BEFORE THE HEARING BOARD OF THE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

In The Matter Of

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT,

Petitioner,

vs.

CHIQUITA CANYON, LLC a Delaware Corporation,
[Facility ID No. 119219]

Respondent.

Case No. 6177-4

EXHIBIT C TO DECLARATION OF PATRICK SULLIVAN, BCES, CPP, REPA

Health and Safety Code § 41700, and District Rules 402, 431.1, 3002, 203, 1150

Hearing Date:	October 29 and November 12, 2025
Hearing Time:	9:30 A.M.
Place:	Hearing Board South Coast Air Quality Management District, 21865 Copley Drive Diamond Bar, CA 91765

Chiquita Canyon Landfill
Castaic, California

Assessment of Air Emissions from Landfill Surfaces



Test Event 5

Report

September 2025

Prepared by

Thomas R. Card
Environmental Management Consulting
41125 278th Way SE, Enumclaw, WA 98022 USA
360-802-5540 trcard@EnvManCon.com

Charles E. Schmidt, PhD
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 schmidtce@aol.com

Patrick S. Sullivan, REPA, CPP, BCES
SCS ENGINEERS
Environmental Consultants and Contractors
3117 Fite Circle, Suite 108, Sacramento, CA 95827
(916) 361-1297, Ex. 4426 psullivan@scsengineers.com

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1. Data Validation Technical Memorandum
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1. Introduction

Background

The Chiquita Canyon Landfill (CCLF or Landfill) is a municipal solid waste (MSW) landfill located in northern Los Angeles County. An area of the Landfill has experienced elevated gas temperatures and surface subsidence, with accompanying elevated gas generation, due to a subsurface reaction. This report is intended to provide an air emissions assessment (Test Event #5) to determine landfill surface air emissions for both the area of the Landfill affected by the reaction and areas not affected by the reaction. The prior test events at the Landfill were conducted on:

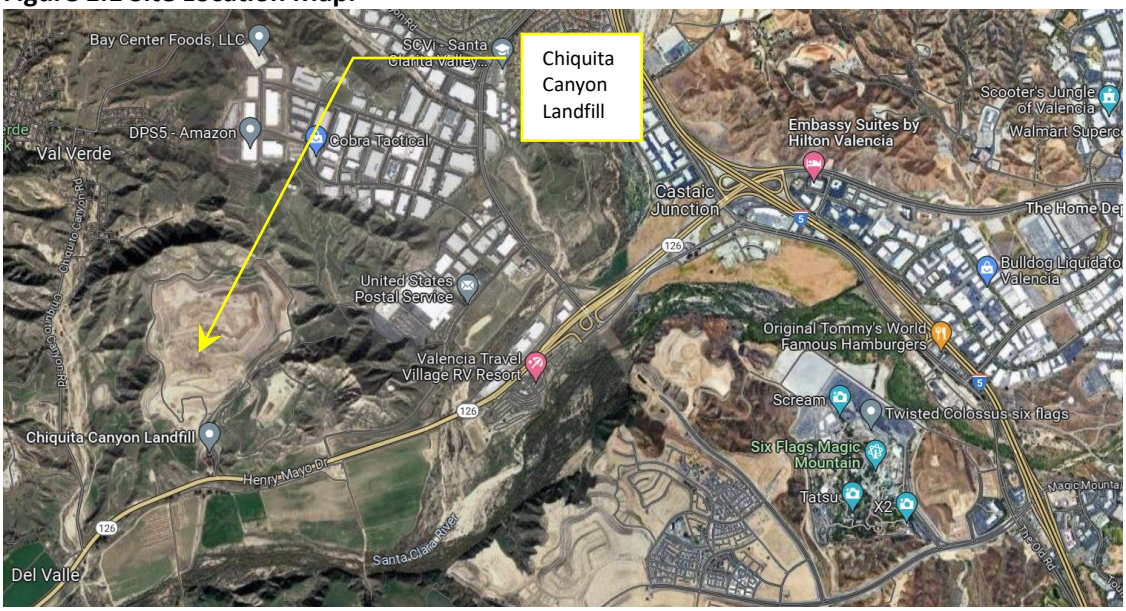
1. August 29-31, 2023
2. March 19-21, 2024
3. November 19-21, 2024
4. March 19-21, 2025

The Fifth Test Event, which is described in this report, was conducted on July 15-23, 2025.

Site Location

The test site is Chiquita Canyon Landfill, which is located at 29201 Henry Mayo Drive, Castaic, California, 91384.

Figure 1.1 Site Location Map.



Facility Description

Since the time of the Fourth Test Event, Chiquita Canyon Landfill has been an inactive MSW disposal facility and has not been receiving waste.

Objective

The objective of this emissions assessment was to quantify, by field measurement, the air emissions of fixed gases (including methane, carbon dioxide, and carbon monoxide), reduced sulfur compounds, and

speciated volatile organic compounds (VOCs) from the area of the Landfill affected by the reaction and areas not affected by the reaction.

Methodology

The Landfill's air emissions were directly measured using the U.S. Environmental Protection Agency (USEPA) Surface Emission Isolation Flux Chamber (flux chamber) following the USEPA User's Guidance document (see Photo 1.1). Whole air samples were collected from the flux chamber using Summa® canister and Tedlar® bags with analysis by the following methods:

- ASTM D-1945/USEPA Method 3C for fixed gases (including methane, carbon dioxide, and carbon monoxide);
- USEPA Method TO-15 (MS) for 1-1-Difluoroethane (1,1-DFA, trace gas added for advective flow determination);
- South Coast Air Quality Management District (SCAQMD) Method 307-91 for hydrogen sulfide (H_2S)/organic reduced sulfur (ORS);
- USEPA Method TO-14 (GC/FID) for speciated VOCs;
- USEPA Method TO-15 (GC/MS) for speciated VOCs (including tentatively identified compounds); and
- USEPA Method TO-12 for total VOC (total non-methane hydrocarbon (TNMHC)) 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 was expected that the landfill surface would have an advective flow at some or many locations, the flux chamber assessment included the use of a tracer (1-1-Difluoroethane (1,1-DFA), analyzed per USEPA Method TO-15) 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 was used to calculate total flow in the flux chamber for the emissions assessment. Note that

Photo 1.1 USEPA Flux Chamber Used in Testing Program.



TO-12, TO-14, TO-15, USEPA Method 3C, and USEPA Method 3C samples were collected and analyzed from the same sample canister.

Landfill Surface Nomenclature

For the purposes of this test, the Landfill surface was divided into the following areas:

Non-Reaction Area

This is the portion of the Landfill that is not affected by the landfill reaction and that did not exceed the SCAQMD Rule 1150.1 integrated data limit of 25 parts per million by volume (ppmv) on June 23-27, 2025, the dates of the site-wide SEM event whose data was used to select the test cells.

Reaction Area

This is the portion of the Landfill designated as being affected by the landfill reaction by SCS Engineers' (SCS) staff, and that did not exceed the SCAQMD Rule 1150.1 integrated data limit on June 23-27, 2025 (See Appendix 1 for the delineation of the Reaction Area used for this report).

Membrane Area

This is a subset of the Reaction Area that is covered with a HDPE membrane per Photo 1.2.

Photo 1.2 Flux Chamber on Membrane Covering Portion of Landfill.



Membrane/Soil Cover Interface Area

These are the SEM Grid Cells that have partial soil cover and partial HDPE membrane cover.

Exceedance Area

This is the portion of the Landfill that was designated as being affected by the landfill reaction and that exceeded the SCAQMD Rule 1150.1 integrated data limit on June 23-27, 2025. This portion of the Landfill was considered separately to assess any impact of the grid cells that exceeded the Rule 1150.1 integrated data criteria would have on total site surface emissions. Note that these grid cells are subject to a strict remediation schedule, so elevated emissions from these cells would be a temporary phenomenon.

2. Sampling Scope

This study was focused 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 was tested using the flux chamber technology. Flux chamber measurement data performed at representative locations within grid cells was used to estimate the following constituents from the Landfill: VOCs-, sulfur compound-, toxic air contaminant (TAC)-, and fixed gas- emissions.

The completed scope of work for the emissions assessment is given below in Table 2.1.

Table 2.1 Scope of Work for the Air Emissions Assessment.

	Scope		
Source Category	**Source SubCategory**	**Source Level**	**Number of Sample Sets**
Non-Reaction Area		High	4
		Med	4
		Med	4
		Low	4
Reaction Area	Soil Cover	High	4
		Med	4
		Med	4
		Low	4
	Polymer Membrane	High	4
		Low	4
	Membrane/Soil Interface	High	4
		Med	4
		Med	4
		Low	4
	Exceedance		4
Total Sample Locations			**60**
QA/QC			12
Total Sample Set Count			72

3. Sampling Strategy

Selection of Sampling Locations

Sampling locations were 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). The landfill grid pattern is shown in Figure 3.1. The grid cells over the areas of the Landfill affected by the reaction are highlighted. The grid cells that were sampled are enclosed in a geometric figure.

Test Cell Selection Methodology

This emissions assessment was conducted by analyzing 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 3.2.

Emissions concentration data and location information are collected and stored for the purpose of ranking grid cells on the Landfill by emissions concentration. The integrated concentration data was used to 'rank' the grid cells into categories of high emissions, medium emissions, and low emissions. The instantaneous fugitive concentration data was used to select representative locations for flux chamber testing where flux data for VOCs, sulfur, and toxic air contaminants was collected. The flux from these representative locations was used to estimate air emissions from the entire surface of these cells.

Figure 3.1 Chiquita Canyon Landfill Test Grid Cells.

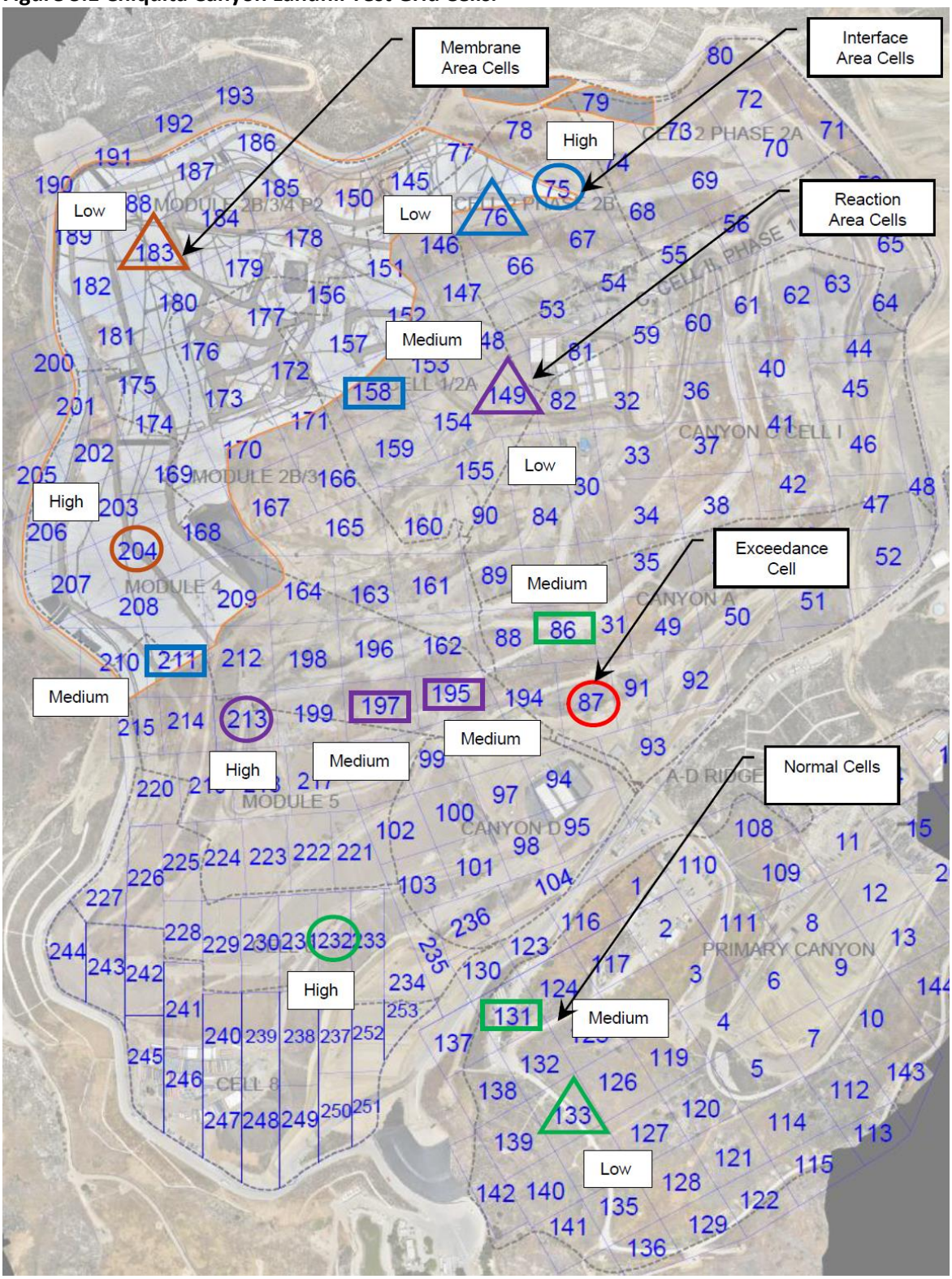
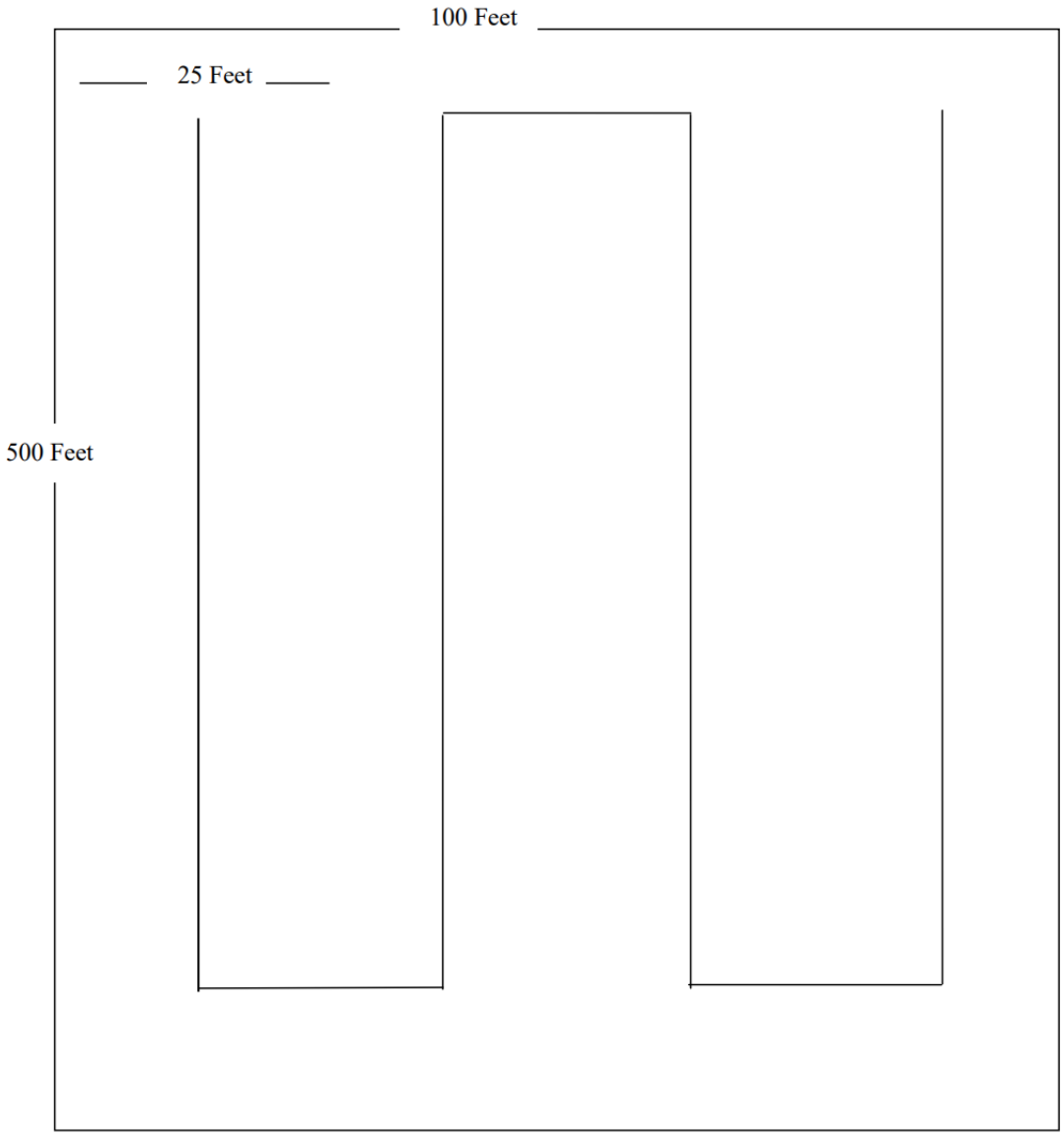


Figure 3.2 Typical Serpentine Landfill Walk Pattern for a 50,000 Square Foot Grid (from Rule 1150.1).



High Resolution and Legacy Data Analysis Methodology

The sampling scope for this test event was almost double (15 grid cells tested for this event vs. 9 grid cells for previous events) that of the previous events. In order to assess the value of this increase in scope for this test event, the SEM data/Grid Cell data was evaluated using two different methodologies.

The primary analysis method for this report was based on using all the test data gathered during the July 2025 test event and is designated as the "High Resolution Analysis" Method. The "High Resolution Analysis" Method incorporates additional sampling in specific areas of interest at the landfill that had unknown emissions characteristics, such as the Interface Area where Grid Cells have partial soil cover and partial HDPE membrane cover. By including sampling in these locations (in addition to the typical location types from prior testing events), the "High Resolution Analysis" Method was used to determine whether the additional locations had any impact on overall landfill emissions estimates.

In addition, a subset of the July 2025 test data was analyzed emulating the historical data analysis approach, and is designated as the "Legacy Analysis" Method. The "Legacy Analysis" Method relies on a standard grid of sampling points distributed evenly across the landfill surface to provide a general estimate of landfill emissions.

The results of both the "High Resolution Analysis" and "Legacy Analysis" methods are compared near the end of this report. In short, there was not a meaningful difference in estimated landfill emissions based on either method. However, note that all results in this report are based on the "High Resolution Analysis" method, using all the data gathered in this test event, unless otherwise noted.

SEM Data Tables

Tables 3.1 through 3.3 show the sorted integrated SEM data for the non-reaction area cells during the period of June 23-27, 2025. Table 3.4 shows the sorted integrated SEM data for the reaction area cells during the period of June 23-27, 2025. Table 3.5 shows the sorted integrated SEM data for the membrane area cells during the period of June 23-27, 2025. Table 3.6 shows the sorted integrated SEM data for the membrane/soil cover interface area cells during the period of June 23-27, 2025. Table 3.7 shows the sorted integrated SEM data for the exceedance area cells during the period of June 23-27, 2025. Table 3.8 shows the sorted integrated SEM data for the legacy data analysis reaction area cells during the period of June 23-27, 2025. The row of the actual cell tested on each table is highlighted in yellow.

The structure of Tables 3.1 through 3.8 is as follows:

- Column 1: grid cell number designation.
- Column 2: 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 is used).
- Columns 3: integrated SEM values (FID response as ppmv methane) for the SEM event from June 23-27 2025.
- Column 4: cumulative average of all the grid cells above the grid cell in question.
- Column 5: percentage-of-total of grid cell in the grid cell grouping.
    - Targets are: 16.7% for the high group (this is the midpoint of the top 33% of the emissions that the high group represents), 50% for the medium group, and 83.3% for the low group.

Table 3.1 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); High Emission Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated. Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
240	48,923	24.95	24.95	1%
41	58,579	24.88	49.83	3%
226	48,737	24.1	73.93	4%
219	49,910	24	97.93	6%
230	49,427	23.65	121.58	7%
58	46,507	23.3	144.88	8%
55	58,851	23.19	168.07	10%
31	55,775	22.57	190.64	11%
32	55,304	22.4	213.04	12%
67	47,130	22.05	235.09	14%
50	61,680	21.55	256.64	15%
232	49,006	21.31	277.95	16%
46	57,683	21.09	299.04	17%
74	50,957	20.94	319.98	19%
224	47,895	20.6	340.58	20%
59	53,384	20.55	361.13	21%
220	49,909	20.24	381.37	22%
218	52,805	20.17	401.54	23%
68	47,853	20.12	421.66	25%
227	45,403	19.75	441.41	26%
93	88,479	19.43	460.84	27%
73	55,815	19.4	480.24	28%
70	55,632	19.25	499.49	29%
223	48,150	19.12	518.61	30%
62	60,736	18.64	537.25	31%
130	34,533	18.03	555.28	32%
71	43,736	18.01	573.29	33%

Note: This test grid cell was used for both the High Resolution and Legacy data analysis methods. The row of the actual cell tested in this table (Grid Cell ID Number 232) is highlighted in yellow.

Table 3.2 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); Medium Emission Cells.

Grid	Surface Area (ft2)	Int. Fid Value (ppmv)	Cumulative	Fraction of Total
124	43,289	17.82	591.11	34%
95	49,782	17.23	608.34	35%
228	32,278	17.23	625.57	36%
45	58,267	17.19	642.76	37%
44	35,715	17.13	659.89	38%
48	55,467	16.91	676.8	39%
49	55,750	16.8	693.6	40%
60	58,550	16.72	710.32	41%
63	57,567	16.52	726.84	42%
56	61,386	16.51	743.35	43%
137	45,071	16.5	759.85	44%
40	56,878	16.34	776.19	45%
64	51,169	16.23	792.42	46%
65	58,090	16.17	808.59	47%
123	37,280	15.91	824.5	48%
248	42,748	15.87	840.37	49%
131	41,070	15.85	856.22	50%
86	43,299	15.67	871.89	51%
81	48,343	15.53	887.42	52%
38	60,634	15.36	902.78	53%
246	49,934	15.24	918.02	53%
34	55,632	14.53	932.55	54%
229	49,011	14.22	946.77	55%
61	58,640	13.95	960.72	56%
135	43,154	13.89	974.61	57%
30	53,460	13.62	988.23	58%
103	44,432	13.5	1001.73	58%
237	30,995	13.45	1015.18	59%
97	42,564	13.36	1028.54	60%
42	57,899	13.22	1041.76	61%
43	55,491	12.73	1054.49	61%
250	47,494	12.62	1067.11	62%
84	48,990	12.37	1079.48	63%
101	42,395	12.3	1091.78	64%
98	41,663	12.25	1104.03	64%
39	62,100	11.73	1115.76	65%
53	60,197	11.68	1127.44	66%

Note: These test grid cells were used for both the High Resolution and Legacy data analysis methods. The row of the actual cells tested in this table (Grid Cell ID Numbers 131 and 86) are highlighted in yellow.

Table 3.3 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); Low Emission Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated. Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
85	45,482	11.35	1138.79	66%
245	39,969	11.28	1150.07	67%
233	49,820	11.2	1161.27	68%
249	52,520	11.17	1172.44	68%
25	58,414	10.96	1183.4	69%
247	50,770	10.67	1194.07	70%
238	31,614	10.53	1204.6	70%
37	57,548	10.44	1215.04	71%
24	55,473	10.36	1225.4	71%
119	46,712	10.3	1235.7	72%
36	60,138	10.26	1245.96	73%
47	56,104	10.03	1255.99	73%
100	44,490	10.03	1266.02	74%
28	39,741	9.89	1275.91	74%
221	45,169	9.86	1285.77	75%
20	53,895	9.8	1295.57	75%
11	55,395	9.77	1305.34	76%
19	57,192	9.71	1315.05	77%
104	42,522	9.61	1324.66	77%
35	56,295	9.12	1333.78	78%
12	55,625	9.05	1342.83	78%
105	47,304	9.03	1351.86	79%
17	54,072	9.02	1360.88	79%
16	60,337	8.94	1369.82	80%
18	42,901	8.87	1378.69	80%
117	42,797	8.75	1387.44	81%
111	54,270	8.61	1396.05	81%
26	54,472	8.58	1404.63	82%
116	39,267	8.57	1413.2	82%
133	44,845	8.56	1421.76	83%
136	33,845	8.56	1430.32	83%
66	45,494	8.47	1438.79	84%
108	52,575	8.41	1447.2	84%
110	55,586	8.4	1455.6	85%
118	45,475	8.29	1463.89	85%
1	42,205	8.25	1472.14	86%
14	57,525	8.25	1480.39	86%
15	55,063	8.21	1488.6	87%
2	45,352	8.19	1496.79	87%
109	55,703	8.18	1504.97	88%
23	56,405	8.05	1513.02	88%
106	50,785	7.97	1520.99	89%
22	58,442	7.92	1528.91	89%
134	43,452	7.89	1536.8	90%
107	22,162	7.88	1544.68	90%
102	45,969	7.8	1552.48	90%
3	50,019	7.52	1560	91%
29	43,858	7.52	1567.52	91%
216	50,931	7.45	1574.97	92%
222	47,335	6.74	1581.71	92%
27	59,711	6.7	1588.41	93%
126	48,416	6.23	1594.64	93%
21	72,168	6.2	1600.84	93%
138	46,590	6.1	1606.94	94%
115	52,538	5.8	1612.74	94%
142	46,169	5.63	1618.37	94%
139	46,331	5.6	1623.97	95%
140	42,878	5.58	1629.55	95%
127	48,271	5.55	1635.1	95%
144	68,243	5.5	1640.6	96%
143	48,041	5.43	1646.03	96%
141	41,413	5.39	1651.42	96%
121	46,453	5.3	1656.72	97%
120	46,799	5.29	1662.01	97%
128	48,480	5.29	1667.3	97%
129	46,067	5.27	1672.57	97%
217	53,205	5.23	1677.8	98%
10	66,970	5.2	1683	98%
132	43,711	5.2	1688.2	98%
112	46,549	5.19	1693.39	99%
113	31,853	5.08	1698.47	99%
122	45,247	4.7	1703.17	99%
114	58,149	4.4	1707.57	99%
125	46,593	4.4	1711.97	100%
231	50,572	4.3	1716.27	100%

Note: This test grid cell was used for both the High Resolution and Legacy data analysis methods. The row of the actual cell tested in this table (Grid Cell ID Number 133) is highlighted in yellow.

Table 3.4 Summary of Membrane/Soil Cover Interface Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); All Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
75	51,225	19.75	19.75	13%
165	79,844	13.1	32.85	22%
146	45,166	10.65	43.5	29%
209	60,969	10.58	54.08	36%
158	49,522	10.4	64.48	42%
211	59,725	9.73	74.21	49%
168	59,314	9.6	83.81	55%
164	61,548	9.54	93.35	61%
151	43,622	9.4	102.75	68%
152	42,032	8.3	111.05	73%
76	48,758	8.1	119.15	78%
170	55,737	7.38	126.53	83%
77	99,941	7.3	133.83	88%
167	62,172	6.48	140.31	92%
78	82,334	6.1	146.41	96%
212	58,054	5.4	151.81	100%

Note: These test grid cells were used for the High Resolution data analysis method. The rows of the actual cells tested in this table (Grid Cell ID Numbers 75, 76, 158, and 211) are highlighted in yellow.

Table 3.5 Summary of Membrane Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); All Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated. Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
178	50,014	21.92	21.92	7%
156	47,581	14.6	36.52	11%
157	45,578	13.4	49.92	16%
192	40,754	12.36	62.28	19%
204	54,296	12	74.28	23%
186	46,611	11.67	85.95	27%
191	44,606	11.29	97.24	30%
207	62,754	11.13	108.37	34%
175	50,430	10.4	118.77	37%
190	44,958	10.23	129	40%
193	38,070	10.19	139.19	43%
173	49,960	9.5	148.69	46%
177	47,454	9.45	158.14	49%
176	52,356	9.33	167.47	52%
200	46,964	9.27	176.74	55%
187	47,666	9.2	185.94	58%
210	62,428	9.2	195.14	61%
181	49,379	9.11	204.25	64%
189	49,163	8.51	212.76	66%
172	44,946	8.4	221.16	69%
183	54,617	8.4	229.56	72%
208	70,031	8.4	237.96	74%
182	52,362	8.29	246.25	77%
188	50,699	8.12	254.37	79%
203	51,487	8.11	262.48	82%
169	54,459	8.08	270.56	84%
174	48,344	7.67	278.23	87%
202	45,736	7.41	285.64	89%
205	42,679	6.71	292.35	91%
185	50,993	6.26	298.61	93%
206	61,365	6.17	304.78	95%
179	48,176	5.63	310.41	97%
184	51,245	5.3	315.71	98%
180	51,775	5.06	320.77	100%

Note: These test grid cells were used for the High Resolution data analysis method. The rows of the actual cells tested in this table (Grid Cell ID Numbers 183 and 204) are highlighted in yellow.

Table 3.6 Summary of Reaction Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); All Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated. Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
214	40,386	23.12	23.12	6%
90	53,791	22.6	45.72	13%
213	46,753	21.73	67.45	19%
159	56,972	21.14	88.59	24%
155	44,022	20.4	108.99	30%
199	52,647	20.25	129.24	36%
194	71,501	18.73	147.97	41%
197	56,626	18.35	166.32	46%
195	44,221	17.43	183.75	51%
160	66,546	16.5	200.25	55%
83	38,592	14.7	214.95	59%
215	40,916	14.11	229.06	63%
82	42,779	12.62	241.68	67%
147	45,961	10.95	252.63	70%
148	50,546	10.44	263.07	72%
153	45,864	9.56	272.63	75%
166	56,594	9.32	281.95	78%
154	54,536	8.89	290.84	80%
149	56,413	8.73	299.57	82%
89	47,690	8.6	308.17	85%
88	47,618	8.26	316.43	87%
163	50,009	7.45	323.88	89%
162	60,853	7.03	330.91	91%
96	45,229	6.3	337.21	93%
79	87,028	6.23	343.44	95%
196	52,053	5.94	349.38	96%
198	58,685	4.96	354.34	98%
99	46,820	4.6	358.94	99%
161	60,199	4.3	363.24	100%

Note: These test grid cells were used for the High Resolution data analysis method. The rows of the actual cells tested in this table (Grid Cell ID Numbers 149, 195, 197, and 213) are highlighted in yellow.

Table 3.7 Summary of Exceedance Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); All Cells.

Grid Cell ID Number	Surface Area of Grid Cell (ft2)	Integrated. Fid Value (ppmv)	Cumulative Integrated Value	Fraction of Total
150	70,989	140	140	15%
145	60,197	80.49	220.49	23%
57	58,263	79.7	300.19	32%
80	46,342	68.13	368.32	39%
92	47,660	59.3	427.62	45%
87	58,663	47.75	475.37	50%
243	45,926	43.68	519.05	55%
91	47,895	39.37	558.42	59%
241	49,029	38.95	597.37	63%
244	45,884	38.53	635.9	67%
54	53,298	35.79	671.69	71%
242	45,188	32.31	704	74%
94	57,008	30.45	734.45	77%
239	49,597	30.4	764.85	80%
51	62,750	28.8	793.65	83%
33	50,273	27.6	821.25	86%
52	55,676	27	848.25	89%
201	47,960	26.78	875.03	92%
69	52,221	25.92	900.95	95%
72	59,809	25.36	926.31	97%
225	38,630	25.12	951.43	100%

Note: This test grid cell was used for both the High Resolution and Legacy data analysis methods. The row of the actual cell tested in this table (Grid Cell ID Number 87) is highlighted in yellow.

