. Sample management typically includes all activities, including the recording, preserving, storing, handling, and shipping of the field samples. A summary of the sample management information for the proposed field measurement activities is given in Tables 3.1 and 3.2.

Table 3.1 Summary of Sample Management Information

Analytical Method	Sample Container	Hold Time	Preservation	Special Considerations	Comment
ASTM E-679	10-Liter Tedlar® Bag	30 hours	None	Ship in Cardboard	None
USEPA Method TO-15/TO-12	6-Liter Canister	28 days	None	Ship in Cardboard	None
SCAQMD 307-91	1-Liter Tedlar® Bag	24 hours	None	Ship in Cardboard	None
ASTM D-1945/USEPA Method 3C	6-Liter Canister	30 days	None	Ship in Cardboard	None

Data qualifiers that will be used to assist in data usage include:

- J -- estimated value or below method reporting limit (MRL);
- B -- value found in blank sample and baseline corrected; and
- E -- value found at level that exceeds calibration range.

Laboratory recovery and precision data, as well as field precision data, will be used to qualify data usage for the site flux chamber program.

The field QC activities scheduled for the field testing are summarized in Table 3.2. Deviation in schedule or frequency of QC activities will require corrective action, including documentation of corrective action in the field notebook and notifying an SCS project manager of the deviation and corrective action.

Table 3.2. Summary of Field Quality Control Information

Sampling Method	Activity	Frequency	Criteria	Comment
Flux Chamber	Rotometer Single-Point Calib.	Once per year	Define Rotometer Setting	None
Field Blank	All media	Minimum of 5%	None	Use As Baseline Data
Replicate Sample	All media	Minimum of 5%	± 50% RPD	Qualify Exceedances

4. Sampling Strategy

Sample locations will be selected based on SEM data obtained under the SCAQMD Rule 1150.1 SEM program. The SEM program consists of surveying the landfill surface on a track using a field portable, calibrated instrument sensitive to methane and total non-methane hydrocarbon (TNMHC). Using this methodology, landfill grid cells will be selected for flux chamber testing. The landfill grid pattern, showing the current designated reaction area grid cells, is shown in Figure 4.1.

Test Cell Selection Methodology

This emissions assessment will be conducted by analyzing the Rule 1150.1 SEM data and categorizing the landfill areas based on surface emissions. At this site, SEM events are conducted as often as every two weeks.

The SEM events are conducted using an instrument fit with a flame ionization detector (FID) along with global positioning system (GPS) location recording to map fugitive surface hydrocarbon concentrations following a pattern in each grid cell for the site. Instantaneous fugitive concentration data is determined by walking a serpentine path across each nominal 50,000 square foot (ft^2) landfill grid cell. Integrated concentration data is determined by averaging the instrument readings obtained while traversing the serpentine path as illustrated in Figure 4.2.

Emissions concentration data and location information will be collected and stored for the purpose of ranking grid cells on the Landfill by emissions concentration. The integrated concentration data will be used to 'rank' the grid cells into categories of high, medium, and low emissions. The instantaneous fugitive concentration data will be used to select representative locations for flux chamber testing where flux data for odors/VOCs/sulfur/TACs will be collected. The flux from these representative locations will be used to estimate air emissions from the entire surface of these cells.

Tables 4.1 through 4.3 show the sorted integrated SEM data for the non-reaction area cells for the period May 1, 2023 through July 25, 2023. Table 4.4 shows the sorted integrated SEM data for the reaction area cells for the period May 1, 2023 through July 25, 2023. The data included in Tables 4.1 through 4.4 are from the first test event and are solely provided here for illustrative purposes. For the actual test event, all data available will be used, with the most recent data receiving the most emphasis.

Column 1 will show the grid cell number designation.

Column 2 will show the surface area of each grid cell (each grid cell is nominally 50,000 ft^2, but for this analysis, the exact area of each grid cell will be used).

Columns 3 through 8 will show the integrated SEM values (FID response as ppmv methane) for each SEM event. The most recent SEM event will be shown in red.

Column 9 will show the average of all the SEM events.

Column 10 will show the cumulative average of all the cells above the cell in question.

Figure 4.1 Chiquita Canyon Landfill Cell Gridding (reaction area cells highlighted).

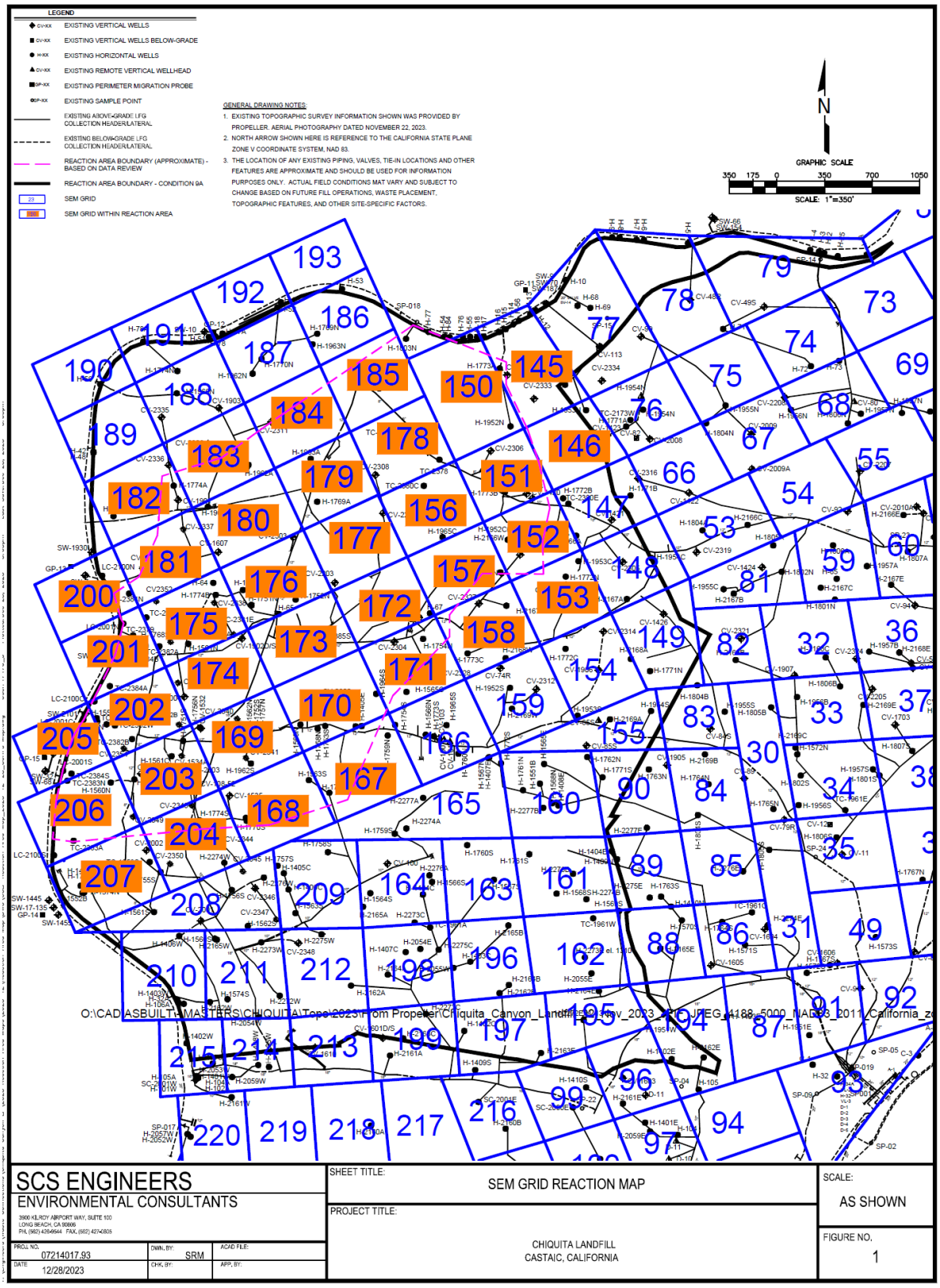


Figure 4.2 Typical Serpentine Landfill Walk Pattern for a 50,000 Square Foot Grid (from Rule 1150.1).