Table 3.8 Summary of Reaction Area Cell Sorted Integrated Grid Data (June 23-27, 2025) (ppmv FID as methane); All Cells.

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

Note: These test grid cells were used for the Legacy data analysis method. The rows of the actual cells tested in this table (Grid Cell ID Numbers 75, 76, 158, and 204) are highlighted in yellow. These grid cells highlighted in green were tested, but only used for the High Resolution Analysis, not for the Legacy Analysis.

The non-reaction area test cells (see Tables 3.1 through 3.3) were initially selected by organizing the integrated SEM data by average (Column 3) and splitting the resulting data into three categories: high emission, medium emission, and low emission. From there, the mean cell(s) from each group were initially selected for testing. These cells are highlighted in yellow in Tables 3.1 to 3.8 above.

A similar process was used for the reaction area test cells (see Table 3.4). One grid cell was selected to be tested from the exceedance area. The non-exceedance reaction area test cells were initially selected by splitting the data into high, medium, and low emission groups. The mean cell(s) from each group were initially selected for testing. On Monday, July 14, 2025, the Landfill was evaluated for the final cell selection. This final selection process was necessary to verify whether a selected cell was accessible for testing or is otherwise not representative. For this test event, all the initially selected cells were suitable for testing. Note that while any cell can be tested and pro-rated using this methodology, the mean emissions cells were used because they should result in the most accurate results.

Selecting Test Points in a Cell

Using survey flags, the serpentine route prescribed by Rule 1150.1 was walked in a cell and flame ionization detector (FID) readings were periodically noted on the planted flags and field screening data forms provided in Appendix 2.

Flux chamber samples were taken at the following target locations:

1. Highest Emission - Peak FID reading on serpentine walk.
2. High Emission - Mid-point of 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.

Table 3.6 shows the selected test grid cells along with their area metrics.

Table 3.9 Selected Test Grid Cell Area Metrics. High Resolution Data Analysis.

		Rep	Area Rep	
Category	**Subset**	**Cell**	**(ft2)**	**(m2)**
Exceedance Area		87	1,103,258	102,496
Reaction Area	High	213	241,924	22,475
Reaction Area	Med	197	371,049	34,472
Reaction Area	Med	195		
Reaction Area	Low	149	908,877	84,437
Membrane	High	204	623,066	57,885
Membrane	Low	183	1,086,870	100,974
Interface	High	75	176,235	16,373
Interface	Med	158	229,530	21,324
Interface	Med	211		
Interface	Low	76	554,198	51,487
Non-Reaction Area	High	232	1,422,799	132,182
Non-Reaction Area	Med	131	1,836,684	170,634
Non-Reaction Area	Med	86		
Non-Reaction Area	Low	133	3,704,751	344,183
Non SEM Area			646,053	60,020
Total			**12,905,294**	**1,198,941**

Table 3.10 Selected Test Grid Cell Area Metrics. Legacy Data Analysis.

		Rep	Area Rep	
Category	**Subset**	**Cell**	**(ft2)**	**(m2)**
Exceedance Area		87	1,103,258	102,496
Reaction Area	High	75	720,877	66,972
Reaction Area	Med	204	1,320,197	122,650
Reaction Area	Med	158		
Reaction Area	Low	76	2,150,675	199,804
Non-Reaction Area	High	232	1,422,799	132,182
Non-Reaction Area	Med	131	1,836,684	170,634
Non-Reaction Area	Med	86		
Non-Reaction Area	Low	133	3,704,751	344,183
Non SEM Area			646,053	60,020
Total			12,905,294	1,198,941

Note: The area represented by the three sets of control cells (Reaction Area Medium, Non-Reaction Area High, and Non-reaction Area Medium) is the same for each set of two control cells.

4. Sampling Results

All sampling for the Fifth Test Event took place on July 15-23, 2025. Table 4.1 presents the sampling data for the key compounds: methane and VOCs (TNMHC). Complete data with quality assurance/quality control (QA/QC) commentary and calculations are provided in Attachment 1 (**Data Validation Technical Memorandum** (DVTM)). Location 1 represents the low emission grid measurement, location 2 represents the medium emission grid measurement, location 3 represents the medium emission grid measurement, and location 4 represents the highest grid measurement.

Table 4.2 shows the calculated flux for the TO-15 compounds that were detected at least once in the data set. Non-detects were assumed to be MDL/2. Tables 4.3 and 4.4 show the results for TO-14 and ORS (SCAQMD Method 307-91) respectively. The complete list of all target compounds is provided in the DVTM. Tentatively identified compound (TIC) concentrations are shown in the lab reports provided in Appendix C of Attachment 2.

Table 4.1 Summary of Sampling Results.

Test Site	LOC.	TO-15	SRS	Methane	Carbon Dioxide	Hydrogen	TO-12 TNMHC C1		1,1-DFA	Total Flow	Total Flow	Methane Flux		Carbon Dioxide Flux		TNMHC Flux	
		ID	ID a,b	(ppmv)	(ppmv)	(ppmv)	(ppbv)		(ppbv)	(lpm)	(m3/min)	mg/m2,min		mg/m2,min		mg/m2,min	
Grid Cell #87	1	T-101	S-101	4.58	1,317	ND	ND	U	89.2	11.7	0.0117	0.265		210		0.0013	U
Grid Cell #87	2	T-102	S-102	2.38	1,183	ND	48.6	J	142	7.32	0.00732	0.087		118		0.0018	J
Grid Cell #87	3	T-103	S-103	46.45	455	ND	ND	U	106	9.81	0.00981	2.297		62		0.0011	U
Grid Cell #87	4	T-104	S-104	3443	2,707	ND	687		168	6.19	0.00619	109.604		237		0.0219	
Grid Cell #75	1	T-105	S-105	ND	839	ND	60.19	J	185	5.62	0.00562	0.011	ND	64		0.0017	J
Grid Cell #75	2	T-106	S-106	ND	794	ND	ND	U	167	6.23	0.00623	0.012	ND	66		0.0007	U
Grid Cell #75	3	T-107	S-107	1.62	951	ND	137.1		125	8.32	0.00832	0.065		105		0.0055	
Grid Cell #75	4	T-108	S-108	52	1,189	ND	134.8	J	51.8	20.1	0.0201	4.983		314		0.0130	J
Grid Cell #76	1	T-109	S-109	ND	ND	ND	48.5	J	165	6.30	0.00630	0.012	ND	6		0.0015	J
Grid Cell #76	2	T-110	S-110	ND	395	ND	62.7	J	188	5.53	0.00553	0.010	ND	29		0.0017	J
Grid Cell #76	3	T-111	S-111	2.34	798	ND	52.67	J	27.1	38.4	0.0384	0.424		397		0.0095	J
Grid Cell #76	4	T-112	S-112	225.90	1,920	ND	174		145	7.17	0.00717	7.812		183		0.0060	
Grid Cell #76	4	T-113	S-113	200.53	995	ND	171		165	6.30	0.00630	6.078		83		0.0052	
Media Blank	NA	S-114	S-114	ND	ND	ND	ND	U	191	5.45	0.00545	0.011	ND	6		0.0006	U
Grid Cell #211	1	T-201	S-201	ND	1,022	ND	70.9	J	171	6.08	0.00608	0.011	ND	87		0.0022	J
Grid Cell #211	2	T-202	S-202	9.40	964	ND	74.2	J	156	6.67	0.00667	0.320		90		0.0025	J
Grid Cell #211	3	T-203	S-203	ND	ND	ND	58.2	J	204	5.10	0.00510	0.009	ND	5		0.0015	J
Grid Cell #211	4	T-204	S-204	ND	ND	ND	57.12	J	150	6.93	0.00693	0.013	ND	7		0.0020	J
Grid Cell #204	1	T-205	S-205	ND	ND	ND	93.2	J	185	5.62	0.00562	0.010	ND	6		0.0026	J
Grid Cell #204	2	T-206	S-206	ND	ND	ND	54.23	J	119	8.74	0.00874	0.016	ND	9		0.0023	J
Grid Cell #204	3	T-207	S-207	ND	ND	ND	126.5	J	181	5.75	0.00575	0.011	ND	6		0.0036	J
Grid Cell #204	4	T-208	S-208	ND	ND	ND	ND	U	183	5.68	0.00568	0.011	ND	6		0.0006	U
Grid Cell #183	1	T-209	S-209	ND	ND	ND	222		188	5.53	0.00553	0.010	ND	6		0.0060	
Grid Cell #183	2	T-210	S-210	ND	ND	ND	77.7	J	169	6.15	0.00615	0.011	ND	6		0.0023	J
Grid Cell #183	3	T-211	S-211	ND	ND	ND	107.1	J	181	5.75	0.00575	0.011	ND	6		0.0030	J
Grid Cell #183	4	T-212	S-212	ND	ND	ND	116.8	J	195	5.33	0.00533	0.010	ND	5		0.0030	J
Grid Cell #183	4	T-213	S-213	ND	ND	ND	81.5	J	173	6.01	0.00601	0.011	ND	6		0.0024	J
Media Blank	NA	T-214	S-214	ND	ND	ND	ND	U	175	5.94	0.00594	0.011	ND	6		0.0007	J
Grid Cell #213	1	T-301	S-301	1.38	1,247	ND	363.57		111	9.37	0.00937	0.066		163		0.0173	
Grid Cell #213	2	T-302	S-302	87.40	1,018	ND	374.88		205	5.07	0.00507	2.304		74		0.0099	
Grid Cell #213	3	T-303	S-303	1.30	998	ND	ND	U	186	5.59	0.00559	0.037		78		0.0006	U
Grid Cell #213	4	T-304	S-304	0.72	832	ND	135.82		162	6.42	0.00642	0.023		75		0.0044	
Grid Cell #197	1	T-305	S-305	1.59	1,485	ND	639.77		97.6	10.7	0.0107	0.079		204		0.0320	
Grid Cell #197	2	T-306	S-306	338.87	1,066	ND	518.88		46.5	22.4	0.0224	36.109		312		0.0553	
Grid Cell #197	3	T-307	S-307	234	1,392	ND	517		130	8.00	0.00800	8.898		145		0.0196	
Grid Cell #197	4	T-308	S-308	10.76	981	ND	50.8	J	126	8.25	0.00825	0.429		107		0.0020	J
Grid Cell #195	1	T-309	S-309	0.87	786	ND	175		181	5.75	0.00575	0.023		58		0.0047	
Grid Cell #195	2	T-310	S-310	1.36	1,373	ND	130.4	J	140	7.43	0.00743	0.045		126		0.0043	J
Grid Cell #195	3	T-311	S-311	1.47	852	ND	73.04	J	124	8.39	0.00839	0.057		91		0.0028	J
Grid Cell #195	4	T-312	S-312	ND	837	ND	5,885		161	6.46	0.00646	0.011	ND	69		0.1766	
Grid Cell #195	4	T-313	S-313	ND	940	ND	131.7	J	203	5.12	0.00512	0.009	ND	62		0.0031	J
Media Blank	NA	T-314	S-314	ND	ND	ND	ND	U	195	5.33	0.00533	0.010	ND	6		0.0006	U
Grid Cell #158	1	T-401	S-401	1.77	588	ND	128.41	J	120	8.67	0.00867	0.077		71		0.0056	J
Grid Cell #158	2	T-402	S-402	3.32	644	ND	84.29	J	141	7.38	0.00738	0.125		66		0.0032	J
Grid Cell #158	3	T-403	S-403	ND	353	ND	ND	U	196	5.31	0.00531	0.010	ND	26		0.0006	U
Grid Cell #158	4	T-404	S-404	2.59	586	ND	ND	U	94.0	11.1	0.0111	0.144		90		0.0013	U
Grid Cell #149	1	T-405	S-405	ND	362	ND	89.47	J	179	5.81	0.00581	0.011	ND	28		0.0025	J
Grid Cell #149	2	T-406	S-406	1.01	480	ND	ND	U	144	7.22	0.00722	0.036		47		0.0008	U
Grid Cell #149	3	T-407	S-407	6.78	351	ND	74.96	J	198	5.25	0.00525	0.176		25		0.0020	J
Grid Cell #149	4	T-408	S-408	275.25	899	ND	119.1	J	171	6.08	0.00608	8.361		75		0.0036	J
Grid Cell #149	4	T-409	S-409	272.97	937	ND	99.72	J	175	5.94	0.00594	8.089		76		0.0030	J
Media Blank	NA	T-410	S-410	ND	ND	ND	ND	U	205	5.07	0.00507	0.008	ND	4		0.0006	J
Grid Cell #131	1	T-501	S-501	ND	165	ND	89.66	J	183	5.68	0.00568	0.010	ND	13		0.0026	J
Grid Cell #131	2	T-502	S-502	ND	333	ND	74.18	J	171	6.08	0.00608	0.012	ND	28		0.0023	J
Grid Cell #131	3	T-503	S-503	ND	155	ND	ND	U	185	5.62	0.00562	0.010	ND	12		0.0006	U
Grid Cell #131	4	T-504	S-504	ND	522	ND	ND	U	166	6.27	0.00627	0.012	ND	46		0.0007	U
Grid Cell #133	1	T-505	S-505	ND	193	ND	ND	U	165	6.30	0.00630	0.011	ND	17		0.0007	U
Grid Cell #133	2	T-506	S-506	ND	210	ND	ND	U	176	5.91	0.00591	0.011	ND	17		0.0007	U
Grid Cell #133	3	T-507	S-507	ND	254	ND	62.26	J	158	6.58	0.00658	0.012	ND	23		0.0021	J
Grid Cell #133	4	T-508	S-508	ND	258	ND	ND	U	133	7.82	0.00782	0.015	ND	28		0.0009	U
Grid Cell #133	4	T-509	S-509	ND	327	ND	118.17	J	187	5.56	0.00556	0.011	ND	25		0.0033	J
Media Blank	NA	T-510	S-510	ND	ND	ND	ND	U	184	5.65	0.00565	0.011	ND	6		0.0006	J
Grid Cell #86	1	T-601	S-601	1.82	741	ND	59.86	J	159	6.54	0.00654	0.061		69		0.0020	J
Grid Cell #86	2	T-602	S-602	1.65	1,031	ND	148.94		170	6.12	0.00612	0.052		89		0.0047	
Grid Cell #86	3	T-603	S-603	1.39	1,055	ND	314.16		136	7.65	0.00765	0.054		114		0.0123	
Grid Cell #86	4	T-604	S-604	1.5	988	ND	ND	U	186	5.59	0.00559	0.043		78		0.0006	U
Grid Cel #232	1	T-605	S-605	1.57	820	ND	150.89		88.0	11.8	0.0118	0.091		131		0.0088	
Grid Cel #232	2	T-606	S-606	1.71	1,017	ND	45.98	J	169	6.15	0.00615	0.053		86		0.0014	J
Grid Cel #232	3	T-607	S-607	185.09	1,271	ND	328.97		94.8	11.0	0.0110	9.886		187		0.0176	
Grid Cel #232	4	T-608	S-608	348.71	1,295	ND	268.18		77.6	13.4	0.0134	23.377		239		0.0180	
Grid Cel #232	4	T-609	S-609	213.26	1,405	ND	266.55		84.4	12.3	0.0123	13.140		238		0.0164	
Media Blank	NA	T-610	S-610	ND	ND	ND	ND	U	183	5.68	0.00568	0.000	ND	7		0.0006	J

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

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

Sample Number	Compound	Acetone	2-Butanone (MEK)	Methanol	Ethanol	Isopropyltoluene	Decane	Ethyl acetate	Tetrahydrofuran	Nonane	Propylene	m,p-Xylenes	Acrolein	Benzene	o-Xylene	Toluene
	CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3
	MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1
T-101		0.00208	0.00018	0.00127	0.00091	<1.63E-04	<1.73E-04	<5.26E-05	<2.22E-05	<7.66E-05	<2.51E-05	<6.34E-05	0.00025	<1.65E-04	<6.34E-05	<1.12E-04
T-102		0.00121	0.00011	0.00085	0.00035	<1.02E-04	<1.09E-04	<3.31E-05	<1.40E-05	<4.82E-05	<1.58E-05	<3.99E-05	<2.11E-05	<1.04E-04	<3.99E-05	<7.02E-05
T-103		0.00109	0.00015	0.00144	0.00033	<1.39E-04	<1.47E-04	<4.49E-05	<1.89E-05	<6.54E-05	<2.15E-05	<5.42E-05	<2.86E-05	<1.41E-04	<5.42E-05	<9.54E-05
T-104		0.00196	0.00015	0.00013	<7.66E-05	0.00305	0.00061	<2.89E-05	0.00020	0.00049	0.00198	0.00134	<1.84E-05	0.00029	0.00071	0.00101
T-105		0.00032	<2.05E-05	0.00011	<6.62E-05	<7.74E-05	<8.20E-05	<2.50E-05	<1.05E-05	<3.64E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.86E-05	<3.01E-05	<5.31E-05
T-106		0.00039	<2.25E-05	0.00014	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	<1.32E-05	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05
T-107		<1.21E-04	<2.98E-05	0.00147	<9.63E-05	<1.12E-04	<1.19E-04	<3.64E-05	<1.53E-05	<5.29E-05	<1.74E-05	<4.38E-05	<2.31E-05	<1.14E-04	<4.38E-05	<7.72E-05
T-108		0.00227	0.00036	0.00165	0.00329	<2.70E-04	<2.86E-04	<8.73E-05	<3.68E-05	<1.27E-04	<4.17E-05	<1.05E-04	0.00040	<2.74E-04	<1.05E-04	<1.85E-04
T-109		<9.08E-05	<2.23E-05	<5.00E-05	<7.20E-05	<8.41E-05	<8.92E-05	<2.72E-05	<1.15E-05	<3.96E-05	<1.30E-05	<3.28E-05	<1.73E-05	<8.55E-05	<3.28E-05	<5.77E-05
T-110		<8.19E-05	<2.01E-05	<4.51E-05	<6.50E-05	<7.59E-05	<8.04E-05	<2.45E-05	<1.03E-05	<3.57E-05	<1.17E-05	<2.96E-05	<1.56E-05	<7.71E-05	<2.96E-05	<5.21E-05
T-111		0.00122	<1.35E-04	0.00171	<4.35E-04	<5.09E-04	<5.39E-04	<1.64E-04	<6.93E-05	<2.39E-04	<7.85E-05	<1.98E-04	<1.05E-04	<5.17E-04	<1.98E-04	<3.49E-04
T-112		0.00058	0.00010	0.00018	<8.32E-05	<9.72E-05	<1.03E-04	<3.14E-05	<1.32E-05	<4.58E-05	0.00044	<3.79E-05	<2.00E-05	<9.87E-05	<3.79E-05	<6.67E-05
T-113		0.00056	0.00010	0.00017	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	0.00042	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05
T-114		<8.32E-05	<2.04E-05	<4.58E-05	<6.60E-05	<7.71E-05	<8.18E-05	<2.49E-05	<1.05E-05	<3.63E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.84E-05	<3.01E-05	<5.29E-05
T-201		0.00036	<2.31E-05	<5.19E-05	<7.47E-05	<8.72E-05	<9.25E-05	<2.82E-05	<1.19E-05	<4.11E-05	<1.35E-05	<3.40E-05	<1.80E-05	<8.87E-05	<3.40E-05	<5.99E-05
T-202		0.00067	0.00008	0.00038	<8.20E-05	<9.58E-05	<1.02E-04	<3.10E-05	<1.31E-05	<4.51E-05	<1.48E-05	<3.73E-05	<1.97E-05	<9.73E-05	<3.73E-05	<6.57E-05
T-203		0.00018	<1.94E-05	<4.36E-05	<6.29E-05	<7.34E-05	<7.79E-05	<2.37E-05	<1.00E-05	<3.46E-05	<1.13E-05	<2.86E-05	<1.51E-05	0.00019	<2.86E-05	<5.04E-05
T-204		<1.09E-04	<2.66E-05	<5.98E-05	<8.61E-05	<1.01E-04	<1.07E-04	<3.25E-05	<1.37E-05	<4.73E-05	<1.55E-05	<3.92E-05	<2.07E-05	<1.02E-04	<3.92E-05	<6.90E-05
T-205		<8.51E-05	<2.09E-05	<4.69E-05	<6.75E-05	<7.89E-05	<8.36E-05	<2.55E-05	<1.08E-05	<3.71E-05	<1.22E-05	0.00011	<1.62E-05	<8.02E-05	<3.07E-05	<5.41E-05
T-206		0.00035	<3.22E-05	<7.23E-05	<1.04E-04	<1.22E-04	<1.29E-04	<3.93E-05	<1.66E-05	<5.73E-05	<1.88E-05	<4.74E-05	<2.50E-05	<1.24E-04	<4.74E-05	<8.35E-05
T-207		<8.56E-05	<2.10E-05	<4.71E-05	<6.79E-05	0.00066	<8.41E-05	<2.56E-05	<1.08E-05	<3.73E-05	0.00008	0.00022	<1.63E-05	0.00032	0.00008	0.00017
T-208		<8.68E-05	<2.13E-05	<4.78E-05	<6.89E-05	<8.04E-05	<8.53E-05	<2.60E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.18E-05	<3.14E-05	<5.52E-05
T-209		<8.23E-05	<2.02E-05	<4.53E-05	<6.53E-05	0.00039	<8.08E-05	<2.47E-05	<1.04E-05	<3.59E-05	<1.18E-05	0.00017	<1.57E-05	0.00057	0.00008	0.00013
T-210		<9.14E-05	<2.24E-05	<5.04E-05	<7.26E-05	<8.47E-05	<8.99E-05	<2.74E-05	<1.16E-05	<3.99E-05	0.00005	<3.30E-05	<1.74E-05	<8.61E-05	<3.30E-05	<5.82E-05
T-211		0.00019	<2.10E-05	<4.72E-05	<6.79E-05	<7.93E-05	<8.41E-05	<2.57E-05	<1.08E-05	<3.74E-05	0.00005	0.00009	<1.63E-05	0.00018	<3.09E-05	<5.45E-05
T-212		<7.89E-05	<1.94E-05	<4.35E-05	<6.26E-05	0.00027	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00005	0.00012	<1.51E-05	0.00035	<2.85E-05	0.00012
T-213		<8.86E-05	<2.17E-05	<4.88E-05	<7.03E-05	0.00033	<8.71E-05	<2.66E-05	<1.12E-05	<3.87E-05	0.00004	0.00015	<1.69E-05	0.00040	<3.20E-05	<5.64E-05
T-214		<9.12E-05	<2.24E-05	<5.02E-05	0.00017	<8.45E-05	<8.96E-05	<2.73E-05	<1.15E-05	<3.98E-05	<1.30E-05	<3.29E-05	<1.74E-05	<8.58E-05	<3.29E-05	<5.80E-05
T-301		0.00218	0.00143	0.00086	0.00028	0.00100	<1.42E-04	0.00072	<1.83E-05	<6.31E-05	0.00008	<5.22E-05	<2.76E-05	<1.36E-04	<5.22E-05	<9.19E-05
T-302		0.00054	<1.96E-05	0.00047	<6.34E-05	<7.41E-05	<7.85E-05	<2.40E-05	<1.01E-05	<3.49E-05	0.00012	<2.89E-05	<1.53E-05	<7.53E-05	<2.89E-05	<5.08E-05
T-303		0.00074	<2.12E-05	0.00106	<6.85E-05	<8.01E-05	<8.49E-05	<2.59E-05	<1.09E-05	<3.77E-05	0.00006	<3.12E-05	0.00025	<8.14E-05	<3.12E-05	<5.49E-05
T-304		0.00048	0.00016	0.00019	<7.85E-05	<9.17E-05	<9.72E-05	<2.96E-05	0.00035	<4.32E-05	<1.42E-05	<3.57E-05	<1.89E-05	<9.32E-05	<3.57E-05	<6.29E-05
T-305		0.00511	0.00197	0.00621	0.00045	0.00248	<1.49E-04	<4.54E-05	<1.91E-05	<6.61E-05	0.00012	<5.48E-05	0.00073	<1.43E-04	<5.48E-05	<9.64E-05
T-306		0.01242	<7.92E-05	0.00637	0.00058	<2.99E-04	<3.17E-04	<9.68E-05	<4.08E-05	0.00297	0.00032	0.00430	<6.16E-05	0.00067	0.00207	<2.05E-04
T-307		0.00197	0.00035	0.00218	<9.14E-05	<1.07E-04	<1.13E-04	0.00038	<1.46E-05	<5.03E-05	0.00046	<4.16E-05	0.00042	0.00032	<4.16E-05	<7.33E-05
T-308		<1.21E-04	<2.96E-05	0.00029	0.00022	<1.12E-04	<1.19E-04	<3.62E-05	<1.53E-05	<5.27E-05	0.00011	<4.36E-05	<2.30E-05	<1.14E-04	<4.36E-05	<7.68E-05
T-309		0.00077	<2.00E-05	0.00024	<6.46E-05	<7.55E-05	0.00016	<2.44E-05	<1.03E-05	<3.55E-05	0.00011	<2.94E-05	<1.55E-05	0.00026	<2.94E-05	<5.18E-05
T-310		0.00371	0.00031	0.00741	0.00075	<9.36E-05	<9.93E-05	<3.03E-05	<1.28E-05	<4.41E-05	0.00013	<3.65E-05	0.00084	0.00019	<3.65E-05	<6.43E-05
T-311		0.00226	0.00016	0.00458	0.00040	<1.09E-04	<1.15E-04	<3.52E-05	<1.48E-05	<5.12E-05	0.00015	<4.24E-05	0.00050	0.00039	<4.24E-05	<7.47E-05
T-312		0.12799	0.19675	0.00809	0.05251	0.08890	0.06508	0.03833	0.02606	0.03825	0.00070	0.00835	0.00223	0.00127	0.00426	0.00229
T-313		0.00092	<1.78E-05	0.00029	0.00015	0.00279	0.00036	<2.17E-05	<9.15E-06	0.00008	0.00010	<2.62E-05	0.00012	0.00015	<2.62E-05	<4.60E-05
T-314		<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05
T-401		0.00063	<3.25E-05	<7.30E-05	<1.05E-04	<1.23E-04	<1.30E-04	<3.97E-05	<1.67E-05	<5.78E-05	<1.90E-05	<4.79E-05	<2.53E-05	<1.25E-04	<4.79E-05	<8.43E-05
T-402		0.00048	<2.79E-05	<6.27E-05	<9.03E-05	<1.05E-04	<1.12E-04	<3.41E-05	<1.44E-05	<4.96E-05	<1.63E-05	<4.11E-05	<2.17E-05	<1.07E-04	<4.11E-05	<7.23E-05
T-403		<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05
T-404		<1.69E-04	<4.14E-05	<9.30E-05	<1.34E-04	<1.56E-04	<1.66E-04	<5.06E-05	<2.13E-05	<7.37E-05	<2.42E-05	<6.10E-05	<3.22E-05	<1.59E-04	<6.10E-05	<1.07E-04
T-405		<8.61E-05	<2.11E-05	<4.74E-05	<6.83E-05	<7.98E-05	<8.46E-05	<2.58E-05	<1.09E-05	<3.76E-05	0.00010	<3.11E-05	<1.64E-05	0.00016	<3.11E-05	<5.47E-05
T-406		<1.08E-04	<2.64E-05	<5.93E-05	<8.54E-05	<9.97E-05	<1.06E-04	<3.22E-05	<1.36E-05	<4.69E-05	<1.54E-05	<3.89E-05	<2.05E-05	0.00021	<3.89E-05	<6.84E-05
T-407		0.00058	<1.94E-05	0.00011	<6.26E-05	<7.31E-05	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00009	<2.85E-05	<1.51E-05	<7.43E-05	<2.85E-05	<5.02E-05
T-408		0.00070	<2.26E-05	<5.07E-05	<7.31E-05	<8.53E-05	<9.05E-05	<2.76E-05	<1.16E-05	<4.02E-05	0.00009	<3.33E-05	0.00014	<8.67E-05	<3.33E-05	<5.86E-05
T-409		0.00072	<2.20E-05	<4.95E-05	<7.13E-05	<8.33E-05	<8.83E-05	<2.69E-05	<1.14E-05	<3.92E-05	<1.29E-05	<3.25E-05	0.00013	<8.46E-05	<3.25E-05	<5.71E-05
T-410		<7.78E-05	<1.91E-05	<4.29E-05	<6.17E-05	<7.21E-05	<7.64E-05	<2.33E-05	<9.83E-06	<3.39E-05	<1.11E-05	<2.81E-05	<1.48E-05	<7.33E-05	<2.81E-05	<4.95E-05
T-501		<8.78E-05	<2.15E-05	<4.83E-05	<6.96E-05	<8.13E-05	<8.62E-05	<2.63E-05	<1.11E-05	<3.83E-05	<1.26E-05	<3.17E-05	<1.67E-05	<8.27E-05	<3.17E-05	<5.58E-05
T-502		0.00044	<2.28E-05	0.00012	<7.39E-05	<8.63E-05	<9.15E-05	<2.79E-05	<1.18E-05	<4.06E-05	<1.33E-05	<3.36E-05	<1.78E-05	<8.77E-05	<3.36E-05	<5.92E-05
T-503		0.00041	<2.12E-05	<4.77E-05	<6.87E-05	<8.02E-05	<8.51E-05	<2.59E-05	<1.09E-05	<3.78E-05	<1.24E-05	<3.13E-05	<1.65E-05	0.00024	<3.13E-05	<5.51E-05
T-504		0.00027	<2.38E-05	<5.34E-05	<7.69E-05	<8.98E-05	<9.52E-05	<2.90E-05	<1.22E-05	<4.23E-05	<1.39E-05	<3.50E-05	<1.85E-05	<9.12E-05	<3.50E-05	<6.16E-05
T-505		<9.53E-05	<2.34E-05	<5.25E-05	<7.56E-05	<8.83E-05	<9.36E-05	<2.85E-05	<1.20E-05	<4.16E-05	<1.36E-05	<3.44E-05	<1.82E-05	<8.97E-05	<3.44E-05	<6.06E-05
T-506		<8.94E-05	<2.19E-05	0.00011	<7.09E-05	<8.28E-05	<8.79E-05	<2.68E-05	<1.13E-05	<3.90E-05	<1.28E-05	<3.23E-05	<1.71E-05	<8.42E-05	<3.23E-05	<5.69E-05
T-507		<9.99E-05	0.00010	<5.50E-05	<7.92E-05	<9.25E-05	<9.81E-05	<2.99E-05	<1.26E-05	<4.36E-05	0.00009	<3.61E-05	<1.91E-05	<9.40E-05	<3.61E-05	<6.35E-05
T-508		0.00055	<2.92E-05	<6.55E-05	<9.43E-05	<1.10E-04	<1.17E-04	<3.56E-05	<1.50E-05	<5.19E-05	0.00010	<4.29E-05	<2.27E-05	<1.12E-04	<4.29E-05	<7.56E-05
T-509		0.00022	<2.07E-05	0.00010	<6.70E-05	<7.83E-05	<8.30E-05	<2.53E-05	<1.07E-05	<3.69E-05	0.00009	<3.05E-05	<1.61E-05	<7.95E-05	<3.05E-05	<5.37E-05
T-510		<8.65E-05	<2.12E-05	<4.77E-05	<6.87E-05	<8.02E-05	<8.50E-05	<2.59E-05	<1.09E-05	<3.78E-05	<1.24E-05	<3.13E-05	<1.65E-05	<8.15E-05	<3.13E-05	<5.50E-05
T-601		0.00115	0.00013	0.00156	<8.10E-05	<9.46E-05	<1.00E-04	<3.06E-05	<1.29E-05	<4.46E-05	<1.46E-05	<3.69E-05	0.00014	0.00020	<3.69E-05	<6.49E-05
T-602		0.00157	0.00018	0.00205	<7.56E-05	<8.83E-05	<9.36E-05	<2.85E-05	<1.20E-05	<4.16E-05	0.00011	<3.44E-05	<1.82E-05	<8.97E-05	<3.44E-05	<6.06E-05
T-603		0.00417	0.00126	0.00137	<9.42E-05	0.00051	0.00074	<3.56E-05	<1.50E-05	<5.18E-05	0.00015	<4.29E-05	0.00018	<1.12E-04	<4.29E-05	<7.55E-05
T-604		0.00132	0.00015	0.00104	<6.91E-05	<8.07E-05	<8.55E-05	<2.61E-05	<1.10E-05	<3.80E-05	0.00007	<3.14E-05	0.00011	<8.20E-05	<3.14E-05	<5.54E-05
T-605		0.00228	<4.32E-05	0.00185	<1.40E-04	<1.63E-04	<1.73E-04	<5.28E-05	<2.22E-05	<7.68E-05	0.00027	<6.36E-05	0.00037	0.00055	<6.36E-05	<1.12E-04
T-606		<9.33E-05	<2.29E-05	0.00032	<7.41E-05	<8.65E-05	<9.17E-05	<2.80E-05	<1.18E-05	<4.07E-05	<1.34E-05	<3.37E-05	<1.78E-05	0.00041	<3.37E-05	<5.94E-05
T-607		<1.62E-04	<3.97E-05	0.00232	<1.29E-04	<1.50E-04	<1.59E-04	<4.85E-05	<2.05E-05	<7.07E-05	0.00050	<5.85E-05	<3.09E-05	0.00048	<5.85E-05	<1.03E-04
T-608		0.00228	0.00015	0.00217	0.00042	<1.88E-04	<2.00E-04	<6.09E-05	<2.57E-05	<8.87E-05	0.00032	<7.34E-05	<3.88E-05	0.00049	<7.34E-05	<1.29E-04
T-609		0.00244	0.00019	0.00241	0.00069	<1.73E-04	<1.84E-04	<5.60E-05	<2.36E-05	<8.15E-05	0.00035	<6.75E-05	<3.56E-05	<1.76E-04	<6.75E-05	<1.19E-04
T-610		<8.70E-05	<2.13E-05	<4.79E-05	<6.90E-05	<8.06E-05	<8.55E-05	<2.61E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.19E-05	<3.14E-05	<5.53E-05