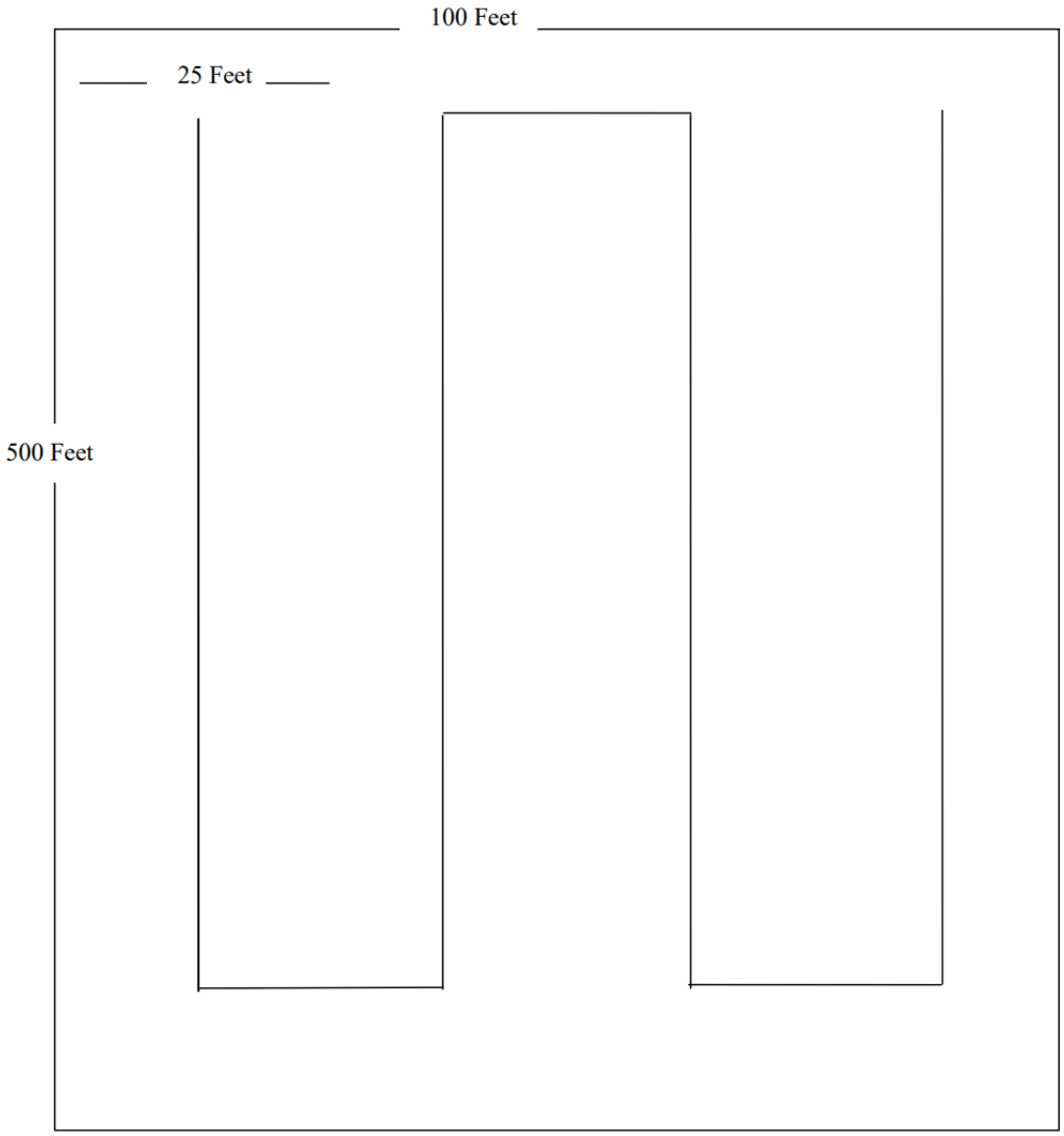


Table 4.1 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (5/1/2023 – 7/25/2023 used as an example) (ppmv FID as methane). High Emission Cells

Grid		SEM Data								Average	
ID	Area (ft2)	5/1/2023	5/15/2023	5/31/2023	6/14/2023	6/28/2023	7/12/2023	7/25/2023	8/24/2023	FID	Cumulative
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	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	7.00	232.64
230	49,427	7	AT	AT	AT	AT	AT	AT	AT	7.00	239.64
234	42,867	7	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

Notes for Tables 3.1 through 3.4:

1. "HE" means that the grid cell was not monitored due to heavy equipment operating in the grid cell.
2. "AT" means that the grid cell was not monitored due to active trash disposal in the grid cell.

Table 4.2 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (5/1/2023 – 7/25/2023 used as an example) (ppmv FID as methane). Medium Emission Cells

Grid		SEM Data								Average	
ID	Area (ft2)	5/1/2023	5/15/2023	5/31/2023	6/14/2023	6/28/2023	7/12/2023	7/25/2023	8/24/2023	FID	Cumulative
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

Table 4.3 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (5/1/2023 – 7/25/2023, used as an example) (ppmv FID as methane). Low Emission Cells

Grid		SEM Data								Average	
ID	Area (ft2)	5/1/2023	5/15/2023	5/31/2023	6/14/2023	6/28/2023	7/12/2023	7/25/2023	8/24/2023	FID	Cumulative
159	56,972	6	4	5	5	6	2	6	2	4.50	692.61
212	58,054	6	5	3	5	6	3	3	5	4.50	697.11
225	38,630	7	5	2	3	5	8	5	1	4.50	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	723.59
30	53,460	AT	5	2	4	5	4	6	AT	4.33	727.93
154	54,536	AT	7	3	3	7	2	4	AT	4.33	732.26
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	770.43
2	45,352	2	3	3	6	5	8	4	2	4.13	774.55
3	50,019	2	5	5	6	2	7	4	2	4.13	778.68
28	39,741	3	3	4	4	5	7	4	3	4.13	782.80
91	47,895	6	4	8	3	2	3	5	2	4.13	786.93
92	47,660	4	2	7	2	3	6	4	5	4.13	791.05
120	46,799	5	4	7	3	2	3	4	5	4.13	795.18
130	34,533	3	1	1	7	2	6	5	8	4.13	799.30
197	56.626	7	4	6	3	3	1	6	3	4.13	803.43
1	42,205	3	4	6	5	4	3	3	4	4.00	807.43
4	53,410	3	4	2	3	3	9	4	4	4.00	811.43
18	42,901	3	3	5	4	5	2	6	4	4.00	815.43
26	54,472	3	3	4	2	5	6	3	6	4.00	819.43
47	56,104	6	1	3	7	6	2	5	2	4.00	823.43
52	55,676	7	3	2	5	3	2	HE	6	4.00	827.43
61	58,640	7	5	2	2	2	2	5	7	4.00	831.43
129	46,067	4	3	2	5	5	3	6	4	4.00	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	847.05
199	**52,647**	**5**	**7**	**2**	**5**	**3**	**4**	**4**	**1**	**3.88**	**850.93**
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	3.83	862.48
106	50,785	3	3	6	1	3	5	2	7	3.75	866.23
111	54,270	3	6	3	4	5	3	4	2	3.75	869.98
222	47,335	7	1	4	2	4	2	9	1	3.75	873.73
224	47,895	6	2	7	4	2	2	6	1	3.75	877.48
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	3.63	884.77
113	31,853	4	1	4	1	5	4	3	7	3.63	888.39
114	58,149	3	1	8	4	2	8	2	1	3.63	892.02
117	42,797	3	4	2	1	3	8	2	6	3.63	895.64
123	37,280	3	2	4	5	3	4	2	6	3.63	899.27
131	41,070	3	4	4	5	2	5	4	2	3.63	902.89
134	43,452	4	2	5	6	4	1	4	3	3.63	906.52
194	71,501	7	2	3	8	1	2	3	3	3.63	910.14
23	56,405	3	6	1	3	1	3	3	8	3.50	913.64
124	43,289	2	5	3	6	6	1	3	2	3.50	917.14
125	46,593	3	6	1	2	3	5	4	4	3.50	920.64
128	48,480	4	2	5	2	2	1	5	7	3.50	924.14
132	43,711	5	4	4	4	1	5	3	2	3.50	927.64
136	33,845	3	3	6	1	1	4	5	5	3.50	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	937.89
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	951.39
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	3.13	980.81
109	55,703	4	1	6	2	3	2	5	2	3.13	983.93
119	46,712	4	1	3	1	5	4	4	3	3.13	987.06
7	50,364	4	2	2	2	2	6	HE	HE	3.00	990.06
110	55,586	4	3	2	2	3	1	3	6	3.00	993.06
139	46,331	4	2	1	4	4	3	3	3	3.00	996.06
14	57,525	2	2	2	2	3	3	5	4	2.88	998.93
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	1,007.56
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		2.83	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	1,021.52
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	1,026.93
115	52,538	3	1	1	3	5	3	4	1	2.63	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	2.13	1,033.93

Table 4.4 Summary of Exceedance Area Cell Sorted Integrated Grid Data (5/1/2023 – 7/25/2023, used as an example) (ppmv FID as methane). All Cells

Grid			SEM Data								Average	
ID	RG?	Area (ft^2)	5/1/2023	5/15/2023	5/31/2023	6/14/2023	6/28/2023	7/12/2023	7/25/2023	8/24/2023	FID	Cum.
Exceedance Area												
206	Y	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	Y	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
Reaction Area												
151	y	43,622	AT	6	83	13	7	4	5	21	19.86	19.86
203	**y**	**51,487**	**19**	**27**	**12**	**9**	**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	Y	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	Y	62,754	54	14	2	17	4	4	16	2	14.13	253.04
208	Y	70,031	43	7	6	2	2	7	5	2	9.25	262.29

The non-reaction area test cells (see Tables 4.1 through 4.3) will be initially selected by organizing the integrated SEM data by average (Column 9) and splitting the resulting data into three categories: high, medium, and low emissions. From there, the mean cell(s) from each group will be initially selected for testing. These cells will be highlighted in blue in the data tables.

A similar process will be used for the reaction area test cells (see Table 4.4). One grid cell will be selected to be tested from the exceedance area. This cell will be highlighted in red. The non-exceedance reaction area test cells will be initially selected by splitting the data into high, medium, and low emission groups. The mean cell(s) from each group will be initially selected for testing. These cells will be highlighted in blue in the data tables.

Table 4.5 shows the anticipated integrated FID readings for each of these cell selection groups.

The Landfill will then be evaluated for the final cell selection. This will be done because sometimes a selected cell may not be accessible for testing or may not otherwise be representative. This cell will be highlighted in red, signifying that it is the actual test cell for that group. This procedure will be replicated for each of the landfill area/sub-area groups.

Note that any cell can be tested and pro-rated using this methodology. However, the mean emissions cells will be used because they should result in the most accurate results.

Table 4.5 Target Cell SEM Integrated Values for Each Test Condition.

Condition	Target Integrated Screening Value (ppmv)
Non-Reaction Area Low	4
Non-Reaction Area Medium	5
Non-Reaction Area High	8
Exceedance Area Low	12
Exceedance Area Medium	16
Exceedance Area High	22

Selecting Test Points in a Cell

Using survey flags, the serpentine route prescribed by Rule 1150.1 in a cell will be walked and FID readings will be periodically noted on planted flags and on the field screening data forms as shown in Figure 4.3. Flux chamber samples will be taken at the following target locations:

1. Highest Emission - Peak FID reading on serpentine walk.
2. High Emission - Mid-point of the highest 10% of readings.
3. Medium Emission - Mid-point of the next 40% of readings.
4. Low Emission – Mid-point of lowest one-half of readings.

During the testing event, areas will be assigned to each of the above four groups by the portion of data points (flags) in each group. Cells will be screened twice, once at least 24 hours but no more than 48 hours prior to the screening event, and again immediately prior to sampling. Results will be recorded on the same form using different ink colors. Photo 4.1 shows typical field screening activity.