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

Sample Number	Compound	1,2,4-Trimethylbenzene	Ethylbenzene	4-Ethyltoluene	Naphthalene	Octane	Chloromethane	Cyclohexane	Hexane	t-Butyl alcohol	Trichloroethene (TCE)	Carbon disulfide	Tetrachloroethene (PCE)	2-Hexanone	1,3,5-Trimethylbenzene	Styrene
	CAS	95-63-6	100-41-4	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5
	MW	120.2	106.2	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2
T-101		<1.46E-04	<6.34E-05	<1.46E-04	<3.87E-04	<6.82E-05	<4.57E-05	<2.59E-05	<5.15E-05	<4.43E-05	<1.90E-05	<4.54E-05	<2.40E-05	<5.98E-05	<1.46E-04	<9.43E-05
T-102		<9.17E-05	<3.99E-05	<9.17E-05	<2.44E-04	<4.29E-05	<2.87E-05	<1.63E-05	<3.24E-05	<2.78E-05	<1.20E-05	<2.86E-05	<1.51E-05	<3.76E-05	<9.17E-05	<5.93E-05
T-103		<1.24E-04	<5.42E-05	<1.24E-04	<3.31E-04	<5.82E-05	<3.90E-05	<2.21E-05	<4.40E-05	<3.78E-05	<1.62E-05	<3.88E-05	<2.05E-05	<5.11E-05	<1.24E-04	<8.05E-05
T-104		0.00018	0.00034	0.00023	<2.13E-04	0.00017	<2.51E-05	<1.42E-05	<2.83E-05	0.00046	<1.05E-05	<2.50E-05	<1.32E-05	<3.29E-05	0.00017	<5.18E-05
T-105		<6.93E-05	<3.01E-05	<6.93E-05	<1.84E-04	<3.24E-05	<2.17E-05	<1.23E-05	<2.45E-05	<2.10E-05	<9.04E-06	<2.16E-05	<1.14E-05	<2.84E-05	<6.93E-05	<4.48E-05
T-106		<7.63E-05	<3.32E-05	<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05
T-107		<1.01E-04	<4.38E-05	<1.01E-04	<2.68E-04	<4.71E-05	<3.16E-05	<1.79E-05	<3.56E-05	<3.06E-05	<1.31E-05	<3.14E-05	<1.66E-05	<4.13E-05	<1.01E-04	<6.51E-05
T-108		<2.42E-04	<1.05E-04	<2.42E-04	<6.43E-04	<1.13E-04	<7.58E-05	<4.30E-05	<8.54E-05	<7.34E-05	<3.16E-05	<7.54E-05	<3.98E-05	<9.93E-05	<2.42E-04	<1.56E-04
T-109		<7.53E-05	<3.28E-05	<7.53E-05	<2.00E-04	<3.53E-05	<2.36E-05	<1.34E-05	<2.66E-05	<2.29E-05	<9.83E-06	<2.35E-05	<1.24E-05	<3.09E-05	<7.53E-05	<4.87E-05
T-110		<6.79E-05	<2.96E-05	<6.79E-05	<1.81E-04	<3.18E-05	<2.13E-05	<1.21E-05	<2.40E-05	<2.06E-05	<8.87E-06	<2.12E-05	<1.12E-05	<2.79E-05	<6.79E-05	<4.40E-05
T-111		<4.55E-04	<1.98E-04	<4.55E-04	<1.21E-03	<2.13E-04	<1.43E-04	<8.10E-05	<1.61E-04	<1.38E-04	<5.95E-05	<1.42E-04	<7.50E-05	<1.87E-04	<4.55E-04	<2.95E-04
T-112		<8.70E-05	<3.79E-05	<8.70E-05	<2.31E-04	<4.07E-05	<2.73E-05	<1.55E-05	<3.07E-05	<2.64E-05	<1.14E-05	<2.71E-05	<1.43E-05	<3.57E-05	<8.70E-05	<5.63E-05
T-113		<7.63E-05	<3.32E-05	<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05
T-114		<6.91E-05	<3.01E-05	<6.91E-05	<1.84E-04	<3.23E-05	<2.17E-05	<1.23E-05	<2.44E-05	<2.10E-05	<9.02E-06	<2.15E-05	<1.14E-05	<2.84E-05	<6.91E-05	<4.47E-05
T-201		<7.81E-05	<3.40E-05	<7.81E-05	<2.08E-04	<3.66E-05	<2.45E-05	<1.39E-05	<2.76E-05	<2.37E-05	<1.02E-05	<2.44E-05	<1.29E-05	<3.21E-05	<7.81E-05	<5.06E-05
T-202		<8.58E-05	<3.73E-05	<8.58E-05	<2.28E-04	<4.01E-05	<2.69E-05	<1.52E-05	<3.03E-05	<2.60E-05	<1.12E-05	<2.68E-05	<1.41E-05	<3.52E-05	<8.58E-05	<5.55E-05
T-203		<6.58E-05	<2.86E-05	<6.58E-05	<1.75E-04	<3.08E-05	<2.06E-05	<1.17E-05	<2.32E-05	<2.00E-05	<8.59E-06	<2.05E-05	<1.08E-05	<2.70E-05	<6.58E-05	<4.26E-05
T-204		<9.01E-05	<3.92E-05	<9.01E-05	<2.39E-04	<4.21E-05	<2.82E-05	<1.60E-05	<3.18E-05	<2.73E-05	<1.18E-05	<2.81E-05	<1.48E-05	<3.70E-05	<9.01E-05	<5.83E-05
T-205		<7.07E-05	<3.07E-05	<7.07E-05	<1.88E-04	<3.31E-05	<2.22E-05	<1.26E-05	<2.50E-05	<2.15E-05	<9.22E-06	<2.20E-05	<1.16E-05	<2.90E-05	<7.07E-05	<4.57E-05
T-206		<1.09E-04	<4.74E-05	<1.09E-04	<2.90E-04	<5.10E-05	<3.42E-05	<1.94E-05	<3.85E-05	<3.31E-05	<1.42E-05	<3.40E-05	<1.79E-05	<4.47E-05	<1.09E-04	<7.05E-05
T-207		<7.10E-05	0.00007	<7.10E-05	<1.89E-04	<3.32E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.27E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.10E-05	<4.60E-05
T-208		<7.21E-05	<3.14E-05	<7.21E-05	<1.92E-04	<3.37E-05	<2.26E-05	<1.28E-05	<2.54E-05	<2.19E-05	<9.40E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.21E-05	<4.66E-05
T-209		<6.83E-05	0.00008	<6.83E-05	<1.82E-04	<3.20E-05	<2.14E-05	<1.21E-05	<2.41E-05	<2.07E-05	<8.91E-06	<2.13E-05	<1.12E-05	<2.80E-05	<6.83E-05	<4.42E-05
T-210		<7.59E-05	<3.30E-05	<7.59E-05	<2.02E-04	<3.55E-05	<2.38E-05	<1.35E-05	<2.68E-05	<2.30E-05	<9.91E-06	<2.37E-05	<1.25E-05	<3.12E-05	<7.59E-05	<4.91E-05
T-211		<7.11E-05	<3.09E-05	<7.11E-05	<1.89E-04	<3.33E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.28E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.11E-05	<4.60E-05
T-212		<6.55E-05	<2.85E-05	<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05
T-213		<7.36E-05	0.00007	<7.36E-05	<1.96E-04	<3.44E-05	<2.31E-05	<1.31E-05	<2.60E-05	<2.23E-05	<9.60E-06	<2.29E-05	<1.21E-05	<3.02E-05	<7.36E-05	<4.76E-05
T-214		<7.57E-05	<3.29E-05	<7.57E-05	<2.01E-04	<3.54E-05	<2.37E-05	<1.34E-05	<2.67E-05	<2.30E-05	<9.88E-06	<2.36E-05	<1.25E-05	<3.11E-05	<7.57E-05	<4.89E-05
T-301		<1.20E-04	<5.22E-05	<1.20E-04	<3.19E-04	<5.61E-05	<3.76E-05	<2.13E-05	<4.24E-05	<3.64E-05	<1.57E-05	<3.74E-05	0.00045	<4.93E-05	<1.20E-04	<7.76E-05
T-302		<6.63E-05	<2.89E-05	<6.63E-05	<1.76E-04	<3.10E-05	<2.08E-05	0.00033	<2.34E-05	<2.01E-05	<8.66E-06	<2.07E-05	<1.09E-05	<2.72E-05	<6.63E-05	<4.29E-05
T-303		<7.17E-05	<3.12E-05	<7.17E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.27E-05	<2.53E-05	<2.18E-05	<9.36E-06	<2.24E-05	<1.18E-05	<2.94E-05	<7.17E-05	<4.64E-05
T-304		<8.21E-05	<3.57E-05	<8.21E-05	<2.18E-04	<3.84E-05	<2.57E-05	<1.46E-05	<2.90E-05	<2.49E-05	<1.07E-05	<2.56E-05	<1.35E-05	<3.37E-05	<8.21E-05	<5.31E-05
T-305		<1.26E-04	<5.48E-05	<1.26E-04	<3.34E-04	<5.89E-05	<3.94E-05	<2.24E-05	<4.44E-05	<3.82E-05	<1.64E-05	<3.92E-05	<2.07E-05	0.00034	<1.26E-04	<8.14E-05
T-306		0.00055	<1.17E-04	<2.68E-04	0.00318	0.00110	<8.41E-05	<4.77E-05	<9.47E-05	<8.14E-05	<3.50E-05	<8.36E-05	<4.42E-05	<1.10E-04	<2.68E-04	<1.73E-04
T-307		<9.57E-05	<4.16E-05	<9.57E-05	0.00102	<4.48E-05	<3.00E-05	0.00070	<3.38E-05	<2.90E-05	<1.25E-05	<2.98E-05	<1.58E-05	<3.93E-05	<9.57E-05	<6.19E-05
T-308		<1.00E-04	<4.36E-05	<1.00E-04	<2.67E-04	<4.69E-05	<3.14E-05	<1.78E-05	<3.54E-05	<3.04E-05	<1.31E-05	<3.13E-05	<1.65E-05	<4.12E-05	<1.00E-04	<6.49E-05
T-309		<6.76E-05	<2.94E-05	<6.76E-05	<1.80E-04	<3.16E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.05E-05	<8.82E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.76E-05	<4.37E-05
T-310		<8.39E-05	<3.65E-05	<8.39E-05	<2.23E-04	<3.93E-05	0.00153	<1.49E-05	<2.96E-05	<2.55E-05	<1.09E-05	<2.62E-05	<1.38E-05	<3.44E-05	<8.39E-05	<5.43E-05
T-311		<9.74E-05	<4.24E-05	<9.74E-05	<2.59E-04	<4.56E-05	<3.05E-05	<1.73E-05	<3.44E-05	<2.96E-05	<1.27E-05	<3.04E-05	<1.60E-05	<4.00E-05	<9.74E-05	<6.30E-05
T-312		0.00448	0.00328	0.00382	<1.20E-03	0.00320	<1.42E-04	<7.90E-05	<1.62E-04	<1.39E-04	<6.16E-05	<1.43E-04	<7.78E-05	<1.88E-04	<4.51E-04	<2.93E-04
T-313		<6.01E-05	<2.62E-05	<6.01E-05	<1.60E-04	<2.81E-05	<1.88E-05	<1.07E-05	<2.12E-05	<1.82E-05	<7.84E-06	<1.87E-05	<9.90E-06	<2.47E-05	<6.01E-05	<3.89E-05
T-314		<6.77E-05	<2.95E-05	<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.83E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05
T-401		<1.10E-04	<4.79E-05	<1.10E-04	<2.92E-04	<5.15E-05	<3.45E-05	<1.96E-05	<3.89E-05	<3.34E-05	<1.44E-05	<3.43E-05	<1.81E-05	<4.52E-05	<1.10E-04	<7.12E-05
T-402		<9.44E-05	<4.11E-05	<9.44E-05	<2.51E-04	<4.42E-05	<2.96E-05	<1.68E-05	<3.34E-05	<2.87E-05	<1.23E-05	<2.94E-05	<1.56E-05	<3.88E-05	<9.44E-05	<6.11E-05
T-403		<6.77E-05	<2.95E-05	<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.84E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05
T-404		<1.40E-04	<6.10E-05	<1.40E-04	<3.73E-04	<6.56E-05	<4.39E-05	<2.49E-05	0.00260	<4.26E-05	<1.83E-05	<4.37E-05	<2.31E-05	<5.75E-05	<1.40E-04	<9.07E-05
T-405		<7.14E-05	<3.11E-05	<7.14E-05	<1.90E-04	<3.34E-05	<2.24E-05	<1.27E-05	<2.52E-05	<2.17E-05	<9.33E-06	<2.23E-05	<1.18E-05	<2.93E-05	<7.14E-05	<4.62E-05
T-406		<8.93E-05	<3.89E-05	<8.93E-05	<2.37E-04	<4.18E-05	<2.80E-05	<1.59E-05	<3.15E-05	<2.71E-05	<1.17E-05	<2.78E-05	<1.47E-05	<3.67E-05	<8.93E-05	<5.78E-05
T-407		<6.55E-05	<2.85E-05	<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05
T-408		<7.64E-05	<3.33E-05	<7.64E-05	<2.03E-04	<3.58E-05	<2.40E-05	<1.36E-05	<2.70E-05	<2.32E-05	<9.98E-06	<2.38E-05	<1.26E-05	<3.14E-05	<7.64E-05	<4.95E-05
T-409		<7.46E-05	<3.25E-05	<7.46E-05	<1.98E-04	<3.49E-05	<2.34E-05	<1.33E-05	<2.63E-05	<2.26E-05	<9.73E-06	<2.33E-05	<1.23E-05	<3.06E-05	<7.46E-05	<4.82E-05
T-410		<6.46E-05	<2.81E-05	<6.46E-05	<1.72E-04	<3.02E-05	<2.02E-05	<1.15E-05	<2.28E-05	<1.96E-05	<8.43E-06	<2.01E-05	<1.06E-05	<2.65E-05	<6.46E-05	<4.18E-05
T-501		<7.28E-05	<3.17E-05	<7.28E-05	0.00110	<3.41E-05	<2.28E-05	<1.29E-05	<2.57E-05	<2.21E-05	<9.51E-06	<2.27E-05	<1.20E-05	<2.99E-05	<7.28E-05	<4.71E-05
T-502		<7.73E-05	<3.36E-05	<7.73E-05	0.00050	<3.62E-05	<2.42E-05	<1.37E-05	<2.73E-05	<2.35E-05	<1.01E-05	<2.41E-05	<1.27E-05	<3.17E-05	<7.73E-05	<5.00E-05
T-503		<7.18E-05	<3.13E-05	<7.18E-05	0.00081	<3.36E-05	<2.25E-05	<1.28E-05	<2.54E-05	<2.18E-05	<9.38E-06	<2.24E-05	<1.18E-05	<2.95E-05	<7.18E-05	<4.65E-05
T-504		<8.04E-05	<3.50E-05	<8.04E-05	<2.14E-04	<3.76E-05	<2.52E-05	<1.43E-05	<2.84E-05	<2.44E-05	<1.05E-05	<2.51E-05	<1.32E-05	<3.30E-05	<8.04E-05	0.00014
T-505		<7.91E-05	<3.44E-05	<7.91E-05	<2.10E-04	<3.70E-05	<2.48E-05	<1.41E-05	<2.79E-05	<2.40E-05	<1.03E-05	<2.47E-05	<1.30E-05	<3.25E-05	<7.91E-05	<5.11E-05
T-506		<7.42E-05	<3.23E-05	<7.42E-05	<1.97E-04	<3.47E-05	<2.33E-05	<1.32E-05	<2.62E-05	<2.25E-05	<9.69E-06	<2.31E-05	<1.22E-05	<3.05E-05	<7.42E-05	<4.80E-05
T-507		<8.29E-05	<3.61E-05	<8.29E-05	<2.20E-04	<3.88E-05	<2.60E-05	<1.47E-05	<2.93E-05	<2.52E-05	<1.08E-05	0.00019	<1.36E-05	<3.40E-05	<8.29E-05	<5.36E-05
T-508		<9.87E-05	<4.29E-05	<9.87E-05	<2.62E-04	<4.62E-05	<3.09E-05	<1.75E-05	<3.49E-05	<3.00E-05	0.00056	<3.08E-05	0.00011	<4.05E-05	<9.87E-05	<6.38E-05
T-509		<7.01E-05	<3.05E-05	<7.01E-05	<1.86E-04	<3.28E-05	<2.20E-05	<1.25E-05	<2.48E-05	<2.13E-05	<9.15E-06	<2.19E-05	<1.15E-05	<2.88E-05	<7.01E-05	<4.53E-05
T-510		<7.18E-05	<3.13E-05	<7.18E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.28E-05	<2.54E-05	<2.18E-05	<9.38E-06	<2.24E-05	<1.18E-05	<2.95E-05	<7.18E-05	<4.65E-05
T-601		<8.47E-05	<3.69E-05	<8.47E-05	<2.25E-04	<3.97E-05	<2.66E-05	<1.51E-05	<2.99E-05	<2.57E-05	<1.11E-05	<2.64E-05	<1.40E-05	<3.48E-05	<8.47E-05	<5.48E-05
T-602		<7.91E-05	<3.44E-05	<7.91E-05	<2.10E-04	<3.70E-05	<2.48E-05	<1.41E-05	<2.79E-05	<2.40E-05	<1.03E-05	<2.47E-05	<1.30E-05	<3.25E-05	<7.91E-05	<5.12E-05
T-603		<9.85E-05	<4.29E-05	<9.85E-05	<2.62E-04	<4.61E-05	<3.09E-05	<1.75E-05	<3.48E-05	<2.99E-05	<1.29E-05	<3.07E-05	<1.62E-05	<4.05E-05	<9.85E-05	<6.38E-05
T-604		<7.22E-05	<3.14E-05	<7.22E-05	<1.92E-04	<3.38E-05	<2.26E-05	<1.28E-05	<2.55E-05	<2.19E-05	<9.43E-06	<2.25E-05	<1.19E-05	<2.97E-05	<7.22E-05	<4.67E-05
T-605		<1.46E-04	<6.36E-05	<1.46E-04	<3.88E-04	<6.84E-05	<4.58E-05	<2.60E-05	<5.16E-05	<4.44E-05	<1.91E-05	<4.56E-05	<2.41E-05	<6.00E-05	<1.46E-04	<9.45E-05
T-606		<7.75E-05	<3.37E-05	<7.75E-05	<2.06E-04	<3.63E-05	<2.43E-05	<1.38E-05	<2.74E-05	<2.35E-05	<1.01E-05	<2.42E-05	<1.28E-05	<3.18E-05	<7.75E-05	<5.01E-05
T-607		<1.34E-04	<5.85E-05	<1.34E-04	<3.57E-04	<6.29E-05	<4.21E-05	0.00022	<4.75E-05	<4.08E-05	<1.75E-05	<4.19E-05	<2.21E-05	<5.52E-05	<1.34E-04	<8.70E-05
T-608		<1.69E-04	<7.34E-05	<1.69E-04	<4.49E-04	<7.89E-05	<5.29E-05	0.00121	<5.96E-05	<5.12E-05	<2.20E-05	<5.26E-05	<2.78E-05	<6.93E-05	<1.69E-04	<1.09E-04
T-609		<1.55E-04	<6.75E-05	<1.55E-04	<4.12E-04	<7.26E-05	<4.86E-05	0.00138	<5.48E-05	<4.71E-05	<2.02E-05	<4.84E-05	<2.55E-05	<6.37E-05	<1.55E-04	<1.00E-04
T-610		<7.22E-05	<3.14E-05	<7.22E-05	<1.92E-04	<3.38E-05	<2.26E-05	<1.28E-05	<2.55E-05	<2.19E-05	<9.42E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.22E-05	<4.67E-05

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

Sample Number		Total Non-Methane Hydrocarbons-C1	Total Non-Methane Hydrocarbons-C6	Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene
	CAS	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6
	MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2
T-101		<1.30E-03	<1.17E-03	0.00039	0.00034	<1.03E-04	<1.02E-04	<1.05E-04	<1.05E-04	<9.67E-05	<9.71E-05	<1.03E-04	<9.67E-05	<9.67E-05
T-102		0.00177	0.00159	0.00024	<6.85E-05	<6.48E-05	0.00018	<6.61E-05	<6.57E-05	<6.08E-05	<6.11E-05	<6.49E-05	<6.08E-05	<6.08E-05
T-103		<1.11E-03	<9.99E-04	<9.09E-05	0.00025	<8.80E-05	<8.67E-05	<8.98E-05	<8.93E-05	<8.26E-05	<8.30E-05	<8.81E-05	<8.26E-05	<8.26E-05
T-104		0.02185	0.01962	<5.85E-05	<5.99E-05	<5.66E-05	0.00251	<5.78E-05	<5.75E-05	0.00029	0.00064	0.00023	0.00209	0.00148
T-105		0.00166	0.00149	0.00041	0.00024	<4.90E-05	0.00019	<5.00E-05	0.00019	<4.60E-05	<4.62E-05	<4.91E-05	<4.60E-05	<4.60E-05
T-106		<6.82E-04	<6.12E-04	<5.57E-05	0.00015	<5.39E-05	0.00015	<5.50E-05	0.00021	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05
T-107		0.00549	0.00493	0.00040	0.00028	<7.12E-05	0.00021	0.00069	0.00082	<6.68E-05	0.00016	<7.13E-05	<6.68E-05	<6.68E-05
T-108		0.01295	0.01163	0.00074	0.00064	<1.71E-04	<1.69E-04	0.00039	0.00108	<1.60E-04	0.00036	<1.71E-04	<1.60E-04	0.00187
T-109		0.00145	0.00130	<5.50E-05	0.00013	<5.32E-05	0.00014	0.00016	0.00026	<5.00E-05	<5.02E-05	<5.33E-05	<5.00E-05	<5.00E-05
T-110		0.00169	0.00152	0.00017	<5.08E-05	<4.80E-05	0.00025	0.00018	0.00021	<4.51E-05	<4.53E-05	<4.81E-05	<4.51E-05	<4.51E-05
T-111		0.00953	0.00856	<3.33E-04	<3.40E-04	<3.22E-04	<3.17E-04	<3.29E-04	<3.27E-04	<3.02E-04	<3.04E-04	<3.23E-04	<3.02E-04	<3.02E-04
T-112		0.00601	0.00540	0.00117	0.00085	<6.15E-05	0.00100	0.00062	<6.24E-05	<5.77E-05	<5.80E-05	<6.16E-05	<5.77E-05	0.00045
T-113		0.00520	0.00467	0.00092	0.00066	<5.39E-05	0.00082	0.00053	<5.47E-05	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05
T-114		<6.18E-04	<5.55E-04	<5.04E-05	<5.16E-05	<4.88E-05	<4.81E-05	<4.98E-05	<4.95E-05	<4.58E-05	<4.60E-05	<4.89E-05	<4.58E-05	<4.58E-05
T-201		0.00220	0.00198	0.00053	0.00015	<5.52E-05	<5.45E-05	<5.64E-05	<5.60E-05	<5.18E-05	<5.21E-05	<5.53E-05	<5.18E-05	<5.18E-05
T-202		0.00253	0.00227	0.00035	0.00040	<6.06E-05	0.00012	0.00023	<6.15E-05	<5.69E-05	<5.72E-05	<6.07E-05	<5.69E-05	<5.69E-05
T-203		0.00152	0.00137	0.00010	0.00011	<4.65E-05	<4.58E-05	<4.75E-05	0.00011	<4.36E-05	<4.38E-05	<4.66E-05	<4.36E-05	<4.36E-05
T-204		0.00204	0.00184	0.00020	0.00019	<6.37E-05	0.00015	0.00022	0.00034	<5.97E-05	<6.00E-05	<6.38E-05	<5.97E-05	<5.97E-05
T-205		0.00262	0.00235	0.00040	0.00016	<4.99E-05	0.00021	<5.10E-05	<5.07E-05	<4.69E-05	0.00016	<5.00E-05	<4.69E-05	<4.69E-05
T-206		0.00235	0.00211	<7.95E-05	<8.14E-05	0.00039	<7.59E-05	0.00036	<7.81E-05	<7.23E-05	0.00022	<7.71E-05	<7.23E-05	0.00017
T-207		0.00357	0.00321	0.00018	<5.31E-05	0.00027	0.00021	0.00020	<5.09E-05	<4.71E-05	<4.74E-05	<5.03E-05	<4.71E-05	<4.71E-05
T-208		<6.44E-04	<5.78E-04	<5.26E-05	<5.39E-05	<5.09E-05	<5.02E-05	<5.20E-05	<5.17E-05	<4.78E-05	<4.80E-05	<5.10E-05	<4.78E-05	<4.78E-05
T-209		0.00602	0.00540	0.00014	<5.10E-05	0.00028	0.00016	<4.93E-05	<4.90E-05	0.00010	<4.55E-05	<4.84E-05	0.00010	0.00038
T-210		0.00234	0.00210	0.00018	<5.67E-05	<5.36E-05	0.00013	0.00014	0.00035	<5.03E-05	0.00014	<5.37E-05	<5.03E-05	0.00011
T-211		0.00302	0.00272	0.00014	0.00029	<5.02E-05	0.00019	0.00018	0.00032	<4.71E-05	0.00019	<5.03E-05	<4.71E-05	0.00011
T-212		0.00304	0.00273	<4.78E-05	<4.90E-05	<4.63E-05	<4.57E-05	<4.73E-05	<4.70E-05	<4.35E-05	0.00012	<4.64E-05	<4.35E-05	0.00024
T-213		0.00238	0.00214	<5.37E-05	<5.50E-05	<5.20E-05	<5.13E-05	0.00016	<5.28E-05	0.00018	0.00011	<5.21E-05	<4.88E-05	0.00032
T-214		<6.76E-04	<6.07E-04	0.00018	<5.66E-05	<5.35E-05	0.00015	0.00018	0.00030	<5.02E-05	<5.04E-05	<5.36E-05	<5.02E-05	<5.02E-05
T-301		0.01733	0.01556	0.00041	0.00023	<8.48E-05	0.00026	0.00039	0.00060	<7.96E-05	0.00136	<8.49E-05	<7.96E-05	0.00028
T-302		0.00988	0.00887	0.00107	0.00014	<4.69E-05	0.00021	0.00105	0.00031	<4.40E-05	0.00013	<4.70E-05	0.00015	0.00037
T-303		<6.41E-04	<5.76E-04	<5.24E-05	0.00014	<5.07E-05	<5.00E-05	<5.17E-05	<5.14E-05	<4.76E-05	<4.78E-05	<5.08E-05	<4.76E-05	<4.76E-05
T-304		0.00443	0.00398	0.00027	0.00029	<5.80E-05	0.00014	0.00032	0.00066	<5.45E-05	0.00044	<5.81E-05	<5.45E-05	<5.45E-05
T-305		0.03198	0.02872	0.00052	0.00023	0.00036	0.00033	0.00019	0.00076	<8.35E-05	0.01003	<8.91E-05	0.00074	0.00285
T-306		0.05529	0.04965	0.00100	0.00071	0.00153	0.00066	0.00043	0.00156	0.00113	0.00038	0.00625	0.00106	0.00142
T-307		0.01965	0.01764	0.00176	0.00050	<6.76E-05	0.00053	0.00261	<6.86E-05	<6.35E-05	0.00077	<6.77E-05	<6.35E-05	0.00024
T-308		0.00203	0.00182	<7.32E-05	0.00019	<7.09E-05	<6.99E-05	<7.23E-05	<7.19E-05	<6.65E-05	<6.68E-05	<7.10E-05	<6.65E-05	<6.65E-05
T-309		0.00469	0.00422	0.00021	0.00014	0.00039	0.00022	0.00025	0.00021	0.00013	<4.51E-05	0.00017	0.00012	0.00018
T-310		0.00435	0.00390	0.00020	0.00023	<5.93E-05	0.00020	<6.05E-05	0.00074	<5.56E-05	<5.59E-05	<5.94E-05	<5.56E-05	<5.56E-05
T-311		0.00283	0.00254	0.00032	<7.28E-05	<6.89E-05	0.00020	<7.03E-05	<6.99E-05	<6.46E-05	0.00022	<6.90E-05	<6.46E-05	<6.46E-05
T-312		0.17664	0.15860	0.00025	0.00021	0.04603	0.00032	0.00040	0.00109	0.01959	0.00711	0.01568	0.01043	0.00541
T-313		0.00315	0.00282	0.00018	0.00014	0.00038	0.00016	0.00021	0.00018	0.00011	<4.01E-05	<4.26E-05	<3.99E-05	0.00029
T-314		<6.05E-04	<5.43E-04	<4.94E-05	<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05
T-401		0.00561	0.00504	0.00049	0.00031	0.00025	0.00029	0.00020	0.00025	<7.30E-05	<7.33E-05	<7.79E-05	<7.30E-05	<7.30E-05
T-402		0.00316	0.00284	0.00034	0.00054	<6.67E-05	0.00020	<6.81E-05	<6.77E-05	<6.26E-05	<6.29E-05	<6.69E-05	<6.26E-05	<6.26E-05
T-403		<6.05E-04	<5.43E-04	<4.94E-05	<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05
T-404		<1.25E-03	<1.13E-03	0.00036	0.00053	<9.91E-05	<9.77E-05	<1.01E-04	<1.01E-04	<9.30E-05	<9.34E-05	<9.92E-05	<9.30E-05	<9.30E-05
T-405		0.00254	0.00228	0.00018	0.00016	<5.05E-05	0.00021	<5.15E-05	0.00022	<4.74E-05	<4.76E-05	<5.06E-05	<4.74E-05	<4.74E-05
T-406		<7.98E-04	<7.17E-04	<6.52E-05	<6.68E-05	<6.31E-05	0.00015	<6.44E-05	<6.40E-05	<5.92E-05	<5.95E-05	<6.32E-05	<5.92E-05	<5.92E-05
T-407		0.00195	0.00175	0.00015	0.00021	<4.63E-05	0.00014	0.00023	0.00023	<4.35E-05	<4.37E-05	<4.64E-05	<4.35E-05	0.00016
T-408		0.00362	0.00325	0.00064	0.00033	<5.40E-05	<5.33E-05	<5.51E-05	0.00065	<5.07E-05	<5.10E-05	<5.41E-05	<5.07E-05	<5.07E-05
T-409		0.00295	0.00265	0.00056	0.00016	<5.27E-05	0.00011	0.00013	0.00056	<4.95E-05	0.00010	<5.28E-05	<4.95E-05	<4.95E-05
T-410		<5.77E-04	<5.18E-04	<4.71E-05	<4.83E-05	<4.56E-05	<4.50E-05	<4.66E-05	<4.63E-05	<4.28E-05	<4.30E-05	<4.57E-05	<4.28E-05	<4.28E-05
T-501		0.00260	0.00233	0.00025	0.00015	<5.15E-05	0.00024	0.00024	0.00022	<4.83E-05	<4.86E-05	<5.16E-05	<4.83E-05	0.00012
T-502		0.00228	0.00204	0.00022	0.00018	<5.46E-05	0.00024	0.00016	0.00021	<5.13E-05	<5.15E-05	<5.47E-05	<5.13E-05	0.00041
T-503		<6.42E-04	<5.77E-04	0.00013	<5.37E-05	<5.08E-05	<5.01E-05	<5.18E-05	<5.15E-05	<4.77E-05	0.00017	<5.09E-05	<4.77E-05	<4.77E-05
T-504		<7.19E-04	<6.46E-04	<5.87E-05	<6.01E-05	<5.68E-05	<5.60E-05	<5.80E-05	<5.77E-05	<5.33E-05	<5.36E-05	<5.69E-05	<5.33E-05	<5.33E-05
T-505		<7.07E-04	<6.35E-04	<5.77E-05	<5.91E-05	<5.59E-05	<5.51E-05	<5.70E-05	<5.67E-05	<5.24E-05	<5.27E-05	<5.60E-05	<5.24E-05	0.00015
T-506		<6.63E-04	<5.96E-04	<5.42E-05	<5.55E-05	<5.24E-05	<5.17E-05	<5.35E-05	<5.32E-05	<4.92E-05	<4.95E-05	<5.25E-05	<4.92E-05	0.00014
T-507		0.00205	0.00184	0.00026	0.00018	<5.86E-05	0.00024	0.00030	0.00026	<5.50E-05	<5.52E-05	<5.87E-05	<5.50E-05	<5.50E-05
T-508		<8.82E-04	<7.92E-04	0.00022	0.00021	<6.97E-05	0.00018	0.00017	0.00024	<6.55E-05	<6.58E-05	<6.99E-05	<6.55E-05	<6.55E-05
T-509		0.00329	0.00295	0.00034	0.00019	0.00021	0.00022	0.00026	0.00024	<4.65E-05	0.00050	<4.96E-05	<4.65E-05	<4.65E-05
T-510		<6.42E-04	<5.77E-04	0.00015	<5.37E-05	0.00013	0.00014	<5.18E-05	<5.15E-05	<4.76E-05	0.00017	<5.09E-05	<4.76E-05	<4.76E-05
T-601		0.00202	0.00181	0.00030	0.00031	0.00015	<5.91E-05	<6.11E-05	<6.08E-05	<5.62E-05	<5.65E-05	<6.00E-05	<5.62E-05	<5.62E-05
T-602		0.00468	0.00420	0.00043	0.00041	<5.59E-05	0.00023	0.00034	0.00025	<5.24E-05	0.00031	<5.60E-05	0.00026	<5.24E-05
T-603		0.01230	0.01105	0.00038	0.00038	<6.96E-05	0.00024	0.00068	0.00035	0.00032	0.00056	0.00028	0.00044	0.00068
T-604		<6.46E-04	<5.80E-04	0.00023	0.00018	<5.11E-05	0.00010	<5.21E-05	<5.18E-05	<4.79E-05	<4.82E-05	<5.11E-05	<4.79E-05	<4.79E-05
T-605		0.00876	0.00787	0.00050	0.00045	0.00075	0.00021	0.00099	0.00071	<9.69E-05	<9.74E-05	<1.03E-04	<9.69E-05	0.00020
T-606		0.00142	0.00127	0.00013	0.00013	<5.48E-05	0.00011	<5.59E-05	<5.56E-05	<5.14E-05	0.00029	<5.49E-05	<5.14E-05	<5.14E-05
T-607		0.01757	0.01578	0.00257	0.00057	0.00031	0.00069	0.00236	0.00155	<8.92E-05	0.00024	<9.52E-05	<8.92E-05	0.00031
T-608		0.01798	0.01614	0.00110	0.00034	0.00074	0.00064	0.00150	0.00163	<1.12E-04	<1.12E-04	<1.19E-04	0.00050	<1.12E-04
T-609		0.01642	0.01475	0.00126	0.00062	<1.10E-04	0.00100	0.00105	0.00089	<1.03E-04	<1.03E-04	<1.10E-04	0.00058	<1.03E-04
T-610		<6.45E-04	<5.79E-04	0.00013	<5.40E-05	<5.10E-05	<5.03E-05	<5.21E-05	<5.18E-05	<4.79E-05	<4.81E-05	<5.11E-05	<4.79E-05	<4.79E-05

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

Sample Number		m,p-xylene	Benzene	Ethene	n-propylbenzene	Undecane	t-2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-xylene	1,4-Diethylbenzene
	CAS	108-38-3	71-43-2	74-85-1	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5
	MW	106.2	78.1	28.1	120.2	156.3	56.1	120.2	86.2	100.2	72.1	100.2	106.2	134.2
T-101		<9.61E-05	<9.42E-05	<1.02E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.67E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.04E-04	<9.61E-05	<9.71E-05
T-102		<6.04E-05	<5.93E-05	<6.40E-05	<6.08E-05	<6.47E-05	0.00020	<6.08E-05	0.00018	<6.52E-05	<6.57E-05	<6.52E-05	<6.04E-05	<6.11E-05
T-103		<8.21E-05	<8.05E-05	<8.68E-05	0.00031	<8.78E-05	0.00026	<8.26E-05	<8.88E-05	<8.85E-05	<8.91E-05	<8.85E-05	<8.21E-05	<8.30E-05
T-104		0.00146	<5.18E-05	<5.59E-05	0.00299	0.00015	<5.58E-05	0.00046	<5.72E-05	0.00037	<5.74E-05	<5.70E-05	0.00013	<5.34E-05
T-105		<4.57E-05	<4.48E-05	<4.83E-05	<4.60E-05	<4.89E-05	<4.83E-05	<4.60E-05	<4.94E-05	<4.93E-05	<4.96E-05	<4.93E-05	<4.57E-05	<4.62E-05
T-106		<5.03E-05	<4.93E-05	<5.32E-05	<5.06E-05	<5.38E-05	<5.31E-05	<5.06E-05	<5.44E-05	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05
T-107		<6.64E-05	0.00030	<7.03E-05	<6.68E-05	<7.11E-05	<7.01E-05	<6.68E-05	0.00029	<7.16E-05	0.00020	<7.16E-05	<6.64E-05	<6.71E-05
T-108		<1.59E-04	0.00072	<1.69E-04	<1.60E-04	<1.71E-04	<1.68E-04	<1.60E-04	<1.73E-04	<1.72E-04	0.00098	<1.72E-04	0.00036	<1.61E-04
T-109		<4.97E-05	<4.87E-05	<5.26E-05	<5.00E-05	<5.32E-05	<5.25E-05	<5.00E-05	<5.38E-05	<5.36E-05	<5.40E-05	<5.36E-05	<4.97E-05	<5.02E-05
T-110		<4.48E-05	<4.39E-05	<4.74E-05	<4.51E-05	<4.80E-05	0.00013	<4.51E-05	<4.85E-05	<4.83E-05	<4.87E-05	<4.83E-05	<4.48E-05	<4.53E-05
T-111		<3.00E-04	0.00092	<3.18E-04	<3.02E-04	<3.21E-04	<3.17E-04	<3.02E-04	<3.25E-04	<3.24E-04	<3.26E-04	<3.24E-04	<3.00E-04	<3.04E-04
T-112		<5.74E-05	<5.63E-05	0.00019	<5.77E-05	<6.14E-05	<6.06E-05	<5.77E-05	0.00014	<6.19E-05	<6.23E-05	<6.19E-05	<5.74E-05	<5.80E-05
T-113		<5.03E-05	<4.93E-05	<5.32E-05	<5.06E-05	<5.38E-05	0.00036	<5.06E-05	0.00019	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05
T-114		<4.55E-05	<4.47E-05	<4.82E-05	<4.58E-05	<4.88E-05	<4.81E-05	<4.58E-05	<4.93E-05	<4.91E-05	<4.95E-05	<4.91E-05	<4.55E-05	<4.60E-05
T-201		<5.15E-05	<5.05E-05	<5.45E-05	<5.18E-05	<5.51E-05	<5.44E-05	<5.18E-05	<5.58E-05	<5.56E-05	0.00011	<5.56E-05	<5.15E-05	<5.21E-05
T-202		<5.66E-05	<5.55E-05	<5.99E-05	<5.69E-05	<6.05E-05	0.00014	0.00019	<6.12E-05	<6.10E-05	0.00013	<6.10E-05	<5.66E-05	<5.72E-05
T-203		<4.34E-05	<4.25E-05	<4.59E-05	<4.36E-05	<4.64E-05	<4.58E-05	<4.36E-05	0.00016	0.00018	<4.71E-05	<4.68E-05	<4.34E-05	<4.38E-05
T-204		<5.94E-05	<5.82E-05	<6.28E-05	<5.97E-05	<6.36E-05	<6.27E-05	<5.97E-05	<6.43E-05	<6.40E-05	<6.45E-05	<6.40E-05	<5.94E-05	<6.00E-05
T-205		<4.66E-05	<4.57E-05	<4.93E-05	<4.69E-05	<4.99E-05	<4.92E-05	<4.69E-05	<5.04E-05	<5.02E-05	<5.06E-05	<5.02E-05	<4.66E-05	0.00021
T-206		<7.18E-05	0.00020	<7.60E-05	<7.23E-05	<7.69E-05	<7.59E-05	<7.23E-05	<7.77E-05	<7.74E-05	<7.80E-05	<7.74E-05	<7.18E-05	<7.26E-05
T-207		0.00034	0.00040	<4.96E-05	0.00021	<5.01E-05	<4.95E-05	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.68E-05	<4.74E-05
T-208		<4.75E-05	<4.66E-05	<5.03E-05	<4.78E-05	<5.08E-05	<5.02E-05	<4.78E-05	<5.14E-05	<5.12E-05	<5.16E-05	<5.12E-05	<4.75E-05	<4.80E-05
T-209		0.00022	0.00124	<4.77E-05	0.00025	<4.82E-05	<4.76E-05	0.00016	<4.87E-05	<4.86E-05	<4.89E-05	<4.86E-05	<4.50E-05	0.00010
T-210		<5.00E-05	<4.91E-05	0.00013	<5.03E-05	<5.36E-05	<5.29E-05	<5.03E-05	<5.42E-05	<5.40E-05	<5.44E-05	<5.40E-05	<5.00E-05	<5.06E-05
T-211		<4.69E-05	0.00029	0.00012	0.00015	<5.02E-05	0.00012	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.69E-05	<4.74E-05
T-212		<4.32E-05	<4.24E-05	<4.57E-05	<4.35E-05	<4.62E-05	0.00011	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	0.00022	0.00009	0.00010
T-213		<4.85E-05	<4.76E-05	<5.13E-05	<4.88E-05	<5.19E-05	0.00010	<4.88E-05	<5.25E-05	<5.23E-05	<5.27E-05	0.00026	<4.85E-05	<4.90E-05
T-214		<4.99E-05	<4.89E-05	<5.28E-05	<5.02E-05	<5.34E-05	<5.27E-05	<5.02E-05	<5.40E-05	<5.38E-05	<5.42E-05	<5.38E-05	<4.99E-05	<5.04E-05
T-301		0.00033	0.00018	<8.37E-05	0.00042	<8.47E-05	0.00021	0.00018	0.00210	<8.53E-05	<8.59E-05	0.00045	0.00025	<8.00E-05
T-302		0.00011	0.00015	<4.63E-05	0.00034	<4.68E-05	0.00014	0.00028	0.00034	0.00012	0.00036	0.00030	<4.37E-05	<4.42E-05
T-303		<4.73E-05	0.00010	<5.00E-05	<4.76E-05	<5.06E-05	<5.00E-05	<4.76E-05	<5.12E-05	<5.10E-05	<5.14E-05	<5.10E-05	<4.73E-05	<4.78E-05
T-304		<5.41E-05	0.00014	0.00032	0.00015	<5.79E-05	0.00018	<5.45E-05	<5.86E-05	<5.84E-05	0.00012	<5.84E-05	<5.41E-05	<5.47E-05
T-305		0.00026	0.00028	<8.78E-05	<8.35E-05	0.00030	<8.76E-05	0.00084	<8.98E-05	<8.95E-05	<9.01E-05	0.00057	<8.30E-05	<8.39E-05
T-306		0.01020	0.00113	0.00038	0.00057	<1.89E-04	<1.87E-04	0.00283	0.00104	<1.91E-04	<1.92E-04	<1.91E-04	0.00413	<1.79E-04
T-307		0.00017	0.00033	0.00047	0.00083	<6.75E-05	0.00021	0.00025	0.00071	0.00033	0.00161	0.00068	0.00029	<6.38E-05
T-308		<6.61E-05	0.00016	0.00025	<6.65E-05	<7.08E-05	0.00025	<6.65E-05	0.00019	0.00018	<7.18E-05	<7.13E-05	<6.61E-05	<6.68E-05
T-309		<4.46E-05	0.00014	0.00011	0.00039	0.00016	0.00018	0.00027	0.00012	<4.81E-05	<4.84E-05	<4.81E-05	0.00010	<4.51E-05
T-310		<5.53E-05	0.00041	<5.85E-05	0.00045	<5.92E-05	<5.84E-05	0.00019	<5.99E-05	<5.96E-05	<6.01E-05	0.00015	<5.53E-05	<5.59E-05
T-311		<6.42E-05	<6.30E-05	<6.80E-05	0.00073	<6.88E-05	<6.79E-05	0.00015	<6.95E-05	<6.93E-05	<6.98E-05	<6.93E-05	<6.42E-05	<6.49E-05
T-312		0.00465	0.00025	0.00017	0.00110	0.00929	<5.26E-05	0.00336	<5.39E-05	0.00453	<5.41E-05	0.00030	0.00217	0.00569
T-313		<3.96E-05	<3.89E-05	<4.19E-05	<3.99E-05	0.00021	<4.19E-05	<3.99E-05	0.00012	<4.27E-05	<4.30E-05	<4.27E-05	<3.96E-05	<4.01E-05
T-314		<4.46E-05	<4.38E-05	<4.72E-05	<4.49E-05	<4.78E-05	<4.71E-05	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05
T-401		<7.25E-05	0.00031	0.00026	<7.30E-05	<7.76E-05	<7.66E-05	<7.30E-05	0.00020	<7.82E-05	0.00039	<7.82E-05	0.00028	<7.33E-05
T-402		0.00072	<6.10E-05	<6.59E-05	<6.26E-05	<6.66E-05	0.00017	<6.26E-05	<6.74E-05	<6.71E-05	<6.76E-05	<6.71E-05	<6.23E-05	0.00017
T-403		<4.46E-05	<4.38E-05	<4.72E-05	<4.49E-05	<4.78E-05	0.00015	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05
T-404		<9.24E-05	<9.06E-05	<9.78E-05	<9.30E-05	<9.89E-05	<9.76E-05	<9.30E-05	<1.00E-04	<9.96E-05	<1.00E-04	<9.96E-05	<9.24E-05	<9.34E-05
T-405		<4.71E-05	0.00020	0.00013	<4.74E-05	<5.04E-05	0.00020	<4.74E-05	0.00012	<5.08E-05	<5.12E-05	<5.08E-05	<4.71E-05	<4.76E-05
T-406		<5.89E-05	<5.77E-05	0.00023	<5.92E-05	<6.30E-05	0.00015	<5.92E-05	<6.37E-05	<6.35E-05	<6.40E-05	<6.35E-05	<5.89E-05	<5.95E-05
T-407		<4.32E-05	0.00010	<4.57E-05	<4.35E-05	<4.62E-05	<4.56E-05	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	<4.66E-05	<4.32E-05	<4.37E-05
T-408		<5.04E-05	0.00011	<5.33E-05	<5.07E-05	<5.39E-05	<5.33E-05	<5.07E-05	<5.45E-05	<5.43E-05	<5.48E-05	<5.43E-05	<5.04E-05	0.00012
T-409		<4.92E-05	0.00015	<5.20E-05	<4.95E-05	<5.26E-05	<5.20E-05	<4.95E-05	0.00011	<5.30E-05	<5.34E-05	<5.30E-05	<4.92E-05	<4.97E-05
T-410		<4.26E-05	<4.17E-05	<4.51E-05	<4.28E-05	<4.56E-05	<4.50E-05	<4.28E-05	<4.61E-05	<4.59E-05	<4.63E-05	<4.59E-05	<4.26E-05	<4.30E-05
T-501		<4.80E-05	0.00020	<5.08E-05	0.00045	<5.14E-05	<5.07E-05	<4.83E-05	<5.20E-05	<5.18E-05	<5.22E-05	<5.18E-05	<4.80E-05	<4.86E-05
T-502		<5.10E-05	0.00015	0.00019	<5.13E-05	<5.45E-05	<5.38E-05	<5.13E-05	<5.52E-05	<5.49E-05	<5.54E-05	<5.49E-05	<5.10E-05	<5.15E-05
T-503		<4.74E-05	<4.65E-05	<5.01E-05	<4.77E-05	<5.07E-05	<5.00E-05	<4.77E-05	<5.13E-05	<5.11E-05	<5.15E-05	<5.11E-05	<4.74E-05	<4.79E-05
T-504		<5.30E-05	0.00014	<5.61E-05	<5.33E-05	<5.67E-05	0.00024	<5.33E-05	<5.74E-05	<5.72E-05	<5.76E-05	<5.72E-05	<5.30E-05	<5.36E-05
T-505		<5.21E-05	0.00013	<5.52E-05	<5.24E-05	<5.58E-05	0.00024	<5.24E-05	<5.64E-05	<5.62E-05	<5.66E-05	<5.62E-05	<5.21E-05	<5.27E-05
T-506		<4.89E-05	0.00011	<5.18E-05	<4.92E-05	<5.24E-05	0.00019	<4.92E-05	<5.30E-05	<5.28E-05	<5.31E-05	<5.28E-05	<4.89E-05	<4.95E-05
T-507		<5.46E-05	0.00012	<5.78E-05	<5.50E-05	<5.85E-05	<5.77E-05	<5.50E-05	<5.91E-05	<5.89E-05	<5.94E-05	<5.89E-05	<5.46E-05	<5.52E-05
T-508		<6.51E-05	<6.38E-05	0.00014	<6.55E-05	<6.96E-05	<6.87E-05	<6.55E-05	<7.04E-05	<7.02E-05	<7.07E-05	<7.02E-05	<6.51E-05	<6.58E-05
T-509		<4.62E-05	0.00026	0.00019	<4.65E-05	<4.95E-05	<4.88E-05	<4.65E-05	<5.00E-05	<4.98E-05	<5.02E-05	<4.98E-05	<4.62E-05	<4.67E-05
T-510		<4.74E-05	<4.64E-05	<5.01E-05	<4.76E-05	<5.07E-05	<5.00E-05	<4.76E-05	<5.13E-05	<5.11E-05	<5.14E-05	<5.11E-05	<4.74E-05	<4.79E-05
T-601		<5.59E-05	0.00023	<5.91E-05	<5.62E-05	<5.98E-05	<5.90E-05	<5.62E-05	0.00014	<6.03E-05	<6.07E-05	<6.03E-05	<5.59E-05	<5.65E-05
T-602		<5.21E-05	0.00021	<5.52E-05	0.00013	0.00023	<5.51E-05	0.00017	0.00032	<5.62E-05	<5.66E-05	<5.62E-05	0.00018	<5.27E-05
T-603		0.00024	0.00033	<6.88E-05	0.00029	0.00060	<6.86E-05	0.00072	<7.03E-05	<7.01E-05	<7.06E-05	0.00075	0.00044	0.00029
T-604		<4.76E-05	<4.67E-05	<5.04E-05	0.00017	<5.10E-05	<5.03E-05	<4.79E-05	<5.15E-05	<5.14E-05	<5.17E-05	<5.14E-05	<4.76E-05	<4.82E-05
T-605		<9.64E-05	0.00035	<1.02E-04	<9.69E-05	<1.03E-04	<1.02E-04	0.00024	<1.04E-04	<1.04E-04	0.00032	<1.04E-04	0.00039	<9.74E-05
T-606		<5.11E-05	<5.01E-05	<5.41E-05	<5.14E-05	<5.47E-05	<5.40E-05	<5.14E-05	<5.53E-05	<5.51E-05	<5.55E-05	0.00016	<5.11E-05	<5.16E-05
T-607		<8.86E-05	<8.69E-05	0.00020	0.00070	<9.49E-05	<9.36E-05	0.00032	0.00022	<9.56E-05	0.00118	0.00040	<8.86E-05	<8.96E-05
T-608		0.00045	0.00045	<1.18E-04	<1.12E-04	<1.19E-04	<1.18E-04	<1.12E-04	0.00029	<1.20E-04	0.00035	0.00196	0.00041	<1.12E-04
T-609		0.00037	<1.00E-04	<1.08E-04	<1.03E-04	<1.09E-04	<1.08E-04	<1.03E-04	0.00025	<1.10E-04	0.00055	0.00194	0.00037	<1.03E-04
T-610		<4.76E-05	<4.67E-05	<5.04E-05	<4.79E-05	<5.09E-05	<5.03E-05	<4.79E-05	<5.15E-05	<5.13E-05	<5.17E-05	<5.13E-05	<4.76E-05	<4.81E-05