Figure 4.3 Grid Cell Screening Form

Chiquita Canyon Landfill
Cell Screening Form

Grid ID _____

Instrument _____

Baseline _____

Date _____

Time _____

Windpeed/Dir _____

Samplers _____

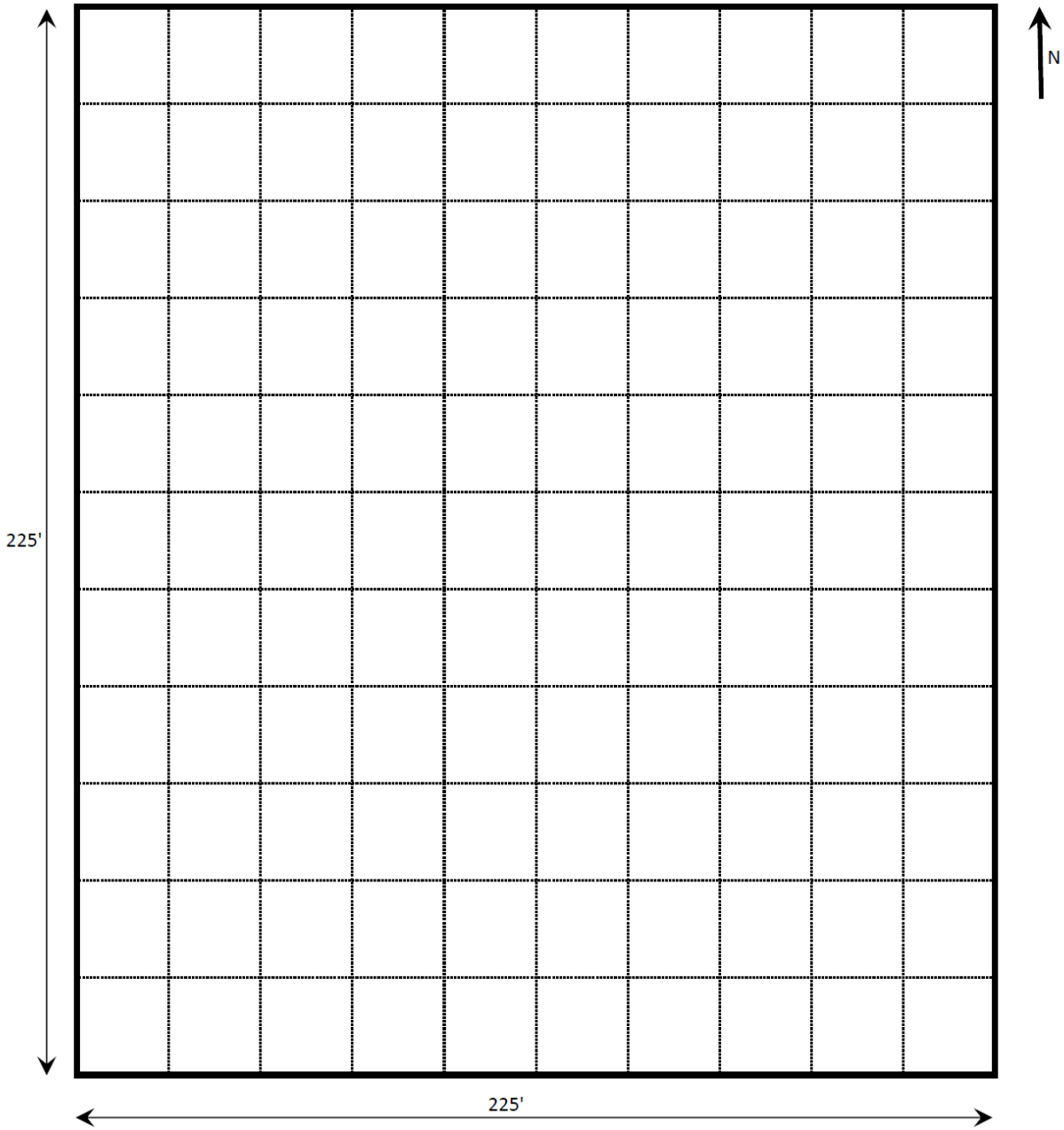


Photo 4.1 Typical Field Screening to Determine Flux Chamber Sampling Locations.



5. Sampling Methods

Flux Chamber Sampling

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

Dynamic vs. Static Chamber Technologies

Direct measurement using portable environmental chambers has been around now for many decades. USEPA and the Environmental Monitoring Systems Laboratory (EMSL-Las Vegas) in the early 1980s were interested in providing a direct emission measurement technology for 'area' sources that would complement point source assessment and mobile source assessment technologies. Both 'static' and 'dynamic' chambers were explored, looking at the efficacy of both approaches for use on hazardous and non-hazardous sites with area sources. The evaluation included criteria such as accuracy, precision, repeatability, cost, and ease of operation or level of expertise needed.

Looking at both static and dynamic chamber technologies, static chamber technologies were generally considered for screening applications versus quantitative assessment of emissions. The dynamic chamber technology approach was selected for research and method development. Although static chambers are considered low-tech in that they do not need a sweep gas and are easy to use by comparison, the problems associated with collecting valid data focused USEPA and EMSL-Las Vegas's attention on dynamic chambers.

Basically, a static chamber on an area source will collect surface emissions until an equilibrium is achieved in the chamber. That equilibration time is different with various compounds and type of source being tested. The key parameter in measuring 'flux' of compounds (mass transfer of compounds from the surface- mass/time, surface area), which is equilibration 'time' from an area surface, was unknown and would have to be assumed when the air sample from the static chamber was made. In addition, static chambers have significant wall effects from compound interaction. Further, as chamber air is pulled out of a static chamber, which is a sealed vessel, a vacuum is created in the chamber, resulting in a bias in the measurement.

These problems with static chamber technologies are overcome by using a dynamic chamber that is well mixed by design, uses a sweep air, and, given that the dynamic chamber is vented to the atmosphere,

prevents unwanted pressure effects on collecting samples from the chamber. This results in an accurate, precise, and reliable assessment of surface flux from area sources.

The USEPA flux chamber technology, which provides a protocol for this technology standardizing the design and use of the method as described in the USEPA Guidance document, is considered a preferred, in-depth assessment technology. This Guidance and technology overcomes the issues with static chambers (recommended only for screening purposes) by using a standard chamber design, construction materials, sweep air, and standard operating protocol. The sweep air added to the chamber reduces or eliminates chamber wall effects, and allows for sampling the air in the chamber at steady state conditions (equilibration time constant) without influencing the flux event--sample collection is maintained by protocol at a rate in a vented chamber so that the pressure (negative or positive) in the dynamic chamber does not exceed 0.1 pascal.