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

Sample Number		1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane	Methylcyclohexane	Ethylbenzene	t-2-Pentene	Toluene	2-Methylhexane	Cyclopentane	1-Pentene
	CAS	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7	108-87-2	100-41-4	646-04-8	108-88-3	591-76-4	287-92-3	109-67-1
	MW	56.1	100.2	86.2	86.2	120.2	84.2	98.2	106.2	70.1	92.1	100.2	70.1	70.1
T-101		0.00029	<1.04E-04	<1.04E-04	<1.04E-04	<9.67E-05	<1.02E-04	<1.02E-04	<9.61E-05	<1.01E-04	<9.52E-05	<1.04E-04	<1.01E-04	<1.01E-04
T-102		0.00014	<6.52E-05	<6.54E-05	<6.54E-05	<6.08E-05	<6.39E-05	<6.39E-05	<6.04E-05	<6.38E-05	<5.99E-05	<6.52E-05	<6.38E-05	<6.38E-05
T-103		<8.67E-05	<8.85E-05	<8.88E-05	<8.88E-05	<8.26E-05	<8.67E-05	<8.67E-05	<8.21E-05	<8.67E-05	<8.13E-05	<8.85E-05	<8.67E-05	<8.67E-05
T-104		<5.58E-05	<5.70E-05	<5.72E-05	<5.72E-05	0.00184	<5.58E-05	<5.58E-05	0.00034	<5.58E-05	0.00040	<5.70E-05	0.00015	<5.58E-05
T-105		<4.83E-05	<4.93E-05	<4.94E-05	<4.94E-05	<4.60E-05	<4.83E-05	<4.83E-05	<4.57E-05	<4.82E-05	<4.53E-05	<4.93E-05	<4.82E-05	0.00017
T-106		<5.31E-05	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05	<5.32E-05	<5.03E-05	<5.31E-05	<4.98E-05	<5.42E-05	<5.31E-05	<5.31E-05
T-107		<7.01E-05	<7.16E-05	<7.19E-05	<7.19E-05	<6.68E-05	<7.02E-05	<7.02E-05	<6.64E-05	<7.01E-05	<6.58E-05	<7.16E-05	<7.01E-05	<7.01E-05
T-108		<1.68E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.60E-04	<1.69E-04	<1.68E-04	<1.59E-04	0.00082	0.00040	<1.72E-04	<1.68E-04	<1.68E-04
T-109		0.00021	<5.36E-05	<5.38E-05	<5.38E-05	<5.00E-05	<5.25E-05	<5.25E-05	<4.97E-05	<5.25E-05	<4.92E-05	<5.36E-05	<5.25E-05	<5.25E-05
T-110		<4.73E-05	<4.83E-05	<4.85E-05	0.00016	<4.51E-05	<4.74E-05	<4.73E-05	<4.48E-05	0.00011	<4.44E-05	<4.83E-05	<4.73E-05	<4.73E-05
T-111		<3.17E-04	<3.24E-04	<3.25E-04	0.00122	<3.02E-04	<3.17E-04	<3.17E-04	<3.00E-04	0.00125	<2.98E-04	<3.24E-04	<3.17E-04	<3.17E-04
T-112		0.00017	<6.19E-05	<6.21E-05	<6.21E-05	<5.77E-05	<6.07E-05	<6.06E-05	<5.74E-05	<6.06E-05	<5.69E-05	<6.19E-05	<6.06E-05	<6.06E-05
T-113		0.00015	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05	<5.32E-05	<5.03E-05	<5.31E-05	<4.99E-05	<5.42E-05	<5.31E-05	0.00014
T-114		<4.81E-05	<4.91E-05	<4.93E-05	<4.93E-05	<4.58E-05	<4.81E-05	<4.81E-05	<4.55E-05	<4.81E-05	<4.51E-05	<4.91E-05	<4.81E-05	<4.81E-05
T-201		<5.44E-05	<5.56E-05	<5.58E-05	0.00030	<5.18E-05	<5.45E-05	<5.44E-05	<5.15E-05	0.00012	<5.11E-05	<5.56E-05	<5.44E-05	0.00024
T-202		<5.98E-05	<6.10E-05	<6.12E-05	<6.12E-05	<5.69E-05	<5.98E-05	<5.98E-05	<5.66E-05	<5.97E-05	<5.61E-05	<6.10E-05	<5.97E-05	<5.97E-05
T-203		<4.58E-05	<4.68E-05	<4.69E-05	<4.69E-05	<4.36E-05	<4.58E-05	<4.58E-05	<4.34E-05	0.00028	<4.30E-05	<4.68E-05	<4.58E-05	<4.58E-05
T-204		<6.27E-05	<6.40E-05	<6.43E-05	0.00017	<5.97E-05	<6.28E-05	<6.28E-05	<5.94E-05	<6.27E-05	<5.89E-05	<6.40E-05	<6.27E-05	0.00017
T-205		0.00021	<5.02E-05	<5.04E-05	<5.04E-05	0.00009	<4.92E-05	<4.92E-05	<4.66E-05	<4.92E-05	<4.62E-05	<5.02E-05	<4.92E-05	<4.92E-05
T-206		<7.59E-05	<7.74E-05	<7.77E-05	0.00029	<7.23E-05	<7.59E-05	<7.59E-05	<7.18E-05	<7.59E-05	<7.12E-05	<7.74E-05	<7.59E-05	<7.59E-05
T-207		<4.95E-05	<5.05E-05	<5.07E-05	0.00021	<4.71E-05	<4.95E-05	<4.95E-05	0.00013	<4.95E-05	0.00016	<5.05E-05	<4.95E-05	<4.95E-05
T-208		<5.02E-05	<5.12E-05	<5.14E-05	0.00016	<4.78E-05	<5.02E-05	<5.02E-05	<4.75E-05	<5.02E-05	<4.71E-05	<5.12E-05	<5.02E-05	<5.02E-05
T-209		<4.76E-05	<4.86E-05	<4.87E-05	0.00022	<4.53E-05	<4.76E-05	<4.76E-05	0.00011	0.00010	0.00020	<4.86E-05	<4.76E-05	<4.76E-05
T-210		<5.29E-05	<5.40E-05	<5.42E-05	0.00016	<5.03E-05	<5.29E-05	<5.29E-05	<5.00E-05	<5.29E-05	<4.96E-05	<5.40E-05	<5.29E-05	<5.29E-05
T-211		<4.95E-05	<5.05E-05	<5.07E-05	<5.07E-05	<4.71E-05	<4.95E-05	<4.95E-05	<4.69E-05	<4.95E-05	<4.64E-05	<5.05E-05	<4.95E-05	0.00024
T-212		<4.56E-05	<4.66E-05	<4.67E-05	<4.67E-05	0.00014	<4.57E-05	<4.56E-05	0.00023	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05	<4.56E-05
T-213		<5.12E-05	<5.23E-05	<5.25E-05	<5.25E-05	<4.88E-05	<5.13E-05	<5.13E-05	0.00012	<5.12E-05	<4.81E-05	<5.23E-05	<5.12E-05	<5.12E-05
T-214		<5.27E-05	<5.38E-05	<5.40E-05	<5.40E-05	<5.02E-05	<5.27E-05	<5.27E-05	<4.99E-05	<5.27E-05	<4.94E-05	<5.38E-05	<5.27E-05	<5.27E-05
T-301		<8.36E-05	0.00084	0.00341	<8.56E-05	<7.96E-05	0.00123	<8.36E-05	<7.91E-05	<8.35E-05	<7.84E-05	<8.53E-05	<8.35E-05	<8.35E-05
T-302		<4.62E-05	0.00025	0.00027	0.00012	<4.40E-05	0.00036	0.00019	<4.37E-05	<4.62E-05	0.00021	0.00011	0.00020	<4.62E-05
T-303		<5.00E-05	<5.10E-05	<5.12E-05	<5.12E-05	<4.76E-05	<5.00E-05	<5.00E-05	<4.73E-05	<4.99E-05	<4.69E-05	<5.10E-05	<4.99E-05	<4.99E-05
T-304		0.00014	<5.84E-05	<5.86E-05	<5.86E-05	<5.45E-05	<5.72E-05	<5.72E-05	<5.41E-05	<5.72E-05	<5.37E-05	<5.84E-05	<5.72E-05	0.00012
T-305		<8.76E-05	<8.95E-05	0.00113	<8.98E-05	0.00059	0.00114	<8.77E-05	0.00093	<8.76E-05	0.00065	<8.95E-05	0.00080	<8.76E-05
T-306		0.00063	<1.91E-04	<1.91E-04	<1.91E-04	0.00086	0.00040	<1.87E-04	0.00251	<1.87E-04	<1.75E-04	<1.91E-04	<1.87E-04	<1.87E-04
T-307		<6.66E-05	0.00035	0.00047	0.00056	<6.35E-05	0.00101	0.00023	<6.31E-05	<6.66E-05	0.00022	0.00035	0.00030	0.00026
T-308		<6.98E-05	<7.13E-05	<7.15E-05	<7.15E-05	<6.65E-05	<6.99E-05	<6.99E-05	<6.61E-05	<6.98E-05	<6.55E-05	<7.13E-05	<6.98E-05	<6.98E-05
T-309		<4.71E-05	<4.81E-05	<4.82E-05	<4.82E-05	0.00015	<4.71E-05	<4.71E-05	<4.46E-05	<4.71E-05	<4.42E-05	0.00025	<4.71E-05	<4.71E-05
T-310		0.00018	<5.96E-05	<5.99E-05	<5.99E-05	<5.56E-05	<5.85E-05	<5.84E-05	<5.53E-05	<5.84E-05	<5.48E-05	0.00018	<5.84E-05	<5.84E-05
T-311		<6.79E-05	<6.93E-05	<6.95E-05	<6.95E-05	<6.46E-05	<6.79E-05	<6.79E-05	<6.42E-05	<6.78E-05	<6.37E-05	<6.93E-05	0.00023	<6.78E-05
T-312		<5.26E-05	0.00206	0.00022	<5.39E-05	0.00136	<5.27E-05	0.00246	0.00106	<5.26E-05	0.00079	0.00022	<5.26E-05	<5.26E-05
T-313		<4.19E-05	<4.27E-05	<4.29E-05	0.00016	<3.99E-05	<4.19E-05	<4.19E-05	<3.96E-05	0.00017	<3.93E-05	<4.27E-05	<4.18E-05	<4.18E-05
T-314		<4.71E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05	<4.72E-05	<4.46E-05	<4.71E-05	<4.42E-05	<4.81E-05	<4.71E-05	<4.71E-05
T-401		0.00032	<7.82E-05	<7.85E-05	0.00022	<7.30E-05	<7.67E-05	<7.67E-05	<7.25E-05	0.00042	<7.19E-05	<7.82E-05	<7.66E-05	<7.66E-05
T-402		<6.58E-05	<6.71E-05	<6.74E-05	<6.74E-05	<6.26E-05	<6.58E-05	<6.58E-05	<6.23E-05	<6.57E-05	<6.17E-05	<6.71E-05	<6.57E-05	<6.57E-05
T-403		<4.72E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05	<4.72E-05	<4.46E-05	0.00010	<4.42E-05	<4.81E-05	<4.71E-05	<4.71E-05
T-404		<9.76E-05	<9.96E-05	<1.00E-04	0.00024	<9.30E-05	<9.77E-05	<9.77E-05	<9.24E-05	<9.76E-05	<9.16E-05	<9.96E-05	<9.76E-05	<9.76E-05
T-405		<4.98E-05	<5.08E-05	<5.10E-05	0.00014	<4.74E-05	<4.98E-05	<4.98E-05	<4.71E-05	0.00012	<4.67E-05	0.00025	<4.97E-05	<4.97E-05
T-406		<6.22E-05	<6.35E-05	<6.37E-05	0.00014	<5.92E-05	<6.22E-05	<6.22E-05	<5.89E-05	<6.22E-05	<5.84E-05	<6.35E-05	<6.22E-05	<6.22E-05
T-407		0.00010	<4.66E-05	<4.67E-05	<4.67E-05	<4.35E-05	<4.57E-05	<4.56E-05	<4.32E-05	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05	<4.56E-05
T-408		0.00026	<5.43E-05	<5.45E-05	<5.45E-05	<5.07E-05	0.00012	<5.33E-05	<5.04E-05	<5.32E-05	<5.00E-05	<5.43E-05	<5.32E-05	0.00012
T-409		<5.20E-05	<5.30E-05	<5.32E-05	<5.32E-05	<4.95E-05	<5.20E-05	<5.20E-05	<4.92E-05	<5.19E-05	<4.87E-05	<5.30E-05	<5.19E-05	<5.19E-05
T-410		<4.50E-05	<4.59E-05	<4.61E-05	<4.61E-05	<4.28E-05	<4.50E-05	<4.50E-05	<4.26E-05	<4.50E-05	<4.22E-05	<4.59E-05	<4.50E-05	<4.50E-05
T-501		<5.07E-05	<5.18E-05	<5.20E-05	<5.20E-05	<4.83E-05	<5.08E-05	<5.08E-05	<4.80E-05	<5.07E-05	<4.76E-05	<5.18E-05	<5.07E-05	<5.07E-05
T-502		<5.38E-05	<5.49E-05	<5.52E-05	<5.52E-05	<5.13E-05	<5.39E-05	<5.39E-05	<5.10E-05	<5.38E-05	<5.05E-05	<5.49E-05	<5.38E-05	<5.38E-05
T-503		<5.00E-05	<5.11E-05	<5.13E-05	<5.13E-05	<4.77E-05	<5.01E-05	<5.01E-05	<4.74E-05	<5.00E-05	<4.70E-05	<5.11E-05	<5.00E-05	<5.00E-05
T-504		0.00012	<5.72E-05	<5.74E-05	<5.74E-05	<5.33E-05	<5.60E-05	<5.60E-05	<5.30E-05	<5.60E-05	<5.25E-05	<5.72E-05	<5.60E-05	<5.60E-05
T-505		<5.51E-05	<5.62E-05	<5.64E-05	<5.64E-05	<5.24E-05	<5.51E-05	<5.51E-05	<5.21E-05	<5.51E-05	<5.17E-05	<5.62E-05	<5.51E-05	<5.51E-05
T-506		0.00016	<5.28E-05	<5.30E-05	<5.30E-05	<4.92E-05	<5.17E-05	<5.17E-05	<4.89E-05	<5.17E-05	<4.85E-05	<5.28E-05	<5.17E-05	<5.17E-05
T-507		<5.77E-05	<5.89E-05	<5.91E-05	<5.91E-05	<5.50E-05	<5.78E-05	<5.77E-05	<5.46E-05	<5.77E-05	<5.42E-05	<5.89E-05	<5.77E-05	<5.77E-05
T-508		<6.87E-05	<7.02E-05	<7.04E-05	<7.04E-05	<6.55E-05	<6.88E-05	<6.88E-05	<6.51E-05	<6.87E-05	<6.45E-05	<7.02E-05	<6.87E-05	<6.87E-05
T-509		<4.88E-05	<4.98E-05	<5.00E-05	<5.00E-05	<4.65E-05	<4.89E-05	<4.88E-05	<4.62E-05	<4.88E-05	<4.58E-05	<4.98E-05	<4.88E-05	<4.88E-05
T-510		<5.00E-05	<5.11E-05	<5.13E-05	<5.13E-05	<4.76E-05	<5.01E-05	<5.01E-05	<4.74E-05	<5.00E-05	<4.69E-05	<5.11E-05	<5.00E-05	<5.00E-05
T-601		0.00015	<6.03E-05	<6.05E-05	<6.05E-05	<5.62E-05	<5.91E-05	<5.91E-05	<5.59E-05	<5.90E-05	<5.54E-05	<6.03E-05	<5.90E-05	<5.90E-05
T-602		<5.51E-05	<5.62E-05	<5.64E-05	<5.64E-05	<5.24E-05	<5.51E-05	<5.51E-05	<5.21E-05	<5.51E-05	<5.17E-05	0.00018	<5.51E-05	<5.51E-05
T-603		<6.86E-05	0.00070	<7.03E-05	<7.03E-05	<6.54E-05	<6.87E-05	<6.87E-05	<6.50E-05	<6.86E-05	<6.44E-05	<7.01E-05	<6.86E-05	<6.86E-05
T-604		<5.03E-05	<5.14E-05	<5.15E-05	<5.15E-05	<4.79E-05	<5.04E-05	<5.03E-05	<4.76E-05	<5.03E-05	<4.72E-05	<5.14E-05	<5.03E-05	<5.03E-05
T-605		<1.02E-04	0.00021	<1.04E-04	0.00031	<9.69E-05	<1.02E-04	<1.02E-04	<9.64E-05	0.00052	<9.55E-05	<1.04E-04	<1.02E-04	<1.02E-04
T-606		0.00016	<5.51E-05	<5.53E-05	<5.53E-05	<5.14E-05	<5.40E-05	<5.40E-05	<5.11E-05	<5.40E-05	<5.06E-05	<5.51E-05	<5.40E-05	<5.40E-05
T-607		<9.36E-05	0.00020	0.00020	0.00032	<8.92E-05	0.00034	0.00030	<8.86E-05	<9.36E-05	0.00018	<9.56E-05	0.00070	0.00021
T-608		<1.18E-04	0.00071	<1.20E-04	<1.20E-04	<1.12E-04	<1.18E-04	0.00034	<1.11E-04	<1.17E-04	<1.10E-04	0.00124	0.00045	0.00027
T-609		<1.08E-04	0.00069	<1.11E-04	<1.11E-04	0.00062	<1.08E-04	0.00033	<1.02E-04	<1.08E-04	<1.01E-04	0.00132	<1.08E-04	0.00037
T-610		<5.03E-05	<5.13E-05	<5.15E-05	<5.15E-05	<4.79E-05	<5.03E-05	<5.03E-05	<4.76E-05	<5.03E-05	<4.72E-05	<5.13E-05	<5.03E-05	<5.03E-05

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

Sample Number	CAS	n-Heptane	i-Propylbenzene	n-Octane	1,2,3-Trimethylbenzene	2,2,4-Trimethylpentane	Methylcyclopentane	Styrene	2,2-Dimethylbutane	c-2-Butene	3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene
	MW	142-82-5	98-82-8	111-65-9	526-73-8	540-84-1	96-37-7	100-42-5	75-83-2	590-18-1	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3
		100.2	120.2	114.2	120.2	114.2	84.2	104.2	86.2	56.1	114.2	114.2	114.2	170.3	70.1
T-101		<1.04E-04	<9.67E-05	<1.03E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.43E-05	<1.04E-04	<1.02E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.01E-04
T-102		<6.52E-05	<6.08E-05	<6.50E-05	<6.08E-05	<6.50E-05	<6.39E-05	<5.93E-05	<6.54E-05	<6.39E-05	<6.50E-05	<6.50E-05	<6.50E-05	<6.46E-05	<6.38E-05
T-103		<8.85E-05	<8.26E-05	<8.82E-05	<8.26E-05	<8.82E-05	<8.67E-05	<8.05E-05	<8.88E-05	<8.67E-05	<8.82E-05	<8.82E-05	<8.82E-05	<8.77E-05	<8.67E-05
T-104		<5.70E-05	0.00118	0.00034	<5.31E-05	<5.68E-05	<5.58E-05	0.00087	<5.72E-05	<5.58E-05	<5.68E-05	0.00015	0.00013	<5.65E-05	0.00012
T-105		<4.93E-05	<4.60E-05	<4.91E-05	<4.60E-05	<4.91E-05	<4.83E-05	<4.48E-05	<4.94E-05	<4.83E-05	<4.91E-05	<4.91E-05	<4.91E-05	<4.88E-05	<4.82E-05
T-106		<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05	<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05
T-107		<7.16E-05	<6.68E-05	<7.14E-05	0.00017	<7.14E-05	<7.02E-05	<6.51E-05	<7.19E-05	<7.01E-05	<7.14E-05	<7.14E-05	<7.14E-05	<7.10E-05	<7.01E-05
T-108		<1.72E-04	<1.60E-04	<1.71E-04	<1.60E-04	<1.71E-04	<1.69E-04	<1.56E-04	<1.73E-04	<1.68E-04	<1.71E-04	<1.71E-04	<1.71E-04	<1.70E-04	<1.68E-04
T-109		<5.36E-05	<5.00E-05	<5.34E-05	<5.00E-05	<5.34E-05	<5.25E-05	<4.87E-05	<5.38E-05	<5.25E-05	<5.34E-05	<5.34E-05	<5.34E-05	<5.31E-05	<5.25E-05
T-110		<4.83E-05	<4.51E-05	<4.82E-05	<4.51E-05	<4.82E-05	<4.74E-05	<4.40E-05	<4.85E-05	<4.73E-05	<4.82E-05	<4.82E-05	<4.82E-05	<4.79E-05	<4.73E-05
T-111		<3.24E-04	<3.02E-04	<3.23E-04	<3.02E-04	<3.23E-04	<3.17E-04	<2.95E-04	<3.25E-04	<3.17E-04	<3.23E-04	<3.23E-04	<3.23E-04	<3.21E-04	<3.17E-04
T-112		<6.19E-05	<5.77E-05	<6.17E-05	<5.77E-05	<6.17E-05	<6.07E-05	<5.63E-05	<6.21E-05	<6.06E-05	<6.17E-05	<6.17E-05	<6.17E-05	<6.13E-05	<6.06E-05
T-113		<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05	<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05
T-114		<4.91E-05	<4.58E-05	<4.90E-05	<4.58E-05	<4.90E-05	<4.81E-05	<4.47E-05	<4.93E-05	<4.81E-05	<4.90E-05	<4.90E-05	<4.90E-05	<4.87E-05	<4.81E-05
T-201		<5.56E-05	<5.18E-05	<5.54E-05	<5.18E-05	<5.54E-05	<5.45E-05	<5.06E-05	0.00013	<5.44E-05	<5.54E-05	<5.54E-05	<5.54E-05	<5.51E-05	<5.44E-05
T-202		<6.10E-05	<5.69E-05	<6.08E-05	<5.69E-05	<6.08E-05	<5.98E-05	<5.55E-05	<6.12E-05	<5.98E-05	<6.08E-05	<6.08E-05	<6.08E-05	<6.05E-05	<5.97E-05
T-203		<4.68E-05	<4.36E-05	<4.66E-05	<4.36E-05	<4.66E-05	<4.58E-05	<4.26E-05	<4.69E-05	<4.58E-05	<4.66E-05	<4.66E-05	<4.66E-05	<4.64E-05	<4.58E-05
T-204		<6.40E-05	<5.97E-05	<6.39E-05	<5.97E-05	<6.39E-05	<6.28E-05	<5.83E-05	<6.43E-05	<6.27E-05	<6.39E-05	<6.39E-05	<6.39E-05	<6.35E-05	<6.27E-05
T-205		<5.02E-05	<4.69E-05	<5.01E-05	0.00015	<5.01E-05	<4.92E-05	<4.57E-05	<5.04E-05	<4.92E-05	<5.01E-05	<5.01E-05	<5.01E-05	<4.98E-05	<4.92E-05
T-206		<7.74E-05	<7.23E-05	<7.72E-05	<7.23E-05	<7.72E-05	<7.59E-05	<7.05E-05	<7.77E-05	<7.59E-05	<7.72E-05	<7.72E-05	<7.72E-05	<7.68E-05	<7.59E-05
T-207		0.00011	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05	<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05
T-208		<5.12E-05	<4.78E-05	<5.11E-05	<4.78E-05	<5.11E-05	<5.02E-05	<4.66E-05	<5.14E-05	<5.02E-05	<5.11E-05	<5.11E-05	<5.11E-05	<5.08E-05	<5.02E-05
T-209		0.00024	<4.53E-05	0.00031	<4.53E-05	<4.84E-05	<4.76E-05	<4.42E-05	<4.87E-05	<4.76E-05	<4.84E-05	0.00027	0.00011	<4.81E-05	<4.76E-05
T-210		0.00016	<5.03E-05	<5.38E-05	<5.03E-05	<5.38E-05	<5.29E-05	<4.91E-05	<5.42E-05	<5.29E-05	<5.38E-05	<5.38E-05	<5.38E-05	<5.35E-05	<5.29E-05
T-211		0.00013	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05	<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05
T-212		<4.66E-05	<4.35E-05	<4.64E-05	0.00016	<4.64E-05	<4.57E-05	0.00015	<4.67E-05	<4.56E-05	0.00012	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05
T-213		<5.23E-05	<4.88E-05	<5.22E-05	0.00013	<5.22E-05	<5.13E-05	0.00011	<5.25E-05	<5.12E-05	<5.22E-05	<5.22E-05	<5.22E-05	<5.19E-05	<5.12E-05
T-214		<5.38E-05	<5.02E-05	<5.36E-05	<5.02E-05	<5.36E-05	<5.27E-05	<4.89E-05	<5.40E-05	<5.27E-05	<5.36E-05	<5.36E-05	<5.36E-05	<5.33E-05	<5.27E-05
T-301		0.00033	<7.96E-05	<8.51E-05	<7.96E-05	0.00049	<8.36E-05	<7.76E-05	<8.56E-05	0.00055	<8.51E-05	<8.51E-05	<8.51E-05	<8.46E-05	<8.35E-05
T-302		<4.72E-05	0.00013	<4.70E-05	<4.40E-05	0.00044	<4.62E-05	<4.29E-05	0.00021	0.00017	<4.70E-05	0.00016	<4.70E-05	<4.68E-05	<4.62E-05
T-303		<5.10E-05	<4.76E-05	<5.08E-05	<4.76E-05	<5.08E-05	<5.00E-05	<4.64E-05	<5.12E-05	<5.00E-05	<5.08E-05	<5.08E-05	<5.08E-05	<5.05E-05	<4.99E-05
T-304		<5.84E-05	<5.45E-05	<5.82E-05	<5.45E-05	<5.82E-05	0.00037	<5.31E-05	<5.86E-05	<5.72E-05	<5.82E-05	<5.82E-05	<5.82E-05	<5.79E-05	<5.72E-05
T-305		<8.95E-05	<8.35E-05	<8.92E-05	<8.35E-05	0.00027	0.00019	0.00031	<8.98E-05	<8.76E-05	0.00064	<8.92E-05	0.00019	0.00101	<8.76E-05
T-306		<1.91E-04	0.00078	0.00214	<1.78E-04	<1.90E-04	<1.87E-04	0.00040	<1.91E-04	<1.87E-04	<1.90E-04	<1.90E-04	<1.90E-04	<1.89E-04	<1.87E-04
T-307		<6.80E-05	<6.35E-05	<6.78E-05	<6.35E-05	0.00046	<6.67E-05	0.00015	0.00028	<6.66E-05	<6.78E-05	0.00018	<6.78E-05	<6.74E-05	<6.66E-05
T-308		<7.13E-05	<6.65E-05	<7.11E-05	<6.65E-05	<7.11E-05	<6.99E-05	<6.49E-05	<7.15E-05	<6.98E-05	<7.11E-05	<7.11E-05	<7.11E-05	<7.07E-05	<6.98E-05
T-309		<4.81E-05	<4.48E-05	<4.79E-05	<4.48E-05	<4.79E-05	<4.71E-05	<4.37E-05	<4.82E-05	<4.71E-05	<4.79E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.71E-05
T-310		<5.96E-05	<5.56E-05	<5.95E-05	<5.56E-05	0.00027	<5.85E-05	<5.43E-05	<5.99E-05	<5.84E-05	<5.95E-05	<5.95E-05	<5.95E-05	<5.91E-05	<5.84E-05
T-311		<6.93E-05	<6.46E-05	<6.91E-05	<6.46E-05	<6.91E-05	<6.79E-05	<6.30E-05	<6.95E-05	<6.79E-05	<6.91E-05	<6.91E-05	<6.91E-05	<6.87E-05	<6.78E-05
T-312		0.00067	0.00119	0.00122	0.00163	<5.36E-05	0.00066	<4.89E-05	0.00036	<5.26E-05	0.00029	0.00013	0.00048	<5.32E-05	<5.26E-05
T-313		<4.27E-05	<3.99E-05	<4.26E-05	<3.99E-05	<4.26E-05	<4.19E-05	<3.89E-05	<4.29E-05	<4.19E-05	<4.26E-05	<4.26E-05	<4.26E-05	<4.24E-05	<4.18E-05
T-314		<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.71E-05	<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05
T-401		<7.82E-05	<7.30E-05	<7.80E-05	0.00039	<7.80E-05	<7.67E-05	<7.12E-05	<7.85E-05	<7.66E-05	<7.80E-05	<7.80E-05	<7.80E-05	<7.76E-05	<7.66E-05
T-402		<6.71E-05	<6.26E-05	<6.69E-05	<6.26E-05	0.00017	<6.58E-05	<6.11E-05	<6.74E-05	<6.58E-05	<6.69E-05	<6.69E-05	<6.69E-05	<6.66E-05	<6.57E-05
T-403		<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.72E-05	<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05
T-404		<9.96E-05	<9.30E-05	<9.94E-05	<9.30E-05	<9.94E-05	<9.77E-05	<9.07E-05	<1.00E-04	<9.76E-05	<9.94E-05	<9.94E-05	<9.94E-05	<9.88E-05	<9.76E-05
T-405		<5.08E-05	<4.74E-05	<5.07E-05	<4.74E-05	<5.07E-05	<4.98E-05	<4.62E-05	<5.10E-05	<4.98E-05	<5.07E-05	<5.07E-05	<5.07E-05	<5.04E-05	<4.97E-05
T-406		<6.35E-05	<5.92E-05	<6.33E-05	<5.92E-05	<6.33E-05	<6.22E-05	<5.78E-05	<6.37E-05	<6.22E-05	<6.33E-05	<6.33E-05	<6.33E-05	<6.29E-05	<6.22E-05
T-407		<4.66E-05	<4.35E-05	<4.64E-05	<4.35E-05	<4.64E-05	<4.57E-05	<4.24E-05	<4.67E-05	<4.56E-05	<4.64E-05	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05
T-408		<5.43E-05	<5.07E-05	<5.42E-05	<5.07E-05	<5.42E-05	<5.33E-05	<4.95E-05	<5.45E-05	<5.33E-05	<5.42E-05	<5.42E-05	<5.42E-05	<5.39E-05	<5.32E-05
T-409		<5.30E-05	<4.95E-05	<5.29E-05	<4.95E-05	<5.29E-05	<5.20E-05	<4.82E-05	<5.32E-05	<5.20E-05	<5.29E-05	<5.29E-05	<5.29E-05	<5.26E-05	<5.19E-05
T-410		<4.59E-05	<4.28E-05	<4.58E-05	<4.28E-05	<4.58E-05	<4.50E-05	<4.18E-05	<4.61E-05	<4.50E-05	<4.58E-05	<4.58E-05	<4.58E-05	<4.55E-05	<4.50E-05
T-501		<5.18E-05	<4.83E-05	<5.16E-05	<4.83E-05	<5.16E-05	<5.08E-05	<4.71E-05	<5.20E-05	<5.07E-05	<5.16E-05	<5.16E-05	<5.16E-05	<5.13E-05	<5.07E-05
T-502		<5.49E-05	<5.13E-05	<5.48E-05	<5.13E-05	<5.48E-05	<5.39E-05	<5.00E-05	<5.52E-05	<5.38E-05	<5.48E-05	<5.48E-05	<5.48E-05	<5.45E-05	<5.38E-05
T-503		<5.11E-05	<4.77E-05	<5.09E-05	<4.77E-05	<5.09E-05	<5.01E-05	<4.65E-05	<5.13E-05	<5.00E-05	<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05
T-504		<5.72E-05	<5.33E-05	<5.70E-05	<5.33E-05	<5.70E-05	<5.60E-05	<5.20E-05	<5.74E-05	<5.60E-05	<5.70E-05	<5.70E-05	<5.70E-05	<5.67E-05	<5.60E-05
T-505		<5.62E-05	<5.24E-05	<5.61E-05	<5.24E-05	<5.61E-05	<5.51E-05	<5.11E-05	<5.64E-05	<5.51E-05	<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05
T-506		<5.28E-05	<4.92E-05	<5.26E-05	<4.92E-05	<5.26E-05	<5.17E-05	<4.80E-05	<5.30E-05	<5.17E-05	<5.26E-05	<5.26E-05	<5.26E-05	<5.23E-05	<5.17E-05
T-507		<5.89E-05	<5.50E-05	<5.88E-05	0.00012	<5.88E-05	<5.78E-05	<5.36E-05	<5.91E-05	<5.77E-05	<5.88E-05	<5.88E-05	<5.88E-05	<5.84E-05	<5.77E-05
T-508		<7.02E-05	<6.55E-05	<7.00E-05	<6.55E-05	<7.00E-05	<6.88E-05	<6.38E-05	<7.04E-05	<6.87E-05	<7.00E-05	<7.00E-05	<7.00E-05	<6.96E-05	<6.87E-05
T-509		<4.98E-05	<4.65E-05	<4.97E-05	<4.65E-05	<4.97E-05	<4.89E-05	<4.53E-05	<5.00E-05	<4.88E-05	<4.97E-05	<4.97E-05	<4.97E-05	<4.94E-05	<4.88E-05
T-510		<5.11E-05	<4.76E-05	<5.09E-05	<4.76E-05	<5.09E-05	<5.01E-05	<4.65E-05	<5.13E-05	<5.00E-05	<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05
T-601		<6.03E-05	<5.62E-05	<6.01E-05	<5.62E-05	<6.01E-05	<5.91E-05	<5.48E-05	<6.05E-05	<5.90E-05	<6.01E-05	<6.01E-05	<6.01E-05	<5.97E-05	<5.90E-05
T-602		<5.62E-05	<5.24E-05	<5.61E-05	<5.24E-05	<5.61E-05	<5.51E-05	<5.12E-05	<5.64E-05	<5.51E-05	<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05
T-603		0.00044	<6.54E-05	<6.99E-05	<6.54E-05	<6.99E-05	0.00021	<6.38E-05	<7.03E-05	<6.86E-05	0.00026	<6.99E-05	<6.99E-05	0.00019	<6.86E-05
T-604		<5.14E-05	<4.79E-05	<5.12E-05	<4.79E-05	<5.12E-05	<5.04E-05	<4.67E-05	<5.15E-05	<5.03E-05	<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05
T-605		<1.04E-04	<9.69E-05	<1.04E-04	<9.69E-05	0.00023	<1.02E-04	<9.45E-05	<1.04E-04	<1.02E-04	<1.04E-04	<1.04E-04	<1.04E-04	<1.03E-04	<1.02E-04
T-606		<5.51E-05	<5.14E-05	<5.49E-05	<5.14E-05	<5.49E-05	<5.40E-05	<5.01E-05	<5.53E-05	<5.40E-05	<5.49E-05	<5.49E-05	<5.49E-05	<5.46E-05	<5.40E-05
T-607		<9.56E-05	<8.92E-05	<9.53E-05	<8.92E-05	0.00026	<9.37E-05	<8.70E-05	<9.59E-05	<9.36E-05	<9.53E-05	<9.53E-05	<9.53E-05	<9.48E-05	<9.36E-05
T-608		0.00053	<1.12E-04	<1.20E-04	<1.12E-04	0.00029	<1.18E-04	<1.09E-04	<1.20E-04	<1.18E-04	<1.20E-04	<1.20E-04	<1.20E-04	<1.19E-04	<1.17E-04
T-609		0.00054	0.00032	<1.10E-04	<1.03E-04	0.00023	<1.08E-04	<1.00E-04	<1.11E-04	<1.08E-04	<1.10E-04	<1.10E-04	<1.10E-04	<1.09E-04	<1.08E-04
T-610		<5.13E-05	<4.79E-05	<5.12E-05	<4.79E-05	<5.12E-05	<5.03E-05	<4.67E-05	<5.15E-05	<5.03E-05	<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05