Even though the dynamic flux chamber requires a higher level of expertise to use, is more cumbersome to use, and requires a companion compressed air cylinder of ultra high purity air as a sweep gas, the dynamic flux chamber is an agency approved technology for this application, providing the most reliable assessment of area sources available. In addition, as modified by the SCAQMD (Rule 1133.3, Attachment A), this dynamic area source assessment technology has been approved for use with advective sources that allow, by use of a trace gas (10% helium), quantitation of the advective flow for each location tested.

Flux Chamber Methodology Used for This Study

The surface emission isolation flux chamber (flux chamber) can be used on any liquid surface and on solid surfaces. The only requirement regarding application is that there must be access to the surface for testing. If the surface cannot support the chamber, the chamber must be suspended or equipped with a flotation device or suspended from overhead.

For sampling natural or uncontrolled systems, the location and number of locations for testing must be sufficient so that these data can be used to calculate the total emissions from the emitting surface area. Photographs of the flux chamber used to measure odor/VOC/sulfur/TAC emissions from landfill operations are shown in Photo 5.1.

Photo 5.1 USEPA Flux Chamber Sampling Solid Surface



The basic operation of the flux chamber involved the following:

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

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

1. Locate the flux chamber, sweep gas, sample collection equipment, and field documents at the test location.
2. Document site information, location information, equipment information, name of sampler, date, and time on the Emissions Measurement Data Sheets (Figure 5.1).
3. Place the chamber approximately ¼ inch into test surface at the test locations selected as described in the Emissions Report. Seal the chamber along the base to prevent air infiltration. Place thermocouples to monitor soil and air temperature inside and outside of the chamber.
4. Initiate the sweep gas flow rate and set the rotometer at 5.0 lpm. Maintain a constant sweep gas flow rate. Record time.
5. Collect instrument background data (thermocouple) and other parameters (see Emissions Measurement Data Sheets) and record data.
6. Connect the purge pump to the chamber. Purge the sample line from the flux chamber without exceeding the line purge rate (or sample gas collection rate of 2.5 lpm; this prevents entraining of ambient air into the chamber.
7. Operate the chamber sweep air flow rate at 5.0 lpm and record data every residence time (6 minutes) for four to five residence times or 30 minutes. Record the flow rate and time data. Maintain the chamber at steady state. Purge the sample line and Tedlar bags from the flux chamber with at least 10 line-volumes of air as part of the odor bag sampling protocol using the decompression lung device, preparing the sample line for the balance of the sample media collection.
8. Connect the sample media sequentially (odor bag, sulfur bag, and evacuated canister) to the purged sample line and collect the gas sample. Do not exceed a collection rate of 2.5 lpm at any time to prevent unwanted dilution of chamber exhaust gas by ambient air. Both the odor and sulfur bags are purged prior to sample collection; the evacuated canister is not purged.
9. Label the sample bag and record sample collection on the data sheet.
10. Store the sample(s) in the appropriate storage and/or shipping container as specified in the SP.
11. Document sample collection in field data sheets.
12. Discontinue the flux measurement, shut off the sweep air, remove chamber, and secure equipment.
13. Decontaminate the chamber where contact was made with the liquid or solid material using a clean paper towel and water (if needed) to remove any soil and condensation from the inside of the chamber.
14. Relocate equipment to the next test location or test setting, and repeat steps 1 through 13.

Canister Sampling

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

Tedlar Bag Sampling

Grab samples using Tedlar® bags will be collected from the sample line from the flux chamber at the steady-state conditions (five residence times) for analysis for olfactory odor and sulfur containing species. Bag samples will be collected by connecting the sampling line from the flux chamber using 1/4-inch Swage-lock fittings inside the decompression lung or pressure fittings, drawing a vacuum on the decompression lung, and filling the Tedlar bag. Both the odor bag and the sulfur bag will be purged and evacuated prior to the sample collection in order to minimize sample bag interaction.

Sample Handling

All sampling media will be recorded using a chain-of-custody sheet, as shown on Figure 5.2. A copy of the chain-of-custody will be kept with the field samplers, and a copy will be shipped to the lab along with the samples. The lab will review the chain-of-custody, make any necessary annotations, and return a copy of the chain-of-custody with the reporting of the lab results.

Shipping

Samples will be packaged according to media preservation and shipping instructions. All samples will be shipped using commercial shippers allowing for sample hold times to be met by the laboratories. Shipping receipts will be retained by the field crew.

Figure 5.1 Flux Chamber Data Form.

SURFACE FLUX MEASUREMENT DATA FORM

DATE _____ SAMPLERS _____

LOCATION _____

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. _____ 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 _____ CC _____ SUPPLIER _____ PSIG START _____ PSIG STOP _____

Time	Sweep Air (L/min)	Residence Number	Temperature (°F)				Real-Time (ppmv)		Sample Number	Comments
			Chamber		Ambient					
			Surf	Air	Surf	Air				
		0								
		1								
		2								
		3								
		4								
		5								

COMMENTS:

_____
_____
_____
_____
_____
_____
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_____
_____
_____

SITE DIAGRAM

Figure 5.2 Example Chain-of-Custody Form

CE Schmidt, PhD, Environmental Consultant **Canisters Day 1**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples	#		Client Address and Phone Number	Laboratory Name
CES F1-02106	Please Contact:	O			***EAS***
Client Name		F		Analysis Requested	Laboratory Address
	Dr. Charles E. Schmidt	C			***173 Cross Street***
Project Manager	19200 Live Oak Road, Red Bluff, CA 96080	O			***San Luis Obispo, CA 93401***
	530-529-4256	N			Laboratory Phone
Requested Completion Date	E-Mail: SCHMIDTCE@aol.com	T			***805-781-3585***
		A			Laboratory Contact
		I			***Dr. Steve Hoyt***
		N	Sample		

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	ERS	Vial	Can	Tube	*TO-12 FID (TNMHC)*	*TO-14 FID (Target List/Groups)*	*TO-15 (See List on Back)*	*ASTM D-1945 (O2, CO2, He)*		*Can Pressure In (Inches Hg)*	*Can Pressure Out (Inches Hg)*	Remarks

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
				QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
				Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via		
		UPS FEDEX BUS Other		
Remarks	**Do Not Pressurize with Helium**			

6. Analytical Methods

Olfactometry (ASTM E-679)

Odor samples will be analyzed using an olfactory panel and butanol calibration. Gas samples are collected in purged Tedlar® bags using a decompression device where gas is collected by filling a bag without passing the sample through a pump. Tedlar® bag samples are collected, stored in light-shielded cardboard containers, and shipped to the lab via overnight express mail for analysis within 30 hours.

The odor samples are diluted to below olfactory detection limits and then introduced to a gas delivery system. A panel of eight members trained in odor response serves as the odor "detector." Panel members are asked to smell air samples delivered to one of three nose cones (the other nose cones have clean air), one of which has the diluted sample. The concentrations of sample are increased until one-half of the odor panel members can detect the odor. The odor measurement is concluded when detection by four of the eight panel members is recorded. The odor concentration is expressed as the number of dilutions that were required for one-half of the panel members to record detection: detection threshold (D/T) level. Typical method quality control includes field blank samples and duplicate analysis. Odor concentrations can be used to evaluate odor strengths, ambient odor, or in modeling exercises to estimate a downwind odor strength. Data will be reported as D/T and recognition threshold (R/T).

SCAQMD Method 307-91 for Organic Reduced Sulfur

Sulfur species will be analyzed from a Tedlar® bag using gas chromatography/sulfur chemiluminescence detector (GC/SCD). The target analyte list is shown on Table 6.1.

Table 6.1 Target Analyte List for H2S/ORS.

Hydrogen sulfide
Carbonyl sulfide
Methyl mercaptan
Ethyl mercaptan
Dimethyl sulfide (DMS)
Carbon disulfide
isopropyl mercaptan
t-butyl mercaptan
n-propyl mercaptan
s-Butyl mercaptan
i-Butyl mercaptan
Dimethyl disulfide
Tetrahydrothiophene
Unidentified sulfurs
Total reduced sulfur (TRS)

ASTM D-1945/USEPA Method 3C for Fixed Gases

Fixed gases will be analyzed from a Summa® canister using a GC/TCD. The target analyte list is shown on Table 6.2.

Table 6.2 Target Analyte List for Fixed Gases.
Methane
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide
Helium (as a tracer for flow determination)

USEPA TO-12 for VOCs or NMOCs

The C_2 to C_{12} hydrocarbons and TNMHC taken as VOC emissions is determined using fused silica capillary column on an HP 5890 GC with a FID detector. A 200 ml sample is loaded using a flow controller onto a glass bead freeze out trap immersed in liquid oxygen. The components are desorbed onto a cryo-focusing loop and separated using a 100-meter, 0.25-micron fused silica PetroCol capillary column. The column is programmed from -20 °C to 225 °C at 4 °C /min. On the FID, hydrocarbons have a uniform response based on the number of carbon atoms, and the total area is used to calculate the TNMHC. The instrument is calibrated using a National Institute of Standards and Technology (NIST) Traceable, 10 ppmv hexane standard. The data will be reported as TNMHC as methane. In addition, data will be provided as to distributions of functional groups and molecular weights/carbon counts.

USEPA TO-15 for VOC Species

USEPA Method TO-15 GC/MS method uses a cryo-trapping system with a high-resolution capillary column to analyze for TAC using gas chromatography/Mass Spectrometry (GC/MS). This method can be used for many saturated and unsaturated organic compounds, and includes alcohol compounds. The method can measure most compounds down to 0.2 parts per billion by volume (ppbv). The target compound list is provided in Table 6.3

Samples are analyzed on an HP 5890 Series II gas chromatograph. A gas phase internal standard mixture is injected with each sample prior to sample loading. The freeze-out loop is constructed of 1/8" x 8” nickel tubing packed with glass beads and is immersed in liquid oxygen while the sample is drawn through the loop using a vacuum pump connected to a mass flow controller adjusted to a flow of 50 milliliters per minute (ml/min). After the sample is trapped, it is thermally desorbed at 150 °C using an electric heater and is cryo-focused onto the beginning of a 0.32 millimeter (mm) internal diameter deactivated fused silica capillary column. The cryo-focused loop is then warmed, and the compounds are injected onto a 60-meter, DB-5, 0.25 mm ID fused silica capillary column in the GC. The GC is temperature programmed from -10 °C to 220 °C at a ramp rate of 13 °C /min. As the column is heated, the compounds elute off the column and enter the detector.