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

Sample Number		Total Reduced Sulfurs	Hydrogen Sulfide	Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	Iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene	Bromothiophene	Thiophenol	Diethyl Disulfide
	CAS		7783-06-4		463-58-1	74-93-1	75-08-1	75-18-3	75-15-0	75-33-2	75-66-1	107-03-9	624-89-5	513-53-1	513-44-0	352-93-2	109-79-5	624-92-0	554-14-3	616-44-4	110-01-0	1003-09-4	108-98-5	110-81-6
	MW	34.08	34.08	34.08	60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17	163.04	110.18	122.252
S- 101 a		<3.08E-04	<3.08E-04	<3.08E-04	<5.44E-04	<4.35E-04	<5.62E-04	<5.62E-04	<6.89E-04	<6.89E-04	<8.16E-04	<6.89E-04	<6.89E-04	<8.16E-04	<8.16E-04	<8.16E-04	<8.16E-04	<8.52E-04	<8.88E-04	<8.88E-04	<7.98E-04	<1.48E-03	<9.97E-04	<1.11E-03
S- 102 a		<1.94E-04	<1.94E-04	<1.94E-04	<3.42E-04	<2.74E-04	<3.54E-04	<3.54E-04	<4.33E-04	<4.33E-04	<5.13E-04	<4.33E-04	<4.33E-04	<5.13E-04	<5.13E-04	<5.13E-04	<5.13E-04	<5.36E-04	<5.59E-04	<5.59E-04	<5.02E-04	<9.28E-04	<6.27E-04	<6.96E-04
S- 103 a		<2.63E-04	<2.63E-04	<2.63E-04	<4.64E-04	<3.72E-04	<4.80E-04	<4.80E-04	<5.88E-04	<5.88E-04	<6.97E-04	<5.88E-04	<5.88E-04	<6.97E-04	<6.97E-04	<6.97E-04	<6.97E-04	<7.28E-04	<7.58E-04	<7.59E-04	<6.81E-04	<1.26E-03	<8.51E-04	<9.45E-04
S- 104 a		<1.70E-04	<1.70E-04	<1.70E-04	<2.99E-04	<2.39E-04	<3.09E-04	<3.09E-04	<3.79E-04	<3.79E-04	<4.49E-04	<3.79E-04	<3.79E-04	<4.49E-04	<4.49E-04	<4.49E-04	<4.49E-04	<4.69E-04	<4.88E-04	<4.88E-04	<4.39E-04	<8.11E-04	<5.48E-04	<6.08E-04
S- 105 a		<1.47E-04	<1.47E-04	<1.47E-04	<2.58E-04	<2.07E-04	<2.67E-04	<2.67E-04	<3.28E-04	<3.28E-04	<3.88E-04	<3.28E-04	<3.28E-04	<3.88E-04	<3.88E-04	<3.88E-04	<3.88E-04	<4.05E-04	<4.22E-04	<4.22E-04	<3.79E-04	<7.01E-04	<4.74E-04	<5.26E-04
S- 106 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.85E-04	<2.28E-04	<2.94E-04	<2.94E-04	<3.61E-04	<3.61E-04	<4.27E-04	<3.61E-04	<3.61E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.46E-04	<4.65E-04	<4.65E-04	<4.18E-04	<7.72E-04	<5.22E-04	<5.79E-04
S- 107 a		<2.13E-04	<2.13E-04	<2.13E-04	<3.76E-04	<3.01E-04	<3.88E-04	<3.88E-04	<4.76E-04	<4.76E-04	<5.64E-04	<4.76E-04	<4.76E-04	<5.64E-04	<5.64E-04	<5.64E-04	<5.64E-04	<5.89E-04	<6.14E-04	<6.14E-04	<5.51E-04	<1.02E-03	<6.89E-04	<7.64E-04
S- 108 a		<5.12E-04	<5.12E-04	<5.12E-04	<9.02E-04	<7.22E-04	<9.33E-04	<9.33E-04	<1.14E-03	<1.14E-03	<1.35E-03	<1.14E-03	<1.14E-03	<1.35E-03	<1.35E-03	<1.35E-03	<1.35E-03	<1.41E-03	<1.47E-03	<1.47E-03	<1.32E-03	<2.45E-03	<1.65E-03	<1.84E-03
S- 109 a		<1.59E-04	<1.59E-04	<1.59E-04	<2.81E-04	<2.25E-04	<2.91E-04	<2.91E-04	<3.56E-04	<3.56E-04	<4.22E-04	<3.56E-04	<3.56E-04	<4.22E-04	<4.22E-04	<4.22E-04	<4.22E-04	<4.41E-04	<4.59E-04	<4.59E-04	<4.12E-04	<7.63E-04	<5.15E-04	<5.72E-04
S- 110 a		<1.44E-04	<1.44E-04	<1.44E-04	<2.53E-04	<2.03E-04	<2.62E-04	<2.62E-04	<3.21E-04	<3.21E-04	<3.80E-04	<3.21E-04	<3.21E-04	<3.80E-04	<3.80E-04	<3.80E-04	<3.80E-04	<3.97E-04	<4.14E-04	<4.14E-04	<3.72E-04	<6.88E-04	<4.65E-04	<5.16E-04
S- 111 a		<9.64E-04	<9.64E-04	<9.64E-04	<1.70E-03	<1.36E-03	<1.76E-03	<1.76E-03	<2.15E-03	<2.15E-03	<2.55E-03	<2.15E-03	<2.15E-03	<2.55E-03	<2.55E-03	<2.55E-03	<2.55E-03	<2.66E-03	<2.78E-03	<2.78E-03	<2.49E-03	<4.61E-03	<3.12E-03	<3.46E-03
S- 112 a		<1.84E-04	<1.84E-04	<1.84E-04	<3.25E-04	<2.60E-04	<3.36E-04	<3.36E-04	<4.11E-04	<4.12E-04	<4.87E-04	<4.12E-04	<4.12E-04	<4.87E-04	<4.87E-04	<4.87E-04	<4.87E-04	<5.09E-04	<5.30E-04	<5.30E-04	<4.76E-04	<8.81E-04	<5.95E-04	<6.61E-04
S- 113 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.85E-04	<2.28E-04	<2.94E-04	<2.94E-04	<3.61E-04	<3.61E-04	<4.27E-04	<3.61E-04	<3.61E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.46E-04	<4.65E-04	<4.65E-04	<4.18E-04	<7.72E-04	<5.22E-04	<5.79E-04
S- 114 a		<1.46E-04	<1.46E-04	<1.46E-04	<2.58E-04	<2.06E-04	<2.66E-04	<2.66E-04	<3.27E-04	<3.27E-04	<3.87E-04	<3.27E-04	<3.27E-04	<3.87E-04	<3.87E-04	<3.87E-04	<3.87E-04	<4.04E-04	<4.21E-04	<4.21E-04	<3.78E-04	<6.99E-04	<4.73E-04	<5.24E-04
S- 201 a		0.00073	0.00073	<1.65E-04	<2.91E-04	<2.33E-04	<3.01E-04	<3.01E-04	<3.69E-04	<3.69E-04	<4.38E-04	<3.69E-04	<3.69E-04	<4.38E-04	<4.38E-04	<4.38E-04	<4.38E-04	<4.57E-04	<4.76E-04	<4.76E-04	<4.28E-04	<7.91E-04	<5.35E-04	<5.93E-04
S- 202 a		0.00036	0.00036	<1.82E-04	<3.20E-04	<2.56E-04	<3.31E-04	<3.31E-04	<4.06E-04	<4.06E-04	<4.80E-04	<4.06E-04	<4.06E-04	<4.80E-04	<4.80E-04	<4.80E-04	<4.80E-04	<5.02E-04	<5.23E-04	<5.23E-04	<4.70E-04	<8.68E-04	<5.87E-04	<6.51E-04
S- 203 a		0.00028	<1.39E-04	0.00028	<2.45E-04	<1.96E-04	<2.54E-04	<2.54E-04	<3.11E-04	<3.11E-04	<3.68E-04	<3.11E-04	<3.11E-04	<3.68E-04	<3.68E-04	<3.68E-04	<3.68E-04	<3.85E-04	<4.01E-04	<4.01E-04	<3.60E-04	<6.66E-04	<4.50E-04	<4.99E-04
S- 204 a		<1.91E-04	<1.91E-04	<1.91E-04	<3.36E-04	<2.69E-04	<3.47E-04	<3.47E-04	<4.26E-04	<4.26E-04	<5.04E-04	<4.26E-04	<4.26E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.27E-04	<5.49E-04	<5.49E-04	<4.93E-04	<9.12E-04	<6.16E-04	<6.84E-04
S- 205 a		<1.49E-04	<1.49E-04	<1.49E-04	<2.64E-04	<2.11E-04	<2.73E-04	<2.73E-04	<3.34E-04	<3.34E-04	<3.96E-04	<3.34E-04	<3.34E-04	<3.96E-04	<3.96E-04	<3.96E-04	<3.96E-04	<4.13E-04	<4.31E-04	<4.31E-04	<3.87E-04	<7.15E-04	<4.83E-04	<5.36E-04
S- 206 a		<2.30E-04	<2.30E-04	<2.30E-04	<4.06E-04	<3.25E-04	<4.20E-04	<4.20E-04	<5.15E-04	<5.15E-04	<6.10E-04	<5.15E-04	<5.15E-04	<6.10E-04	<6.10E-04	<6.10E-04	<6.10E-04	<6.37E-04	<6.64E-04	<6.64E-04	<5.96E-04	<1.10E-03	<7.45E-04	<8.27E-04
S- 207 a		<1.50E-04	<1.50E-04	<1.50E-04	<2.65E-04	<2.12E-04	<2.74E-04	<2.74E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.98E-04	<3.98E-04	<3.98E-04	<4.15E-04	<4.33E-04	<4.33E-04	<3.89E-04	<7.19E-04	<4.86E-04	<5.39E-04
S- 208 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.69E-04	<2.15E-04	<2.78E-04	<2.78E-04	<3.41E-04	<3.41E-04	<4.03E-04	<3.41E-04	<3.41E-04	<4.03E-04	<4.03E-04	<4.03E-04	<4.03E-04	<4.21E-04	<4.39E-04	<4.39E-04	<3.94E-04	<7.29E-04	<4.93E-04	<5.47E-04
S- 209 a		<1.44E-04	<1.44E-04	<1.44E-04	<2.55E-04	<2.04E-04	<2.63E-04	<2.63E-04	<3.23E-04	<3.23E-04	<3.82E-04	<3.23E-04	<3.23E-04	<3.82E-04	<3.82E-04	<3.82E-04	<3.82E-04	<3.99E-04	<4.16E-04	<4.16E-04	<3.74E-04	<6.91E-04	<4.67E-04	<5.18E-04
S- 210 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.83E-04	<2.27E-04	<2.93E-04	<2.93E-04	<3.59E-04	<3.59E-04	<4.25E-04	<3.59E-04	<3.59E-04	<4.25E-04	<4.25E-04	<4.25E-04	<4.25E-04	<4.44E-04	<4.63E-04	<4.63E-04	<4.15E-04	<7.68E-04	<5.19E-04	<5.76E-04
S- 211 a		<1.50E-04	<1.50E-04	<1.50E-04	<2.65E-04	<2.12E-04	<2.74E-04	<2.74E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.98E-04	<3.98E-04	<3.98E-04	<4.16E-04	<4.33E-04	<4.33E-04	<3.89E-04	<7.19E-04	<4.86E-04	<5.39E-04
S- 212 a		<1.39E-04	<1.39E-04	<1.39E-04	<2.44E-04	<1.96E-04	<2.53E-04	<2.53E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.83E-04	<3.99E-04	<3.99E-04	<3.59E-04	<6.63E-04	<4.48E-04	<4.97E-04
S- 213 a		<1.56E-04	<1.56E-04	<1.56E-04	<2.74E-04	<2.20E-04	<2.84E-04	<2.84E-04	<3.48E-04	<3.48E-04	<4.12E-04	<3.48E-04	<3.48E-04	<4.12E-04	<4.12E-04	<4.12E-04	<4.12E-04	<4.30E-04	<4.48E-04	<4.48E-04	<4.03E-04	<7.45E-04	<5.03E-04	<5.58E-04
S- 214 a		<1.60E-04	<1.60E-04	<1.60E-04	<2.82E-04	<2.26E-04	<2.92E-04	<2.92E-04	<3.58E-04	<3.58E-04	<4.24E-04	<3.58E-04	<3.58E-04	<4.24E-04	<4.24E-04	<4.24E-04	<4.24E-04	<4.42E-04	<4.61E-04	<4.61E-04	<4.14E-04	<7.66E-04	<5.18E-04	<5.74E-04
S- 301 a		<2.54E-04	<2.54E-04	<2.54E-04	<4.47E-04	<3.58E-04	<4.63E-04	<4.63E-04	<5.67E-04	<5.67E-04	<6.72E-04	<5.67E-04	<5.67E-04	<6.72E-04	<6.72E-04	<6.72E-04	<6.72E-04	<7.02E-04	<7.31E-04	<7.31E-04	<6.57E-04	<1.21E-03	<8.21E-04	<9.11E-04
S- 302 a		<1.40E-04	<1.40E-04	<1.40E-04	<2.47E-04	<1.98E-04	<2.56E-04	<2.56E-04	<3.14E-04	<3.14E-04	<3.72E-04	<3.14E-04	<3.14E-04	<3.72E-04	<3.72E-04	<3.72E-04	<3.72E-04	<3.88E-04	<4.04E-04	<4.04E-04	<3.63E-04	<6.72E-04	<4.54E-04	<5.04E-04
S- 303 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.67E-04	<2.14E-04	<2.77E-04	<2.77E-04	<3.39E-04	<3.39E-04	<4.02E-04	<3.39E-04	<3.39E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.19E-04	<4.37E-04	<4.37E-04	<3.93E-04	<7.26E-04	<4.91E-04	<5.44E-04
S- 304 a		<1.74E-04	<1.74E-04	<1.74E-04	<3.06E-04	<2.45E-04	<3.17E-04	<3.17E-04	<3.88E-04	<3.88E-04	<4.60E-04	<3.88E-04	<3.88E-04	<4.60E-04	<4.60E-04	<4.60E-04	<4.60E-04	<4.80E-04	<5.00E-04	<5.00E-04	<4.49E-04	<8.31E-04	<5.62E-04	<6.23E-04
S- 305 a		<2.66E-04	<2.66E-04	<2.66E-04	<4.69E-04	<3.76E-04	<4.85E-04	<4.85E-04	<5.95E-04	<5.95E-04	<7.04E-04	<5.95E-04	<5.95E-04	<7.04E-04	<7.04E-04	<7.05E-04	<7.04E-04	<7.36E-04	<7.67E-04	<7.67E-04	<6.89E-04	<1.27E-03	<8.61E-04	<9.55E-04
S- 306 a		<5.67E-04	<5.67E-04	<5.67E-04	<1.00E-03	<8.01E-04	<1.03E-03	<1.03E-03	<1.27E-03	<1.27E-03	<1.50E-03	<1.27E-03	<1.27E-03	<1.50E-03	<1.50E-03	<1.50E-03	<1.50E-03	<1.57E-03	<1.63E-03	<1.63E-03	<1.47E-03	<2.71E-03	<1.83E-03	<2.04E-03
S- 307 a		<2.02E-04	<2.02E-04	<2.02E-04	<3.57E-04	<2.86E-04	<3.69E-04	<3.69E-04	<4.52E-04	<4.52E-04	<5.36E-04	<4.52E-04	<4.52E-04	<5.36E-04	<5.36E-04	<5.36E-04	<5.36E-04	<5.59E-04	<5.83E-04	<5.83E-04	<5.24E-04	<9.68E-04	<6.54E-04	<7.26E-04
S- 308 a		<2.12E-04	<2.12E-04	<2.12E-04	<3.74E-04	<2.99E-04	<3.87E-04	<3.87E-04	<4.74E-04	<4.74E-04	<5.61E-04	<4.74E-04	<4.74E-04	<5.61E-04	<5.61E-04	<5.61E-04	<5.61E-04	<5.86E-04	<6.11E-04	<6.11E-04	<5.49E-04	<1.01E-03	<6.86E-04	<7.61E-04
S- 309 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.78E-04	<3.20E-04	<3.20E-04	<3.78E-04	<3.78E-04	<3.79E-04	<3.78E-04	<3.95E-04	<4.12E-04	<4.12E-04	<3.70E-04	<6.84E-04	<4.62E-04	<5.13E-04
S- 310 a		<1.77E-04	<1.77E-04	<1.77E-04	<3.13E-04	<2.51E-04	<3.24E-04	<3.24E-04	<3.97E-04	<3.97E-04	<4.70E-04	<3.97E-04	<3.97E-04	<4.70E-04	<4.70E-04	<4.70E-04	<4.70E-04	<4.91E-04	<5.11E-04	<5.11E-04	<4.59E-04	<8.49E-04	<5.74E-04	<6.37E-04
S- 311 a		<2.06E-04	<2.06E-04	<2.06E-04	<3.63E-04	<2.91E-04	<3.76E-04	<3.76E-04	<4.61E-04	<4.61E-04	<5.46E-04	<4.61E-04	<4.61E-04	<5.46E-04	<5.46E-04	<5.46E-04	<5.46E-04	<5.70E-04	<5.94E-04	<5.94E-04	<5.33E-04	<9.86E-04	<6.66E-04	<7.39E-04
S- 312 a		<1.60E-04	<1.60E-04	<1.60E-04	<2.82E-04	<2.26E-04	<2.91E-04	<2.91E-04	<3.57E-04	<3.57E-04	<4.23E-04	<3.57E-04	<3.57E-04	<4.23E-04	<4.23E-04	<4.23E-04	<4.23E-04	<4.42E-04	<4.60E-04	<4.60E-04	<4.14E-04	<7.65E-04	<5.17E-04	<5.73E-04
S- 313 a		<1.27E-04	<1.27E-04	<1.27E-04	<2.24E-04	<1.80E-04	<2.32E-04	<2.32E-04	<2.84E-04	<2.84E-04	<3.37E-04	<2.84E-04	<2.84E-04	<3.37E-04	<3.37E-04	<3.37E-04	<3.37E-04	<3.51E-04	<3.66E-04	<3.66E-04	<3.29E-04	<6.08E-04	<4.11E-04	<4.56E-04
S- 314 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.96E-04	<4.12E-04	<4.13E-04	<3.70E-04	<6.85E-04	<4.63E-04	<5.14E-04
S- 401 a		<2.33E-04	<2.33E-04	<2.33E-04	<4.10E-04	<3.29E-04	<4.24E-04	<4.24E-04	<5.20E-04	<5.20E-04	<6.16E-04	<5.20E-04	<5.20E-04	<6.16E-04	<6.16E-04	<6.16E-04	<6.16E-04	<6.43E-04	<6.71E-04	<6.71E-04	<6.02E-04	<1.11E-03	<7.53E-04	<8.35E-04
S- 402 a		<2.00E-04	<2.00E-04	<2.00E-04	<3.52E-04	<2.82E-04	<3.64E-04	<3.64E-04	<4.46E-04	<4.46E-04	<5.29E-04	<4.46E-04	<4.46E-04	<5.29E-04	<5.29E-04	<5.29E-04	<5.29E-04	<5.52E-04	<5.75E-04	<5.75E-04	<5.17E-04	<9.56E-04	<6.46E-04	<7.17E-04
S- 403 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.96E-04	<4.13E-04	<4.13E-04	<3.71E-04	<6.85E-04	<4.63E-04	<5.14E-04
S- 404 a		<2.97E-04	<2.97E-04	<2.97E-04	<5.23E-04	<4.19E-04	<5.41E-04	<5.41E-04	<6.63E-04	<6.63E-04	<7.85E-04	<6.63E-04	<6.63E-04	<7.85E-04	<7.85E-04	<7.85E-04	<7.85E-04	<8.20E-04	<8.54E-04	<8.54E-04	<7.67E-04	<1.42E-03	<9.59E-04	<1.06E-03
S- 405 a		<1.51E-04	<1.51E-04	<1.51E-04	<2.66E-04	<2.13E-04	<2.76E-04	<2.76E-04	<3.38E-04	<3.38E-04	<4.00E-04	<3.38E-04	<3.38E-04	<4.00E-04	<4.00E-04	<4.00E-04	<4.00E-04	<4.18E-04	<4.35E-04	<4.35E-04	<3.91E-04	<7.23E-04	<4.89E-04	<5.42E-04
S- 406 a		<1.89E-04	<1.89E-04	<1.89E-04	<3.33E-04	<2.67E-04	<3.44E-04	<3.44E-04	<4.22E-04	<4.22E-04	<5.00E-04	<4.22E-04	<4.22E-04	<5.00E-04	<5.00E-04	<5.00E-04	<5.00E-04	<5.22E-04	<5.44E-04	<5.44E-04	<4.89E-04	<9.04E-04	<6.11E-04	<6.78E-04
S- 407 a		<1.39E-04	<1.39E-04	<1.39E-04	<2.44E-04	<1.96E-04	<2.53E-04	<2.53E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.83E-04	<3.99E-04	<3.99E-04	<3.59E-04	<6.63E-04	<4.48E-04	<4.97E-04
S- 408 a		<1.62E-04	<1.62E-04	<1.62E-04	<2.85E-04	<2.28E-04	<2.95E-04	<2.95E-04	<3.61E-04	<3.61E-04	<4.28E-04	<3.61E-04	<3.61E-04	<4.28E-04	<4.28E-04	<4.28E-04	<4.28E-04	<4.47E-04	<4.66E-04	<4.66E-04	<4.18E-04	<7.74E-04	<5.23E-04	<5.80E-04
S- 409 a		<1.58E-04	<1.58E-04	<1.58E-04	<2.78E-04	<2.23E-04	<2.88E-04	<2.88E-04	<3.53E-04	<3.53E-04	<4.18E-04	<3.53E-04	<3.53E-04	<4.18E-04	<4.18E-04	<4.18E-04	<4.18E-04	<4.36E-04	<4.54E-04	<4.55E-04	<4.08E-04	<7.55E-04	<5.10E-04	<5.66E-04
S- 410 a		<1.37E-04	<1.37E-04	<1.37E-04	<2.41E-04	<1.93E-04	<2.49E-04	<2.49E-04	<3.05E-04	<3.05E-04	<3.62E-04	<3.05E-04	<3.05E-04	<3.62E-04	<3.62E-04	<3.62E-04	<3.62E-04	<3.78E-04	<3.94E-04	<3.94E-04	<3.53E-04	<6.54E-04	<4.42E-04	<4.90E-04
S- 501 a		<1.54E-04	<1.54E-04	<1.54E-04	<2.72E-04	<2.18E-04	<2.81E-04	<2.81E-04	<3.44E-04	<3.44E-04	<4.08E-04	<3.44E-04	<3.44E-04	<4.08E-04	<4.08E-04	<4.08E-04	<4.08E-04	<4.26E-04	<4.44E-04	<4.44E-04	<3.99E-04	<7.37E-04	<4.98E-04	<5.53E-04
S- 502 a		<1.64E-04	<1.64E-04	<1.64E-04	<2.88E-04	<2.31E-04	<2.98E-04	<2.98E-04	<3.65E-04	<3.65E-04	<4.33E-04	<3.65E-04	<3.65E-04	<4.33E-04	<4.33E-04	<4.33E-04	<4.33E-04	<4.52E-04	<4.71E-04	<4.71E-04	<4.23E-04	<7.82E-04	<5.29E-04	<5.87E-04
S- 503 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.68E-04	<2.15E-04	<2.77E-04	<2.77E-04	<3.40E-04	<3.40E-04	<4.02E-04	<3.40E-04	<3.40E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.20E-04	<4.38E-04	<4.38E-04	<3.93E-04	<7.27E-04	<4.91E-04	<5.45E-04
S- 504 a		<1.70E-04	<1.70E-04	<1.70E-04	<3.00E-04	<2.40E-04	<3.10E-04	<3.10E-04	<3.80E-04	<3.80E-04	<4.50E-04	<3.80E-04	<3.80E-04	<4.50E-04	<4.50E-04	<4.50E-04	<4.50E-04	<4.70E-04	<4.90E-04	<4.90E-04	<4.40E-04	<8.14E-04	<5.50E-04	<6.10E-04
S- 505 a		<1.67E-04	<1.67E-04	<1.67E-04	<2.95E-04	<2.36E-04	<3.05E-04	<3.05E-04	<3.74E-04	<3.74E-04	<4.43E-04	<3.74E-04	<3.74E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.62E-04	<4.82E-04	<4.82E-04	<4.33E-04	<8.00E-04	<5.41E-04	<6.00E-04
S- 506 a		<1.57E-04	<1.57E-04	<1.57E-04	<2.77E-04	<2.22E-04	<2.86E-04	<2.86E-04	<3.51E-04	<3.51E-04	<4.16E-04	<3.51E-04	<3.51E-04	<4.16E-04	<4.16E-04	<4.16E-04	<4.16E-04	<4.34E-04	<4.52E-04	<4.52E-04	<4.06E-04	<7.51E-04	<5.08E-04	<5.63E-04
S- 507 a		<1.75E-04	<1.75E-04	<1.75E-04	<3.09E-04	<2.48E-04	<3.20E-04	<3.20E-04	<3.92E-04	<3.92E-04	<4.64E-04	<3.92E-04	<3.92E-04	<4.64E-04	<4.64E-04	<4.64E-04	<4.64E-04	<4.85E-04	<5.05E-04	<5.05E-04	<4.54E-04	<8.39E-04	<5.67E-04	<6.29E-04
S- 508 a		<2.09E-04	<2.09E-04	<2.09E-04	<3.68E-04	<2.95E-04	<3.81E-04	<3.81E-04	<4.66E-04	<4.67E-04	<5.52E-04	<4.67E-04	<4.67E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.77E-04	<6.01E-04	<6.01E-04	<5.40E-04	<9.99E-04	<6.75E-04	<7.49E-04
S- 509 a		<1.48E-04	<1.48E-04	<1.48E-04	<2.61E-04	<2.09E-04	<2.70E-04	<2.70E-04	<3.31E-04	<3.31E-04	<3.92E-04	<3.31E-04	<3.31E-04	<3.92E-04	<3.92E-04	<3.93E-04	<3.92E-04	<4.10E-04	<4.27E-04	<4.27E-04	<3.84E-04	<7.10E-04	<4.80E-04	<5.32E-04
S- 510 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.68E-04	<2.15E-04	<2.77E-04	<2.77E-04	<3.40E-04	<3.40E-04	<4.02E-04	<3.40E-04	<3.40E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.20E-04	<4.38E-04	<4.38E-04	<3.93E-04	<7.27E-04	<4.91E-04	<5.45E-04
S- 601 a		<1.79E-04	<1.79E-04	<1.79E-04	<3.16E-04	<2.53E-04	<3.27E-04	<3.27E-04	<4.01E-04	<4.01E-04	<4.75E-04	<4.01E-04	<4.01E-04	<4.75E-04	<4.75E-04	<4.75E-04	<4.75E-04	<4.96E-04	<5.16E-04	<5.17E-04	<4.64E-04	<8.58E-04	<5.80E-04	<6.43E-04
S- 602 a		<1.67E-04	<1.67E-04	<1.67E-04	<2.95E-04	<2.36E-04	<3.05E-04	<3.05E-04	<3.74E-04	<3.74E-04	<4.43E-04	<3.74E-04	<3.74E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.62E-04	<4.82E-04	<4.82E-04	<4.33E-04	<8.00E-04	<5.41E-04	<6.00E-04
S- 603 a		<2.09E-04	<2.09E-04	<2.09E-04	<3.68E-04	<2.94E-04	<3.80E-04	<3.80E-04	<4.66E-04	<4.66E-04	<5.52E-04	<4.66E-04	<4.66E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.76E-04	<6.01E-04	<6.01E-04	<5.39E-04	<9.98E-04	<6.74E-04	<7.48E-04
S- 604 a		<1.53E-04	<1.53E-04	<1.53E-04	<2.69E-04	<2.16E-04	<2.79E-04	<2.79E-04	<3.41E-04	<3.42E-04	<4.04E-04	<3.42E-04	<3.42E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.22E-04	<4.40E-04	<4.40E-04	<3.95E-04	<7.31E-04	<4.94E-04	<5.48E-04
S- 605 a		<3.09E-04	<3.09E-04	<3.09E-04	<5.45E-04	<4.36E-04	<5.64E-04	<5.64E-04	<6.91E-04	<6.91E-04	<8.18E-04	<6.91E-04	<6.91E-04	<8.18E-04	<8.18E-04	<8.18E-04	<8.18E-04	<8.55E-04	<8.91E-04	<8.91E-04	<8.00E-04	<1.48E-03	<1.00E-03	<1.11E-03
S- 606 a		<1.64E-04	<1.64E-04	<1.64E-04	<2.89E-04	<2.31E-04	<2.99E-04	<2.99E-04	<3.66E-04	<3.66E-04	<4.34E-04	<3.66E-04	<3.66E-04	<4.34E-04	<4.34E-04	<4.34E-04	<4.34E-04	<4.53E-04	<4.72E-04	<4.72E-04	<4.24E-04	<7.84E-04	<5.30E-04	<5.88E-04
S- 607 a		<2.84E-04	<2.84E-04	<2.84E-04	<5.01E-04	<4.02E-04	<5.19E-04	<5.19E-04	<6.35E-04	<6.36E-04	<7.53E-04	<6.36E-04	<6.36E-04	<7.53E-04	<7.53E-04	<7.53E-04	<7.53E-04	<7.86E-04	<8.19E-04	<8.19E-04	<7.36E-04	<1.36E-03	<9.20E-04	<1.02E-03
S- 608 a		<3.57E-04	<3.57E-04	<3.57E-04	<6.29E-04	<5.04E-04	<6.51E-04	<6.51E-04	<7.98E-04	<7.98E-04	<9.45E-04	<7.98E-04	<7.98E-04	<9.45E-04	<9.45E-04	<9.45E-04	<9.45E-04	<9.87E-04	<1.03E-03	<1.03E-03	<9.24E-04	<1.71E-03	<1.15E-03	<1.28E-03
S- 609 a		<3.28E-04	<3.28E-04	<3.28E-04	<5.78E-04	<4.63E-04	<5.98E-04	<5.98E-04	<7.33E-04	<7.33E-04	<8.68

5. Data Analysis

Cell Area Apportionment

Table 5.1 shows how the individual flux chamber data points were apportioned to calculate the average flux value for the test grid cell. Four measurements were made in each test cell. The four measurements were targeted to represent the low emission (bottom half), medium emission (between the bottom half and the top 10%), high emission (top 10%), and maximum screened concentration in the test cell. Therefore, the target low measurement represented 50% of the cell area, the medium measurement represented 40% of the cell area, the high measurement represented 10% of the cell area, and the maximum measurement represented the area of the flux chamber, 0.13 m^2. However, the actual values were substantially different than the target values. Table 5.1 shows the calculated apportionment values based on the analysis of interior cell screening. The calculation basis is provided in Appendix 2.

Table 5.1 Grid Cell Area Apportionment by Interior Grid Cell Zone.

		Rep	Sample Apportionment			
Category	**Subset**	**Cell**	**Low**	**Med**	**High**	**Max**
Exceedance Area		87	54%	21%	25%	0.003%
Reaction Area	High	213	38%	54%	8%	0.003%
Reaction Area	Med	197	58%	21%	21%	0.003%
Reaction Area	Med	195	74%	15%	12%	0.003%
Reaction Area	Low	149	56%	32%	12%	0.003%
Membrane	High	204	70%	22%	7%	0.003%
Membrane	Low	183	31%	31%	19%	19%
Interface	High	75	67%	22%	15%	0.003%
Interface	Med	158	85%	6%	9%	0.003%
Interface	Med	211	74%	16%	10%	0.003%
Interface	Low	76	21%	16%	63%	0.003%
Non-Reaction Area	High	232	70%	18%	12%	0.003%
Non-Reaction Area	Med	131	25%	25%	25%	25%
Non-Reaction Area	Med	86	47%	29%	26%	0.003%
Non-Reaction Area	Low	133	36%	36%	16%	16%

The average flux value of the cell was calculated by multiplying the appropriate apportionment factor (see Table 5.1) by the measured flux value for each position. The maximum reading was assumed to be valid only under the flux chamber, an area of 0.13 m^2, because the maximum reading is only represented at one point of the grid. No other portion of the grid is represented by the maximum reading. Note that some of the grid cells had the same or similar screening values throughout the cell, and therefore no identifiable maximum. For those cells, the surface allocation to the "Max" value is greater than the 0.003% value assigned to the cells that did have an identifiable maximum value.

Emissions Calculations

All emissions calculations are provided in Appendix 3. As an example, the methane emissions calculation is provided below in Table 5.2. The flux values shown in Section 5 (for the four internal cell

Table 5.2 Methane Emissions Calculations.

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

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

Legacy Calculation Approach

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

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

categories (low, medium, high, and max)) are averaged based on the area apportionment described above. That average cell flux value (column "W. Avg" (Weighted Average)) is then multiplied by the area represented by that grid cell to arrive at the total emissions. Emissions were calculated and presented using the calculation methodology as stated in the test protocol. Emissions were calculated for all compounds using both the "High Resolution" and "Legacy" data analysis approaches. The "High Resolution" analysis utilized all collected data and the primary report results are based on that data. The "Legacy" analysis used a subset of the collected data and was based on the source categories that were historical used to assess the air emissions. As shown below, both methods, for the most part, provided the same results.

Carbon monoxide and hydrogen were not detected in any of the samples and were not otherwise quantified.

Tentatively identified compounds (TICs) are provided in the lab reports provided in Appendix C of Attachment 2. Since detections of TICs were sparse, emission calculations for site-wide flux were not completed for these chemicals. However, upon request, TIC calculations could be provided.

Emissions Summary

Tables 5.3 and 5.4 summarize the total site surface emissions in tons per year using the High Resolution Analysis Method. Tables 5.5 and 5.6 summarize the total site surface emissions in tons per year using the Legacy Data Analysis Method. Although the emissions data is presented in tons per year, it should be noted that these emission rates are only valid for the time-period during the sampling event and are not intended to imply that the emissions over the next 365 days would be equal to these values. All laboratory data that were reported as "not detected" were quantified at one-half the method detection limit (MDL) for the emissions calculations. In addition, the average flux rate for each compound is provided in mg/m2-min in each of the tables. The data highlighted in blue are flux values for test locations over the polymer membrane cover.