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Freon 12	n-Hexane	Dibromochloromethane
Chloromethane	Chloroform	1,2-Dibromoethane
Freon 114	Ethyl acetate	Tetrachloroethene
Vinyl chloride	Tetrahydrofuran	Chlorobenzene
1,3-Butadiene	1,2-Dichloroethane	Ethylbenzene
Bromomethane	1,1,1-Trichloroethane	m,p-Xylene
Chloroethane	Benzene	Bromoform
Acetone	Carbon tetrachloride	Styrene
Freon 11	Cyclohexane	1,1,2,2-Tetrachloroethane
Isopropyl Alcohol	1,20-Dichloropropane	o-Xylene
1,1-Dichloroethene	Bromodichloromethane	Benzyl chloride
Methylene chloride	Trichloroethene	4-Ethyl toluene
Carbon disulfide	1,4-Dioxane	1,3,5-Trimethyl benzene
Freon 113	n-Heptane	1,2,4-Trimethyl benzene
trans-1,2-Dichloroethene	cis-1,3-Dichloropropene	1,3-Dichlorobenzene
1,1-Dichloroethane	4-Methyl-2-pentanone	1,4-Dichlorobenzene
MTBE	trans-1,3-Dichloropropene	1,2-Dichlorobenzene
Vinyl acetate	1,1-2-Trichloroethane	1,2,4-Trichlorobenzene
2-Butanone	Toluene	Hexachlorobutadiene
cis-1,2-Dichloroethene	2-Hexanone	

7. Data Analysis and Reporting

Data Validation

All field and sample data will be reviewed and challenged against the method QC specifications. Data not meeting method specifications will be flagged appropriately.

Data Analysis

All cells will be quantitatively screened by FID for the integrated concentration. The cells will be placed into three groups based on emission levels for this screening. Cells will be assessed (high level, medium level, and low level) in detail by further screening and flux chamber measurement. The emissions from the representative cells will be used to estimate the emissions for the portion of the landfill that they represent, either non-reaction area surfaces or reaction area surfaces.

Report

The data will be presented in a report that provides a description of the sampling effort and tabular emission rates for each process. All field notes, chain-of-custody forms, and laboratory reports will be included in the report.

8. Project Implementation

Schedule

The project will be executed on the schedule given below. The project team will arrive the morning of testing at 0700. All equipment and field supplies will be inventoried that day. The first order of business will be to review health and safety issues. All field progress will be recorded on field data sheets, and all

chain-of-custody will be completed on the day of sample collection. All shipping records will be retained as part of the field data set, and the person shipping samples is responsible for contacting the laboratory prior to sample receipt.

Table 8.1 Project Schedule

Draft Protocol	12/31/2023
Field Sampling	Within 4 to 5 weeks of approval of protocol
Report	Within 3 to 4 weeks of receipt of laboratory data

Laboratory Shipping Addresses

Olfactometry Laboratory

Odor Science & Engineering, Inc.
105 Filley Street
Bloomfield, CT 06002
Contact: Martha O'Brien or Gary Grumley, (860) 243-9380 x102

FedEx: FedEx Ship Center
21300 Vanowen St
Canoga Park, CA 91303
Last East Coast Drop Off: 5:00 PM

Canister Analysis

EAS
173 Cross Street
San Luis Obispo, CA 93401
Contact: Steve Hoyt, (805) 781-3585

Sulfur Analysis (either lab)

AtmAA
23917 Craftsman Road
Calabasas, CA 91302
(818) 223-3277

AAC
2225 Sperry Avenue
Ventura, CA 93003
(805) 650-1642

Project Equipment

All sampling media (prepared per method specifications) will be provided by the contract laboratory, including clean, evacuated canisters. Dr. C.E. Schmidt will supply all other sampling equipment and expendable supplies. Following are the necessary field equipment and expendable supplies for the proposed field testing:

- USEPA flux chambers per USEPA design, including stainless steel Swage-lock fittings
- Support cooler with a mounted rotometer (0-to-5 liter per minute) through the cooler walls
- Brass, 2-stage regulator for bottled air (CGA 590) fitting for air and 1/4" Swage-lock (male) adapter fitting
- Ten-foot, ¼-inch Teflon® line with female fittings
- Ten-foot, ¼-inch Teflon® air inlet/outlet support line
- Large size plastic support cooler
- Set of miscellaneous hand-tools, including an adjustable crescent wrench for the CGA 580 regulator fitting, small adjustable crescent wrench for the 1/4-inch swage fittings, assorted medium- and small-size screw drivers
- Two 12-inch Type K thermocouple wires and temperature readout
- Rigid-wall shipping/storage crate for the flux chamber mounted on roller wheels
- Decontamination supplies, including Alconox soap, paper towels, and wash water
- Ultra high-purity air bottles with trace gas helium (4, size 150)
- Purge pump for sample line purging
- Canister media
- Sample shipping containers
- Hand tools
- Camera
- Hard hat
- Safety glasses
- Decompression lung samplers (2) for bag sample collection
- TVA-100B with support and calibration gases
- Jerome 631X analyzer

9. Health and Safety

All field work will be in conformance with the SCS Site Health and Safety Plan (attached). Specific requirements include:

- Hard hat,
- Safety shoes,
- Eye protection,
- Visibility clothing, and
- Personal gas monitoring.

10. Works Cited

U.S. Environmental Protection Agency (USEPA). 1986. *Measurement of Gaseous Emission Rates from Land Surfaces Using an Emission Isolation Flux Chamber- User's Guide*, EPA 600/8-86-008 (NTIS PB86-223161).

SCAQMD Rule 1133.3, Attachment A.

Attachment 1
SCS Site Specific Health and Safety Plan