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

							TO-14						ORS 307-91			
Category	Subset	Units	Carbon Dioxide	Methane	VOC (TO-12 C1)		Benzene TO-14	Propene TO-14	o-xylene TO-14	m,p-xylene TO-14	Toluene TO-14		Total Reduced Sulfurs	Hydrogen Sulfide	Methyl Mercaptan	Dimethyl Sulfide
Exceedance Area		TPY	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Reaction Area	High	TPY	1,415	16.52	<1.57E-01		0.0021	<2.84E-03	<1.61E-03	<2.48E-03	<1.91E-03		<2.41E-03	<2.41E-03	<3.40E-03	<4.39E-03
Reaction Area	Med	TPY	2,861	<9.54E+01	0.39		<6.37E-03	<6.57E-03	<1.07E-02	<2.38E-02	<5.09E-03		<4.71E-03	<4.71E-03	<6.65E-03	<8.59E-03
Reaction Area	Low	TPY	1,655	<1.92E+00	<9.35E-02		<7.05E-03	<8.94E-03	<2.47E-03	<2.47E-03	<2.44E-03		<7.91E-03	<7.91E-03	<1.12E-02	<1.44E-02
Membrane	High	TPY	<2.15E+02	<3.91E-01	<8.81E-02		<3.55E-03	<6.13E-03	<1.75E-03	<2.49E-03	<2.03E-03		<5.62E-03	<5.62E-03	<7.93E-03	<1.02E-02
Membrane	Low	TPY	<3.42E+02	<6.22E-01	0.22		<2.71E-02	<7.85E-03	<3.22E-03	<5.83E-03	<5.52E-03		<8.75E-03	<8.75E-03	<1.23E-02	<1.59E-02
Interface	High	TPY	688	<1.87E-01	<1.96E-02		<8.05E-04	<1.80E-03	<4.88E-04	<4.88E-04	<4.84E-04		<1.57E-03	<1.57E-03	<2.21E-03	<2.86E-03
Interface	Med	TPY	<9.04E+02	<8.34E-01	<4.46E-02		<2.01E-03	<2.00E-03	<1.86E-03	<9.88E-04	<7.41E-04		<5.24E-03	<5.16E-03	<3.39E-03	<4.37E-03
Interface	Low	TPY	<7.66E+03	<8.11E+00	0.20		<1.78E-02	<8.02E-03	<6.18E-03	<6.18E-03	<6.13E-03		<1.98E-02	<1.98E-02	<2.80E-02	<3.62E-02
Non-Reaction Area	High	TPY	9,922	97.43	0.65		<2.00E-02	0.0192	<2.25E-02	<6.68E-03	<7.52E-03		<2.14E-02	<2.14E-02	<3.02E-02	<3.91E-02
Non-Reaction Area	Med	TPY	5,605	<3.43E+00	<3.53E-01		<1.94E-02	<1.51E-02	<1.21E-02	<7.68E-03	<5.32E-03		<1.72E-02	<1.72E-02	<2.43E-02	<3.14E-02
Non-Reaction Area	Low	TPY	3,999	<2.44E+00	<1.90E-01		<2.27E-02	<2.10E-02	<1.10E-02	<1.10E-02	<1.09E-02		<3.52E-02	<3.52E-02	<4.97E-02	<6.42E-02
Non SEM Area		TPY	<2.34E+03	<1.43E+01	<1.31E-01		<7.05E-03	<5.60E-03	<4.16E-03	<3.96E-03	<2.80E-03		<7.70E-03	<7.69E-03	<1.07E-02	<1.38E-02
Total		TPY	**<4.67E+04**	**<2.85E+02**	**<2.61E+00**		**<1.41E-01**	**<1.12E-01**	**<8.31E-02**	**<7.90E-02**	**<5.59E-02**		**<1.54E-01**	**<1.54E-01**	**<2.13E-01**	**<2.75E-01**
Exceedance Area		TPY	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Reaction Area		TPY	5,930	<1.14E+02	<6.37E-01		<1.55E-02	<1.83E-02	<1.48E-02	<2.87E-02	<9.44E-03		<1.50E-02	<1.50E-02	<2.12E-02	<2.74E-02
Membrane		TPY	<5.57E+02	<1.01E+00	<3.07E-01		<3.06E-02	<1.40E-02	<4.97E-03	<8.32E-03	<7.55E-03		<1.44E-02	<1.44E-02	<2.03E-02	<2.62E-02
Interface		TPY	<9.25E+03	<9.13E+00	<2.61E-01		<2.06E-02	<1.18E-02	<8.53E-03	<7.66E-03	<7.35E-03		<2.66E-02	<2.66E-02	<3.36E-02	<4.34E-02
Non-Reaction Area		TPY	19,525	<1.03E+02	<1.19E+00		<6.21E-02	<5.53E-02	<4.56E-02	<2.53E-02	<2.37E-02		<7.39E-02	<7.39E-02	<1.04E-01	<1.35E-01
Average Flux		mg/m2-min	<6.72E+01	<4.11E-01	<3.76E-03		<2.03E-04	<1.61E-04	<1.20E-04	<1.14E-04	<8.04E-05		<2.21E-04	<2.21E-04	<3.06E-04	<3.96E-04
Reaction Area Flux		mg/m2-min	87	<5.89E-01	<4.51E-03		<2.52E-04	<1.79E-04	<1.17E-04	<1.75E-04	<1.03E-04		<2.53E-04	<2.53E-04	<3.44E-04	<4.44E-04
Non-reaction Area Flux		mg/m2-min	52	<2.76E-01	<3.18E-03		<1.66E-04	<1.47E-04	<1.22E-04	<6.76E-05	<6.33E-05		<1.97E-04	<1.97E-04	<2.78E-04	<3.59E-04
Membrane Flux		mg/m2-min	<6.05E+00	<1.10E-02	<3.34E-03		<3.33E-04	<1.52E-04	<5.41E-05	<9.04E-05	<8.20E-05		<1.56E-04	<1.56E-04	<2.20E-04	<2.85E-04
Interface Flux		mg/m2-min	<1.79E+02	<1.77E-01	<5.05E-03		<3.99E-04	<2.29E-04	<1.65E-04	<1.48E-04	<1.42E-04		<5.16E-04	<5.14E-04	<6.50E-04	<8.40E-04

Table 5.4 Site Surface Emissions Summary, TO-15 Compounds. High Resolution Data Analysis.

Category	Subset	Units	Acetone	Methanol	Benzene	Isopropyltoluene	Ethanol	2-Butanone (MEK)	Toluene	Acrolein	Propylene	m,p-Xylenes	o-Xylene	Ethylbenzene	2-propanol (isopropylalcohol)	Carbon disulfide	Cyclohexane	Tetrachloroethene (PCE)	Tetrahydrofuran
Exceedance Area		TPY	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Reaction Area	High	TPY	0.0155	0.0086	<1.29E-03	<5.63E-03	<1.91E-03	<7.33E-03	<8.72E-04	<4.95E-04	<1.33E-03	<4.95E-04	<4.95E-04	<4.95E-04	<5.69E-04	<3.55E-04	<2.43E-03	<2.34E-03	<1.73E-04
Reaction Area	Med	TPY	<7.36E-02	0.0720	<5.57E-03	<1.61E-02	<6.05E-03	<1.32E-02	<1.71E-03	<7.17E-03	0.0035	<9.77E-03	<5.07E-03	<9.70E-04	<1.11E-03	<6.94E-04	<1.83E-03	<3.67E-04	<3.47E-04
Reaction Area	Low	TPY	<7.46E-03	<2.87E-03	<8.26E-03	<4.18E-03	<3.58E-03	<1.10E-03	<2.87E-03	<8.60E-04	<3.63E-03	<1.63E-03	<1.63E-03	<1.63E-03	<1.87E-03	<1.17E-03	<6.65E-04	<6.16E-04	<5.69E-04
Membrane	High	TPY	<4.83E-03	<1.76E-03	<3.61E-03	<4.41E-03	<2.54E-03	<7.85E-04	<2.32E-03	<6.11E-04	<6.17E-04	<3.55E-03	<1.29E-03	<1.27E-03	<1.33E-03	<8.28E-04	<4.72E-04	<4.37E-04	<4.04E-04
Membrane	Low	TPY	<6.09E-03	<2.74E-03	<1.79E-02	<1.25E-02	<3.95E-03	<1.22E-03	<5.37E-03	<9.50E-04	<2.25E-03	<6.10E-03	<2.63E-03	<2.73E-03	<2.07E-03	<1.29E-03	<7.35E-04	<6.81E-04	<6.29E-04
Interface	High	TPY	<3.00E-03	0.0031	<8.40E-04	<8.27E-04	<7.09E-04	<2.19E-04	<5.67E-04	<1.70E-04	<1.28E-04	<3.22E-04	<3.22E-04	<3.22E-04	<3.70E-04	<2.31E-04	<1.32E-04	<1.22E-04	<1.13E-04
Interface	Med	TPY	<5.93E-03	<1.07E-03	<1.36E-03	<1.27E-03	<1.08E-03	<3.89E-04	<8.69E-04	<2.61E-04	<1.96E-04	<4.93E-04	<4.93E-04	<4.93E-04	<5.67E-04	<3.54E-04	<2.02E-04	<1.87E-04	<1.73E-04
Interface	Low	TPY	<2.39E-02	<3.28E-02	<1.06E-02	<1.05E-02	<8.96E-03	<2.77E-03	<7.18E-03	<2.16E-03	<1.62E-03	<4.08E-03	<4.08E-03	<4.08E-03	<4.69E-03	<2.92E-03	<1.67E-03	<1.54E-03	<1.43E-03
Non-Reaction Area	High	TPY	<1.24E-01	0.1248	0.0397	<1.13E-02	<9.68E-03	<2.99E-03	<7.76E-03	<2.03E-02	<1.95E-02	<4.41E-03	<4.41E-03	<4.41E-03	<5.06E-03	<3.16E-03	<3.59E-03	<1.67E-03	<1.54E-03
Non-Reaction Area	Med	TPY	<1.19E-01	<8.73E-02	<1.36E-02	<1.44E-02	<7.79E-03	<2.33E-02	<6.24E-03	<6.75E-03	<4.60E-03	<3.55E-03	<3.55E-03	<3.55E-03	<4.07E-03	<2.54E-03	<1.45E-03	<1.34E-03	<1.24E-03
Non-Reaction Area	Low	TPY	<3.36E-02	<1.52E-02	<1.89E-02	<1.86E-02	<1.59E-02	<7.34E-03	<1.28E-02	<3.83E-03	<7.95E-03	<7.24E-03	<7.24E-03	<7.24E-03	<8.32E-03	<1.04E-02	<2.96E-03	<5.78E-03	<2.53E-03
Non SEM Area		TPY	<2.71E-02	<2.24E-02	<6.87E-03	<5.70E-03	<5.29E-03	<3.68E-03	<2.87E-03	<2.74E-03	<2.46E-03	<2.37E-03	<1.82E-03	<1.61E-03	<1.78E-03	<1.39E-03	<9.22E-04	<8.61E-04	<5.44E-04
Total		TPY	**<5.42E-01**	**<4.47E-01**	**<1.37E-01**	**<1.14E-01**	**<1.06E-01**	**<7.35E-02**	**<5.72E-02**	**<5.48E-02**	**<4.91E-02**	**<4.73E-02**	**<3.63E-02**	**<3.21E-02**	**<3.56E-02**	**<2.77E-02**	**<1.84E-02**	**<1.72E-02**	**<1.09E-02**
Exceedance Area		TPY	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Reaction Area		TPY	<9.65E-02	<8.35E-02	<1.51E-02	<2.59E-02	<1.15E-02	<2.16E-02	<5.44E-03	<8.53E-03	<8.44E-03	<1.19E-02	<7.19E-03	<3.09E-03	<3.55E-03	<2.22E-03	<4.93E-03	<3.32E-03	<1.09E-03
Membrane		TPY	<1.09E-02	<4.50E-03	<2.15E-02	<1.70E-02	<6.49E-03	<2.01E-03	<7.69E-03	<1.56E-03	<2.87E-03	<9.65E-03	<3.92E-03	<4.00E-03	<3.39E-03	<2.12E-03	<1.21E-03	<1.12E-03	<1.03E-03
Interface		TPY	<3.28E-02	<3.69E-02	<1.28E-02	<1.26E-02	<1.08E-02	<3.38E-03	<8.62E-03	<2.59E-03	<1.94E-03	<4.90E-03	<4.90E-03	<4.90E-03	<5.62E-03	<3.51E-03	<2.00E-03	<1.85E-03	<1.71E-03
Non-Reaction Area		TPY	<2.77E-01	<2.27E-01	<7.21E-02	<4.42E-02	<3.34E-02	<3.36E-02	<2.68E-02	<3.09E-02	<3.21E-02	<1.52E-02	<1.52E-02	<1.52E-02	<1.75E-02	<1.61E-02	<8.00E-03	<8.79E-03	<5.31E-03
Average Flux		mg/m2-min	<7.80E-04	<6.44E-04	<1.97E-04	<1.64E-04	<1.52E-04	<1.06E-04	<8.24E-05	<7.89E-05	<7.07E-05	<6.81E-05	<5.23E-05	<4.62E-05	<5.13E-05	<3.99E-05	<2.65E-05	<2.48E-05	<1.56E-05
Reaction Area Flux		mg/m2-min	<8.35E-04	<6.93E-04	<2.04E-04	<2.24E-04	<2.35E-04	<1.27E-04	<9.69E-05	<7.43E-05	<5.11E-05	<1.04E-04	<6.78E-05	<5.37E-05	<5.75E-05	<3.59E-05	<3.33E-05	<2.65E-05	<1.75E-05
Non-reaction Area Flux		mg/m2-min	<7.39E-04	<6.06E-04	<1.92E-04	<1.18E-04	<8.90E-05	<8.97E-05	<7.14E-05	<8.24E-05	<8.56E-05	<4.05E-05	<4.05E-05	<4.05E-05	<4.66E-05	<4.29E-05	<2.13E-05	<2.34E-05	<1.42E-05
Membrane Flux		mg/m2-min	<1.19E-04	<4.89E-05	<2.34E-04	<1.84E-04	<7.05E-05	<2.18E-05	<8.36E-05	<1.70E-05	<3.12E-05	<1.05E-04	<4.26E-05	<4.34E-05	<3.69E-05	<2.30E-05	<1.31E-05	<1.21E-05	<1.12E-05
Interface Flux		mg/m2-min	<6.35E-04	<7.15E-04	<2.48E-04	<2.43E-04	<2.08E-04	<6.54E-05	<1.67E-04	<5.00E-05	<3.75E-05	<9.47E-05	<9.47E-05	<9.47E-05	<1.09E-04	<6.79E-05	<3.87E-05	<3.59E-05	<3.31E-05

Table 5.5 Site Surface Emissions Summary; CO2, Methane, VOC, TO-14 and 307-91 Compounds. Legacy Data Analysis.

							TO-14						ORS 307-91			
Category	Subset	Units	Carbon Dioxide	Methane	VOC (TO-12 C1)		Benzene TO-14	Propene TO-14	o-xylene TO-14	m,p-xylene TO-14	Toluene TO-14		Total Reduced Sulfurs	Hydrogen Sulfide	Methyl Mercaptan	Dimethyl Sulfide
Exceedance Area		TPY	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Reaction Area	High	TPY	2,816	<7.63E-01	<8.03E-02		<3.29E-03	<7.35E-03	<2.00E-03	<2.00E-03	<1.98E-03		<6.41E-03	<6.41E-03	<9.05E-03	<1.17E-02
Reaction Area	Med	TPY	<2.59E+03	<3.05E+00	<2.72E-01		<1.35E-02	<1.57E-02	<1.07E-02	<6.49E-03	<4.60E-03		<1.39E-02	<1.39E-02	<1.96E-02	<2.53E-02
Reaction Area	Low	TPY	<2.97E+04	<3.15E+01	0.76		<6.92E-02	<3.11E-02	<2.40E-02	<2.40E-02	<2.38E-02		<7.70E-02	<7.70E-02	<1.09E-01	<1.40E-01
Non-Reaction Area	High	TPY	9,922	97.43	0.65		<2.00E-02	0.0192	<2.25E-02	<6.68E-03	<7.52E-03		<2.14E-02	<2.14E-02	<3.02E-02	<3.91E-02
Non-Reaction Area	Med	TPY	5,605	<3.43E+00	<3.53E-01		<1.94E-02	<1.51E-02	<1.21E-02	<7.68E-03	<5.32E-03		<1.72E-02	<1.72E-02	<2.43E-02	<3.14E-02
Non-Reaction Area	Low	TPY	3,999	<2.44E+00	<1.90E-01		<2.27E-02	<2.10E-02	<1.10E-02	<1.10E-02	<1.09E-02		<3.52E-02	<3.52E-02	<4.97E-02	<6.42E-02
Non SEM Area		TPY	<3.36E+03	<9.61E+00	<1.26E-01		<8.06E-03	<6.12E-03	<4.60E-03	<3.31E-03	<3.11E-03		<9.87E-03	<9.87E-03	<1.39E-02	<1.80E-02
Total		**TPY**	**<6.71E+04**	**<1.92E+02**	**<2.51E+00**		**<1.61E-01**	**<1.22E-01**	**<9.20E-02**	**<6.62E-02**	**<6.22E-02**		**<1.97E-01**	**<1.97E-01**	**<2.78E-01**	**<3.60E-01**
Exceedance Area		TPY	9,099	43.85	<8.05E-02		<4.95E-03	<6.76E-03	<5.04E-03	<5.05E-03	<5.00E-03		<1.62E-02	<1.62E-02	<2.29E-02	<2.95E-02
Reaction Area		TPY	<3.51E+04	<3.53E+01	<1.12E+00		<8.60E-02	<5.42E-02	<3.67E-02	<3.25E-02	<3.03E-02		<9.73E-02	<9.73E-02	<1.37E-01	<1.77E-01
Non-Reaction Area		TPY	19,525	<1.03E+02	<1.19E+00		<6.21E-02	<5.53E-02	<4.56E-02	<2.53E-02	<2.37E-02		<7.39E-02	<7.39E-02	<1.04E-01	<1.35E-01
Average Flux		mg/m2-min	<9.66E+01	<2.76E-01	<3.62E-03		<2.32E-04	<1.76E-04	<1.32E-04	<9.53E-05	<8.95E-05		<2.84E-04	<2.84E-04	<4.01E-04	<5.18E-04
Membrane Flux		mg/m2-min	<9.78E+00	<1.16E-02	<2.14E-03		<1.27E-04	<1.60E-04	<5.13E-05	<9.71E-05	<6.90E-05		<1.65E-04	<1.65E-04	<2.33E-04	<3.00E-04

Table 5.6 Site Surface Emissions Summary, TO-15 Compounds. Legacy Data Analysis.

Category	Subset	Units	Acetone	Methanol	Benzene	Isopropyltoluene	Ethanol	2-Butanone (MEK)	Toluene	Acrolein	Propylene	m,p-Xylenes	o-Xylene	Ethylbenzene	2-propanol (isopropylalcohol)	Carbon disulfide	Cyclohexane	Tetrachloroethene (PCE)	Tetrahydrofuran
Exceedance Area		TPY	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Reaction Area	High	TPY	<1.23E-02	0.0125	<3.44E-03	<3.38E-03	<2.90E-03	<8.95E-04	<2.32E-03	<6.97E-04	<5.22E-04	<1.32E-03	<1.32E-03	<1.32E-03	<1.51E-03	<9.45E-04	<5.38E-04	<4.99E-04	<4.61E-04
Reaction Area	Med	TPY	<2.53E-02	<4.35E-03	<8.07E-03	<8.86E-03	<6.27E-03	<1.94E-03	<5.33E-03	<1.51E-03	<1.30E-03	<5.39E-03	<2.99E-03	<2.97E-03	<3.28E-03	<2.04E-03	<1.17E-03	<1.08E-03	<9.98E-04
Reaction Area	Low	TPY	<9.26E-02	<1.27E-01	<4.13E-02	<4.06E-02	<3.48E-02	<1.07E-02	<2.79E-02	<8.36E-03	<6.27E-03	<1.58E-02	<1.58E-02	<1.58E-02	<1.82E-02	<1.13E-02	<6.47E-03	<5.99E-03	<5.54E-03
Non-Reaction Area	High	TPY	<1.24E-01	0.1248	0.0397	<1.13E-02	<9.68E-03	<2.99E-03	<7.76E-03	<2.03E-02	<1.95E-02	<4.41E-03	<4.41E-03	<4.41E-03	<5.06E-03	<3.16E-03	<3.59E-03	<1.67E-03	<1.54E-03
Non-Reaction Area	Med	TPY	<1.19E-01	<8.73E-02	<1.36E-02	<1.44E-02	<7.79E-03	<2.33E-02	<6.24E-03	<6.75E-03	<4.60E-03	<3.55E-03	<3.55E-03	<3.55E-03	<4.07E-03	<2.54E-03	<1.45E-03	<1.34E-03	<1.24E-03
Non-Reaction Area	Low	TPY	<3.36E-02	<1.52E-02	<1.89E-02	<1.86E-02	<1.59E-02	<7.34E-03	<1.28E-02	<3.83E-03	<7.95E-03	<7.24E-03	<7.24E-03	<7.24E-03	<8.32E-03	<1.04E-02	<2.96E-03	<5.78E-03	<2.53E-03
Non SEM Area		TPY	<2.66E-02	<2.34E-02	<7.04E-03	<5.57E-03	<6.09E-03	<2.98E-03	<3.59E-03	<2.63E-03	<2.19E-03	<2.16E-03	<2.04E-03	<2.04E-03	<2.33E-03	<1.73E-03	<9.24E-04	<9.29E-04	<7.10E-04
Total		**TPY**	**<5.32E-01**	**<4.67E-01**	**<1.41E-01**	**<1.11E-01**	**<1.22E-01**	**<5.94E-02**	**<7.17E-02**	**<5.26E-02**	**<4.37E-02**	**<4.32E-02**	**<4.07E-02**	**<4.07E-02**	**<4.66E-02**	**<3.45E-02**	**<1.84E-02**	**<1.85E-02**	**<1.42E-02**
Exceedance Area		TPY	0.0978	0.0727	<8.68E-03	<8.55E-03	<3.83E-02	0.0093	<5.86E-03	<8.51E-03	<1.32E-03	<3.33E-03	<3.33E-03	<3.33E-03	<3.83E-03	<2.39E-03	<1.36E-03	<1.26E-03	<1.16E-03
Reaction Area		TPY	<1.30E-01	<1.44E-01	<5.28E-02	<5.29E-02	<4.39E-02	<1.36E-02	<3.55E-02	<1.06E-02	<8.10E-03	<2.25E-02	<2.01E-02	<2.01E-02	<2.30E-02	<1.43E-02	<8.17E-03	<7.57E-03	<7.00E-03
Non-Reaction Area		TPY	<2.77E-01	<2.27E-01	<7.21E-02	<4.42E-02	<3.34E-02	<3.36E-02	<2.68E-02	<3.09E-02	<3.21E-02	<1.52E-02	<1.52E-02	<1.52E-02	<1.75E-02	<1.61E-02	<8.00E-03	<8.79E-03	<5.31E-03
Average Flux		mg/m2-min	<7.65E-04	<6.73E-04	<2.02E-04	<1.60E-04	<1.75E-04	<8.56E-05	<1.03E-04	<7.57E-05	<6.29E-05	<6.22E-05	<5.86E-05	<5.86E-05	<6.71E-05	<4.97E-05	<2.66E-05	<2.67E-05	<2.04E-05
Membrane Flux		mg/m2-min	<1.32E-04	<5.17E-05	<1.25E-04	<1.76E-04	<7.44E-05	<2.30E-05	<7.75E-05	<1.79E-05	<2.33E-05	<8.34E-05	<4.21E-05	<4.06E-05	<3.89E-05	<2.43E-05	<1.38E-05	<1.28E-05	<1.19E-05

Data Based Observations

Overall Data Trend

Table 5.7 provides a comparison of site-wide emission rates (in tons/yr) for selected chemicals from the August 2023, March 2024, November 2024, March 2025, and July 2025 flux chamber testing events. These data demonstrate that although there was a significant increase in emissions from the First to the Second Test events, resulting from major upset conditions that occurred during the Second Test Event, the results from the Third, Fourth, and Fifth Test Events, show a substantial decrease in emissions in comparison to earlier events, for most of the speciated compounds analyzed. This trend is likely a result of improvements in gas recovery and cover systems at the Landfill. Note that for most of the speciated compounds, the laboratory results were near or below the method detection limit. Therefore, there will likely be limited further reductions in quantifiable emissions for those compounds in future events due to the limitations of the performance of the chemical analysis for the gas samples.

For the Fifth Event, dimethyl sulfide and isopropyl alcohol were not detected in any samples; the reported values, based on one-half of their method detection limit, were 0.36 tons per year for dimethyl sulfide and 0.04 tons per year for isopropyl alcohol. These results are from the "High Resolution" data analysis methodology.

Table 5.7 Comparison of Site-wide Surface Air Emissions (tons/yr) for the Five Test Events.

		Event				
Compound	**Units**	**1 (8/23)**	**2 (3/24)**	**3 (11/24)**	**4 (3/25)**	**5 (7/25)**
Carbon dioxide	tons/yr	41,312	327,049	216,177	100,526	46,702
Methane	tons/yr	3,357	11,456	6,880	4,756	285
Total VOC	tons/yr	207	853	61	26.1	2.6
Ethanol	tons/yr	18.3	NQ	0.42	0.23	0.11
Acetone	tons/yr	17.6	51	1.30	1.38	0.54
Dimethyl sulfide	tons/yr	15.2	57.9	0.93	0.95	ND
Tetrahydrofuran	tons/yr	13.6	107	0.06	0.23	0.01
Benzene	tons/yr	9.33	104	0.27	0.90	0.14
Methanol	tons/yr	9.09	NQ	0.51	0.79	0.45
Methyl ethyl ketone (MEK)	tons/yr	9.06	51.2	0.24	0.30	0.07
Propylene	tons/yr	6.62	29.8	0.69	0.41	0.05
Isopropyl alcohol (IPA)	tons/yr	3.72	15.2	0.18	0.51	ND
Isopropyl toluene	tons/yr	3.25	13.7	0.25	0.42	0.11
Toluene	tons/yr	2.00	18.6	0.22	0.29	0.06
Total Xylenes	tons/yr	1.52	9.79	0.30	0.48	0.08
Ethylbenzene	tons/yr	1.14	10.1	0.16	0.20	0.03
Hydrogen sulfide	tons/yr	0.13	3.81	0.72	0.24	0.15
Note: NQ = Not Quantified, ND = Not Detected						

Method Detection Limit Calculation Assumptions

All officially reported emissions are calculated based on using one half of the method detection limit (MDL) for the concentration when a compound is not detected (ND = MDL/2). Table 5.8 shows the impact of this assumption by comparing the ½ MDL data to a calculation where a "Not Detected" compound is assumed to be a zero value (ND = 0). The emissions of the blue highlighted compounds are the most impacted by this assumption. Note that methyl mercaptan, dimethyl sulfide, and isopropanol were never detected for this event. The emissions of almost all of the compounds are now being impacted by this ½ MDL assumption. For the SCAQMD Method 307-91 analysis there were six (6) detects out of 1,584 analytical targets, highlighted in Table 5.8 below. Of those six detections, four were grouped compounds. Hydrogen sulfide was the only individual compound detected, and it was only detected twice.

Achieving Non-Detections for Benzene, Toluene, and sulfur compounds at 41 – 100% is a strong indicator of low emissions concentrations, particularly no detections of Dimethyl Sulfide, reflecting the effectiveness of Chiquita's mitigation measures.

Table 5.8 Comparison of Method Detection Limit Calculation Assumptions (Compounds most impacted are shaded).

Compound	Units	ND = 0.5*MDL	ND = 0	% ND
Carbon Dioxide	TPY	46,702	46,070	1%
Methane	TPY	285.42	280.59	2%
VOC (TO-12 C1)	TPY	2.61	2.38	9%
Acetone	TPY	0.54	0.51	6%
Methanol	TPY	0.45	0.43	4%
Benzene	TPY	0.14	0.08	41%
Isopropyltoluene	TPY	0.11	0.04	65%
Ethanol	TPY	0.11	0.05	55%
2-Butanone (MEK)	TPY	0.07	0.06	22%
Toluene	TPY	0.06	0.00	92%
Acrolein	TPY	0.05	0.04	22%
Propylene	TPY	0.05	0.04	15%
m,p-Xylenes	TPY	0.05	0.02	61%
o-Xylene	TPY	0.04	0.01	83%
Ethylbenzene	TPY	0.03	0.00	95%
2-propanol (isopropylalcohol)	TPY	0.04	0.00	100%
Carbon disulfide	TPY	0.03	0.01	77%
Cyclohexane	TPY	0.02	0.01	67%
Tetrachloroethene (PCE)	TPY	0.02	0.01	65%
Tetrahydrofuran	TPY	0.01	0.00	100%
TO-14				
Benzene TO-14	TPY	0.14	0.13	10%
Propene TO-14	TPY	0.11	0.09	21%
o-xylene TO-14	TPY	0.08	0.05	45%
m,p-xylene TO-14	TPY	0.08	0.04	55%
Toluene TO-14	TPY	0.06	0.01	78%
307-91				
Total Reduced Sulfurs	TPY	0.15	0.00	97%
Hydrogen Sulfide	TPY	0.15	0.00	97%
Methyl Mercaptan	TPY	0.21	0.00	100%
Dimethyl Sulfide	TPY	0.27	0.00	100%

Membrane Emissions

Table 5.9 shows the membrane emissions as compared to the total emissions. As of this test event, the membrane covered area was 2,005,938 ft^2 out of a total area of 12,900,697 ft^2 or 15.5% of the total area. The compounds with the high percent membrane emissions may be permeable through the membrane. However, note that most of these compounds, as shown above, are dominated by non-detects, which means that the reported mass emissions of these constituents are likely inflated by the assumption that a non-detect is equal in value to one-half the detection limit. This level of Non-Detections for Total Emissions to Membrane Emissions further demonstrates the effectiveness of Chiquita's mitigation measures in improving emissions.

Table 5.9 Comparison of Total Emissions to Membrane Emissions.

Compound	Units	Total Site Emissions	Membrane Emissions	% Memb.
Carbon Dioxide	TPY	46,702	557	1%
Methane	TPY	285.42	1.01	0.4%
VOC (TO-12 C1)	TPY	2.61	0.31	12%
Acetone	TPY	0.542	0.0109	2%
Methanol	TPY	0.447	0.0045	1%
Benzene	TPY	0.137	0.0215	16%
Isopropyltoluene	TPY	0.114	0.0170	15%
Ethanol	TPY	0.106	0.0065	6%
2-Butanone (MEK)	TPY	0.074	0.0020	3%
Toluene	TPY	0.057	0.0077	13%
Acrolein	TPY	0.055	0.0016	3%
Propylene	TPY	0.049	0.0029	6%
m,p-Xylenes	TPY	0.047	0.0096	20%
o-Xylene	TPY	0.036	0.0039	11%
Ethylbenzene	TPY	0.032	0.0040	12%
2-propanol (isopropylalcohol)	TPY	0.036	0.0034	10%
Carbon disulfide	TPY	0.028	0.0021	8%
Cyclohexane	TPY	0.018	0.0012	7%
Tetrachloroethene (PCE)	TPY	0.017	0.0011	6%
Tetrahydrofuran	TPY	0.011	0.0010	10%
TO-14				
Benzene TO-14	TPY	0.141	0.0306	22%
Propene TO-14	TPY	0.112	0.0140	13%
o-xylene TO-14	TPY	0.083	0.0050	6%
m,p-xylene TO-14	TPY	0.079	0.0083	11%
Toluene TO-14	TPY	0.056	0.0075	14%
307-91				
Total Reduced Sulfurs	TPY	0.154	0.0144	9%
Hydrogen Sulfide	TPY	0.154	0.0144	9%
Methyl Mercaptan	TPY	0.213	0.0203	10%
Dimethyl Sulfide	TPY	0.275	0.0262	10%

Sampling/Calculation Scope/Methodology

The sampling scope was dramatically increased for this event and the data suggest that this scope increase mostly proved that the legacy scope of sampling and calculation provides a comparable level of accuracy as the high resolution scope. Table 5.10 shows the air emission results using the entire data set (the High Resolution Analysis) as compared to calculating the data that would have been used (the Legacy Analysis). Only methane and carbon dioxide were significantly different. Note that, other than methane and carbon dioxide, the compounds showing the highest differences are the same compounds that are dominated by non-detects. The data are quantitatively compared using relative percent difference (RPD).

Table 5.10 Comparison of Total Emissions as Determined by the High Resolution Analysis as Compared to the Legacy Analysis.

Compound	Units	High Res Scope	Legacy Scope	RPD
Carbon Dioxide	TPY	46,702	67,122	-36%
Methane	TPY	285.42	192.05	39%
VOC (TO-12 C1)	TPY	2.61	2.51	4%
Acetone	TPY	0.54	0.53	2%
Methanol	TPY	0.45	0.47	-4%
Benzene	TPY	0.14	0.14	-3%
Isopropyltoluene	TPY	0.11	0.11	2%
Ethanol	TPY	0.11	0.12	-14%
2-Butanone (MEK)	TPY	0.07	0.06	21%
Toluene	TPY	0.06	0.07	-22%
Acrolein	TPY	0.05	0.05	4%
Propylene	TPY	0.05	0.04	12%
m,p-Xylenes	TPY	0.05	0.04	9%
o-Xylene	TPY	0.04	0.04	-11%
Ethylbenzene	TPY	0.03	0.04	-24%
2-propanol (isopropylalcohol)	TPY	0.04	0.05	-27%
Carbon disulfide	TPY	0.03	0.03	-22%
Cyclohexane	TPY	0.02	0.02	0%
Tetrachloroethene (PCE)	TPY	0.02	0.02	-8%
Tetrahydrofuran	TPY	0.01	0.01	-27%
TO-14				
Benzene TO-14	TPY	0.14	0.16	-13%
Propene TO-14	TPY	0.11	0.12	-9%
o-xylene TO-14	TPY	0.08	0.09	-10%
m,p-xylene TO-14	TPY	0.08	0.07	18%
Toluene TO-14	TPY	0.06	0.06	-11%
307-91				
Total Reduced Sulfurs	TPY	0.15	0.20	-25%
Hydrogen Sulfide	TPY	0.15	0.20	-25%
Methyl Mercaptan	TPY	0.21	0.28	-27%
Dimethyl Sulfide	TPY	0.27	0.36	-27%

Membrane Interface Performance

There was concern that the membrane/soil cover interface may have higher emissions. Table 5.11 shows that for methane, the interface soil area seems to have fewer emissions than the rest of the reaction area. For other compounds, the results are mixed, but those compounds are also mostly dominated by non-detects. Based on this data it is reasonable to conclude that the soil cover near the membrane's edge has increased gas collection performance as compared to the soil cover on the remaining landfill areas. The significant negative percentage in the carbon dioxide results are due to a single anomalous data point that had extreme carbon dioxide emissions.

Table 5.11 Comparison of Flux from the Reaction Area, Non-reaction Area, Membrane, and Membrane/Soil Cover Interface.

Compound	Units	Non-reaction Area Flux	Reaction Area Flux	Membrane Flux	Interface Flux	% Reduction Interface vs. Reaction Area
Carbon Dioxide	mg/m2-min	52	87	6	179	-105%
Methane	mg/m2-min	0.28	0.59	0.01	0.18	70%
VOC (TO-12 C1)	mg/m2-min	0.0032	0.0045	0.0033	0.0050	-12%
Acetone	mg/m2-min	0.00074	0.00084	0.00012	0.00063	24%
Methanol	mg/m2-min	0.00061	0.00069	0.00005	0.00071	-3%
Benzene	mg/m2-min	0.00019	0.00020	0.00023	0.00025	-22%
Isopropyltoluene	mg/m2-min	0.00012	0.00022	0.00018	0.00024	-8%
Ethanol	mg/m2-min	0.00009	0.00024	0.00007	0.00021	12%
2-Butanone (MEK)	mg/m2-min	0.00009	0.00013	0.00002	0.00007	49%
Toluene	mg/m2-min	0.00007	0.00010	0.00008	0.00017	-72%
Acrolein	mg/m2-min	0.00008	0.00007	0.00002	0.00005	33%
Propylene	mg/m2-min	0.00009	0.00005	0.00003	0.00004	27%
m,p-Xylenes	mg/m2-min	0.00004	0.00010	0.00010	0.00009	9%
o-Xylene	mg/m2-min	0.00004	0.00007	0.00004	0.00009	-40%
Ethylbenzene	mg/m2-min	0.00004	0.00005	0.00004	0.00009	-76%
2-propanol (isopropylalcohol)	mg/m2-min	0.00005	0.00006	0.00004	0.00011	-89%
Carbon disulfide	mg/m2-min	0.00004	0.00004	0.00002	0.00007	-89%
Cyclohexane	mg/m2-min	0.00002	0.00003	0.00001	0.00004	-16%
Tetrachloroethene (PCE)	mg/m2-min	0.00002	0.00003	0.00001	0.00004	-35%
Tetrahydrofuran	mg/m2-min	0.00001	0.00002	0.00001	0.00003	-89%
TO-14						
Benzene TO-14	mg/m2-min	0.00017	0.00025	0.00033	0.00040	-59%
Propene TO-14	mg/m2-min	0.00015	0.00018	0.00015	0.00023	-28%
o-xylene TO-14	mg/m2-min	0.00012	0.00012	0.00005	0.00017	-41%
m,p-xylene TO-14	mg/m2-min	0.00007	0.00017	0.00009	0.00015	15%
Toluene TO-14	mg/m2-min	0.00006	0.00010	0.00008	0.00014	-38%
307-91						
Total Reduced Sulfurs	mg/m2-min	0.00020	0.00025	0.00016	0.00052	-103%
Hydrogen Sulfide	mg/m2-min	0.00020	0.00025	0.00016	0.00051	-103%
Methyl Mercaptan	mg/m2-min	0.00028	0.00034	0.00022	0.00065	-89%
Dimethyl Sulfide	mg/m2-min	0.00036	0.00044	0.00028	0.00084	-89%

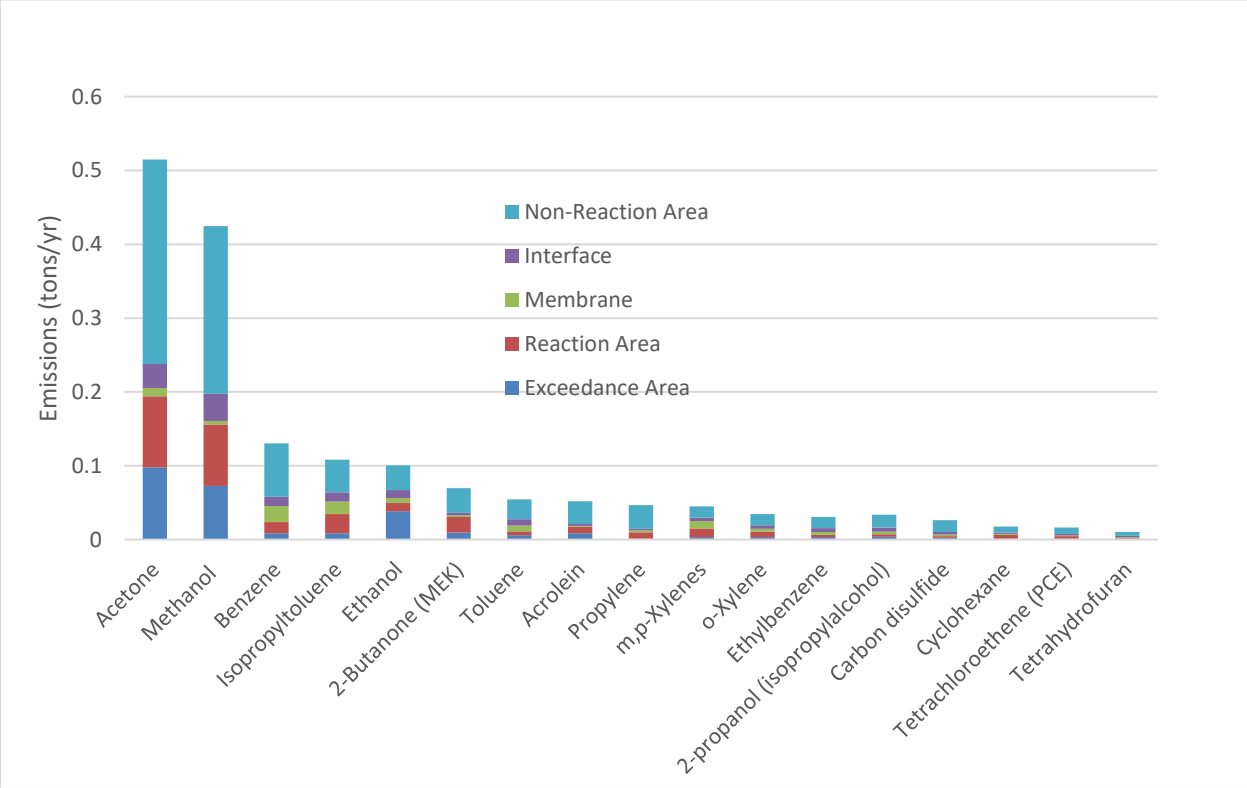
Air Emissions Distribution by Source Category

The emissions are computed by category, with the five categories being:

1. Exceedance Area
2. Reaction Area
3. Membrane Area
4. Interface Area
5. Non-reaction Area

Figure 5.1 shows distribution of emissions for the top speciated TO-15 compounds. This graph shows that emissions for isopropyl toluene and ethanol are dominated by the emissions from the reaction/exceedance areas. All other compounds are dominated by emissions from the non reaction/non exceedance landfill areas.

Figure 5.1 Air Emissions Distribution by Source Category.



Trend Analysis of Individual Compounds and Compound Groups

Figure 5.2 shows the trend for total VOC by TO-12. It is gradually bottoming out after the steep decline between the Second and Third Test Events.

Figure 5.2 Total VOC for all Sampling Events.

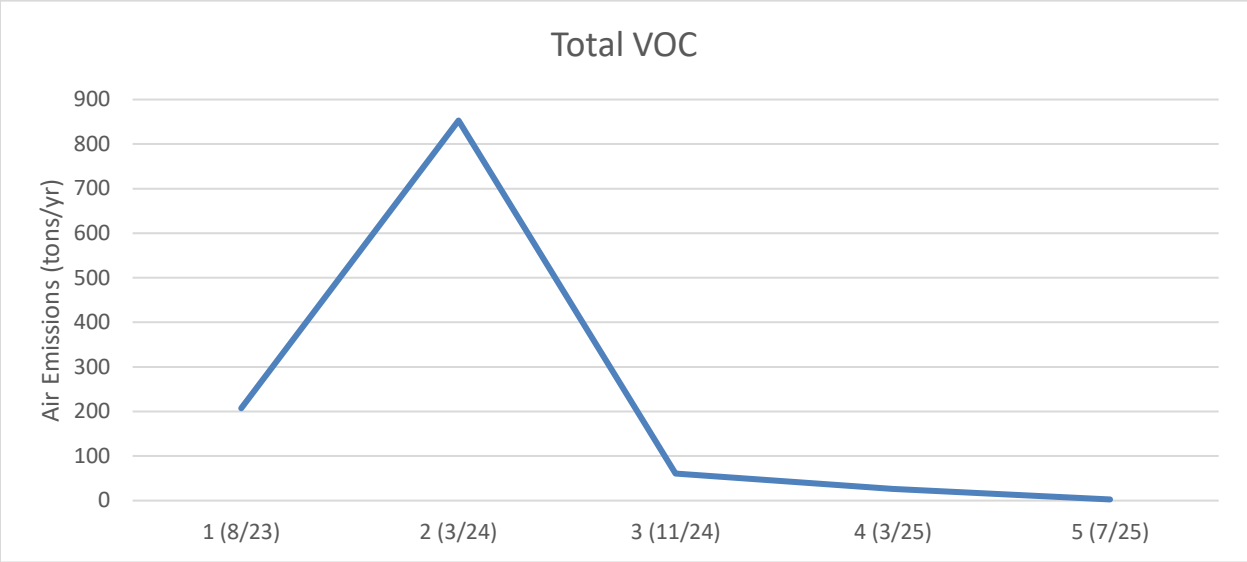
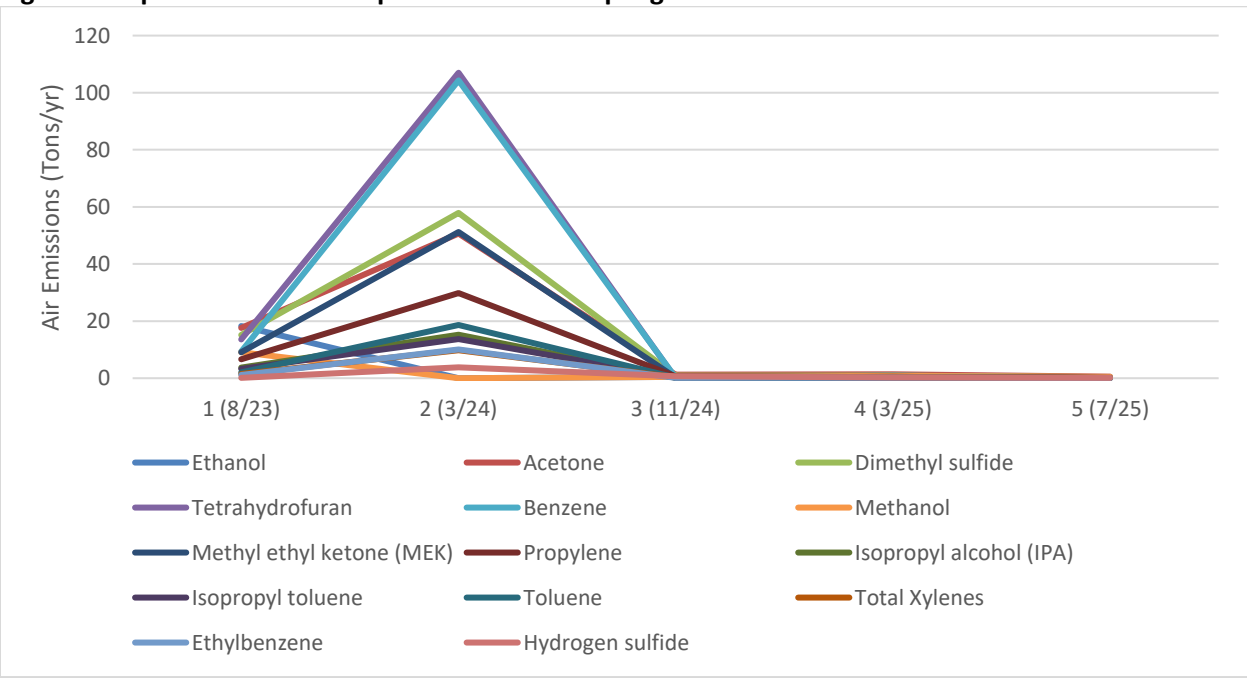


Figure 5.3 shows the trend for speciated toxic compounds. This figure shows that the toxic emissions are holding steady at a fairly low level between the Third and Fifth Test Events. The future toxic emissions will likely not deviate from these low levels found during the Third, Fourth, and Fifth Test Events.

Figure 5.3 Speciated Toxic Compounds for all Sampling Events.

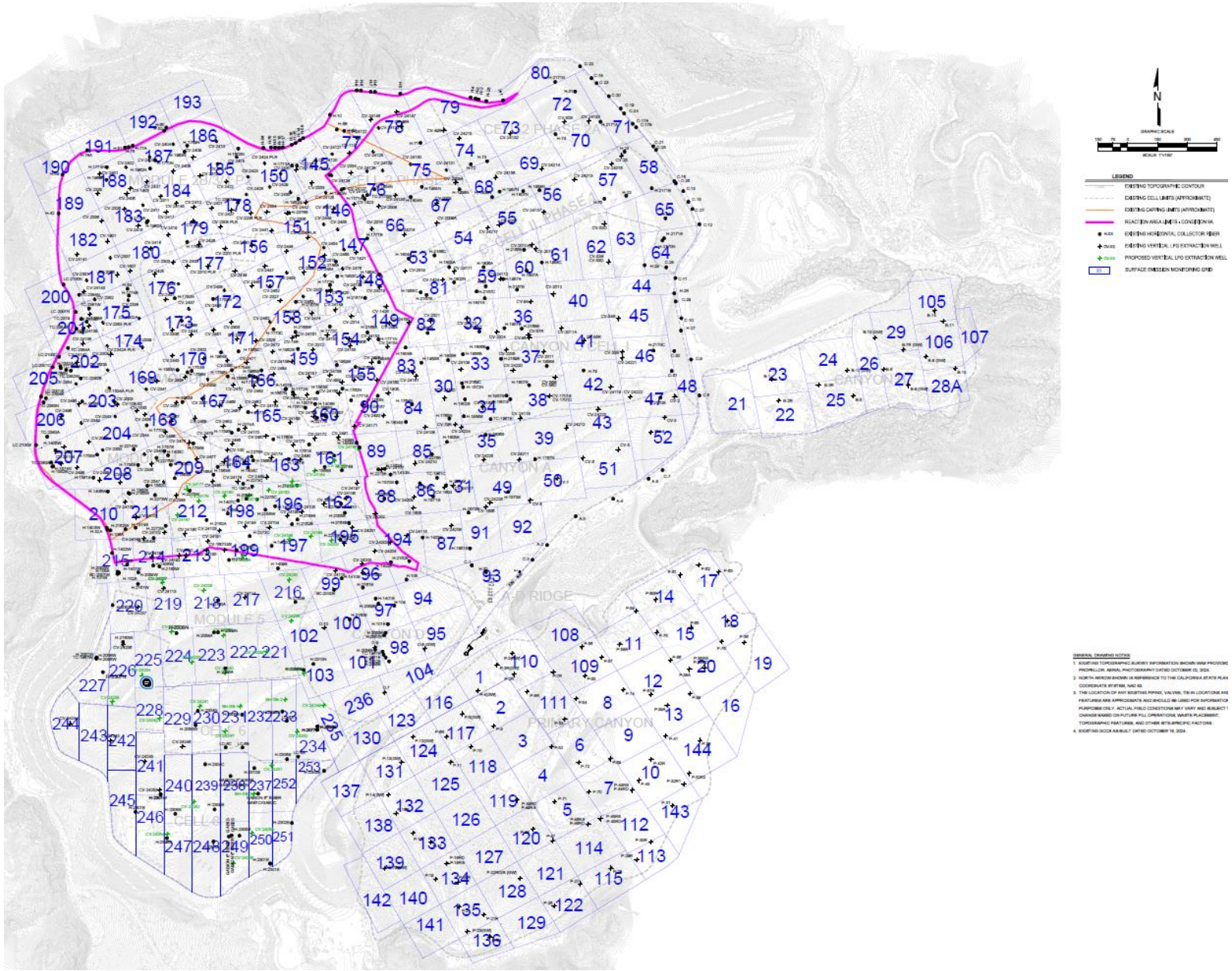


6. Works Cited

Card and Schmidt. *Chiquita Canyon Landfill, Castaic, California, Post Remediation Assessment of Air Emissions from Landfill Surfaces, Sampling Protocol*. December 2023

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).

Appendix 1
Reaction Area Designation Map


N
LEGEND
EXISTING TOPOGRAPHIC CONTOUR
EXISTING CELL LIMITS (APPROXIMATE)
EXISTING CAPPING LIMITS (APPROXIMATE)
REACTION AREA LIMITS + CONDITION WA
EXISTING HORIZONTAL COLLECTOR RISER
EXISTING VERTICAL LFG EXTRACTION WELL
PROPOSED VERTICAL LFG EXTRACTION WELL
SURFACE EMISSION MONITORING GRID
GENERAL DRAWING NOTES
MODULE 5
MODULE 6
CELL 6
PRIMARY CANYON

Appendix 2
Grid Cell Field Screening Data

Chiquita Canyon Landfill
Cell Screening Form

Grid ID 87

Instrument _____

Baseline _____

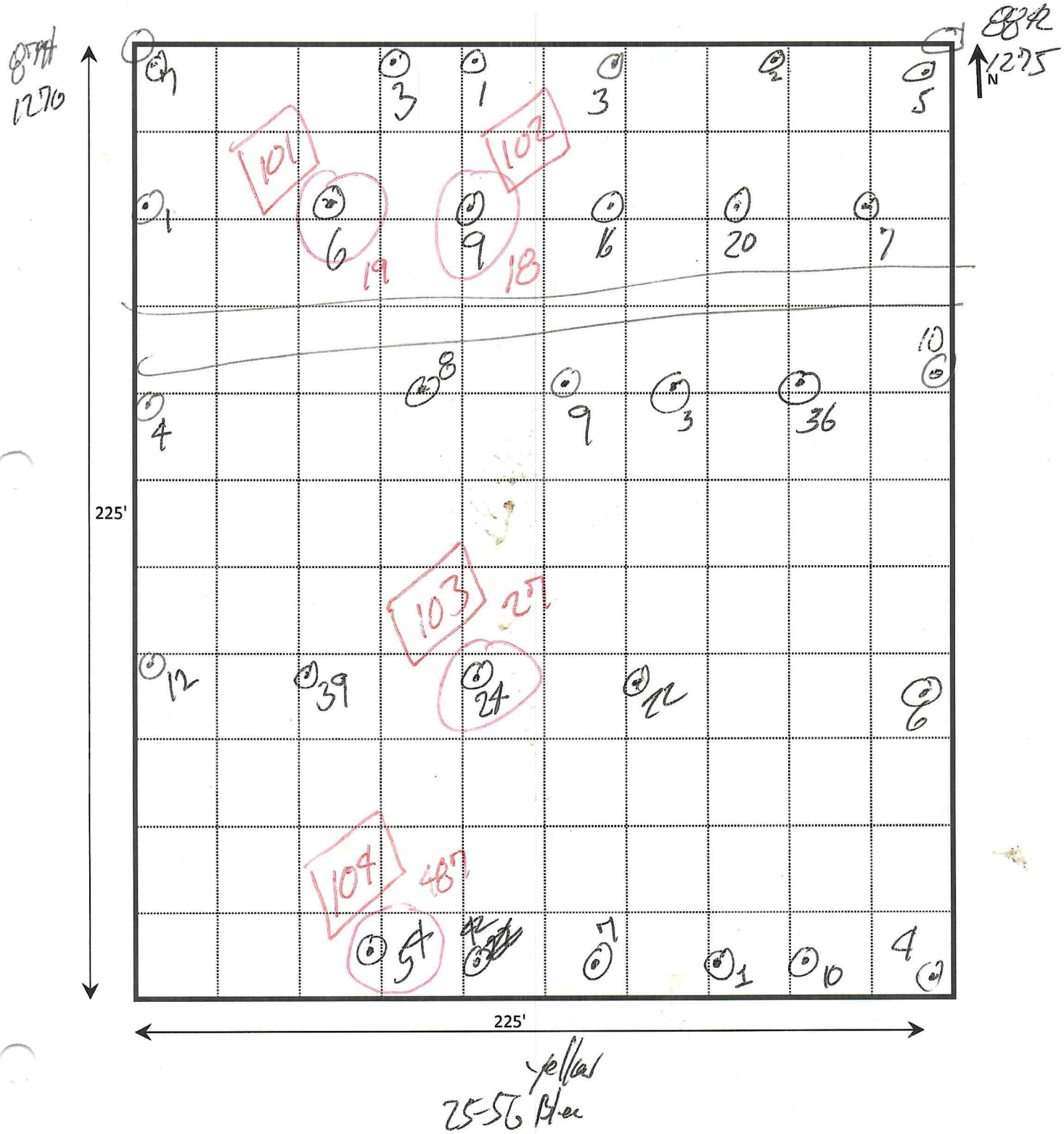
Coordinates are: **11S 34_,___**
3,81_,___

Date 7/14

Time 12:48

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 75

Instrument _____

Baseline _____

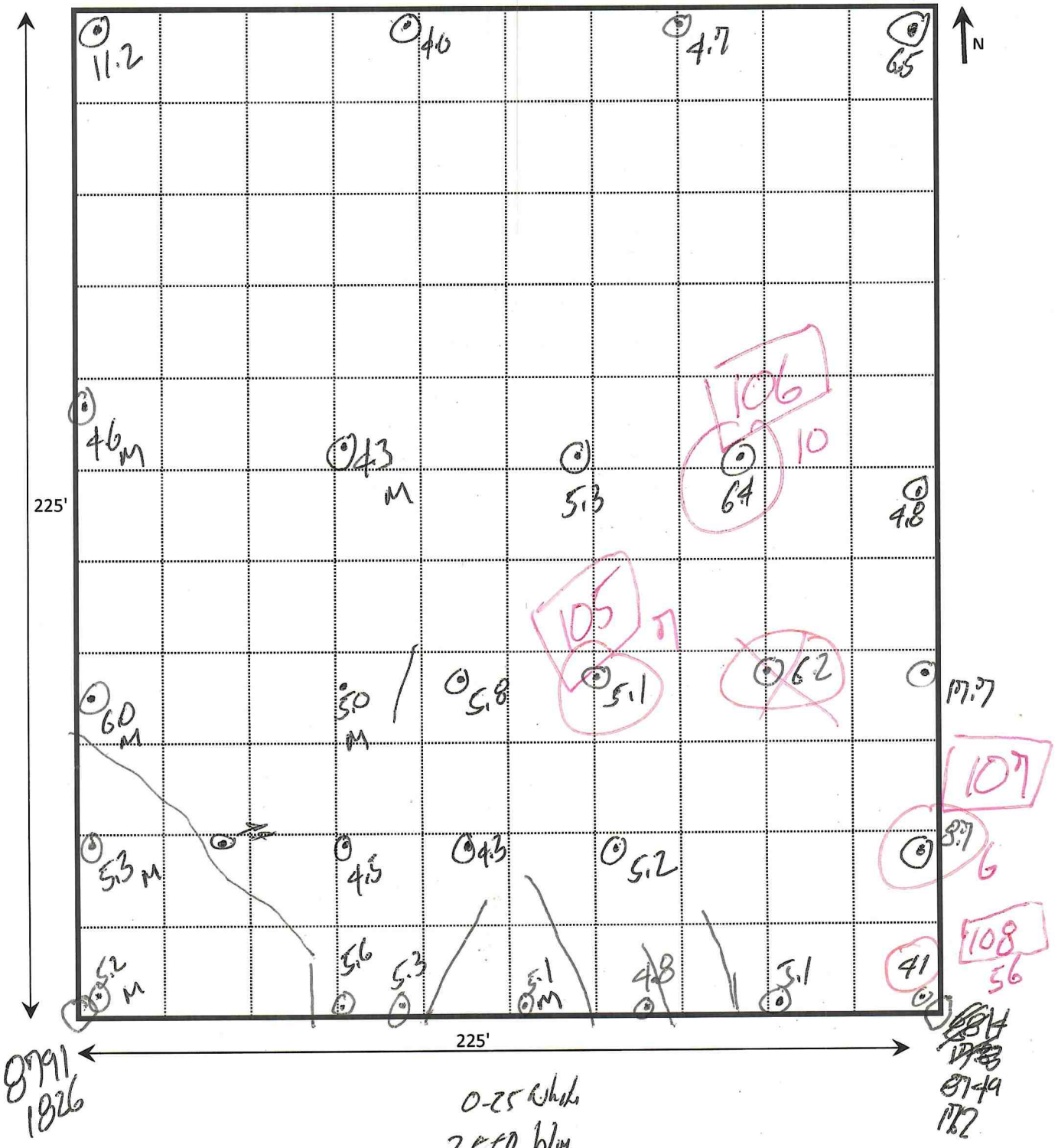
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/14

Time _____

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID F6

Instrument _____

Baseline _____

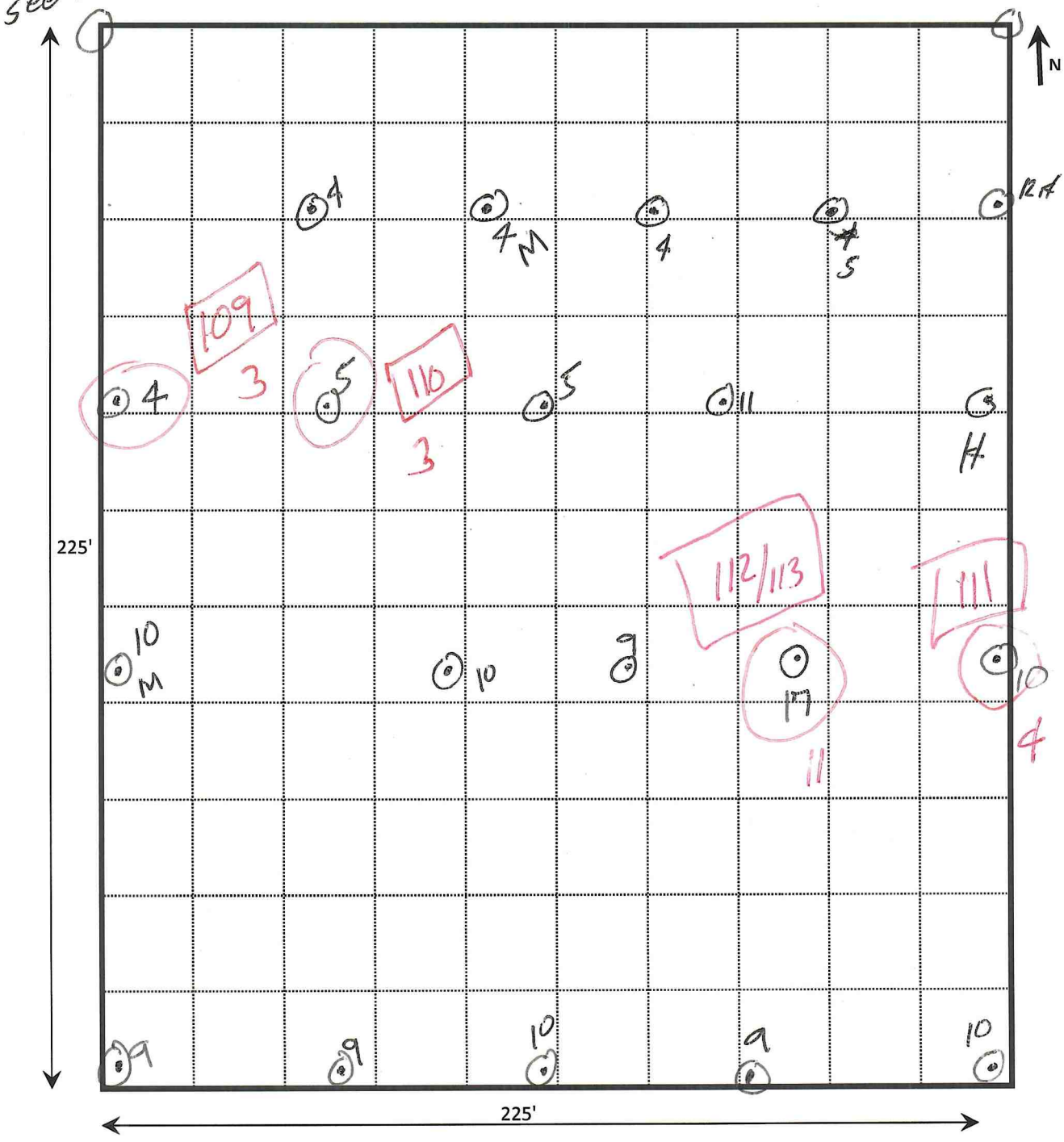
Coordinates are: 11S 34_,___
3,81_,___

Date 7/14

Time 8:00

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 211

Instrument _____

Baseline _____

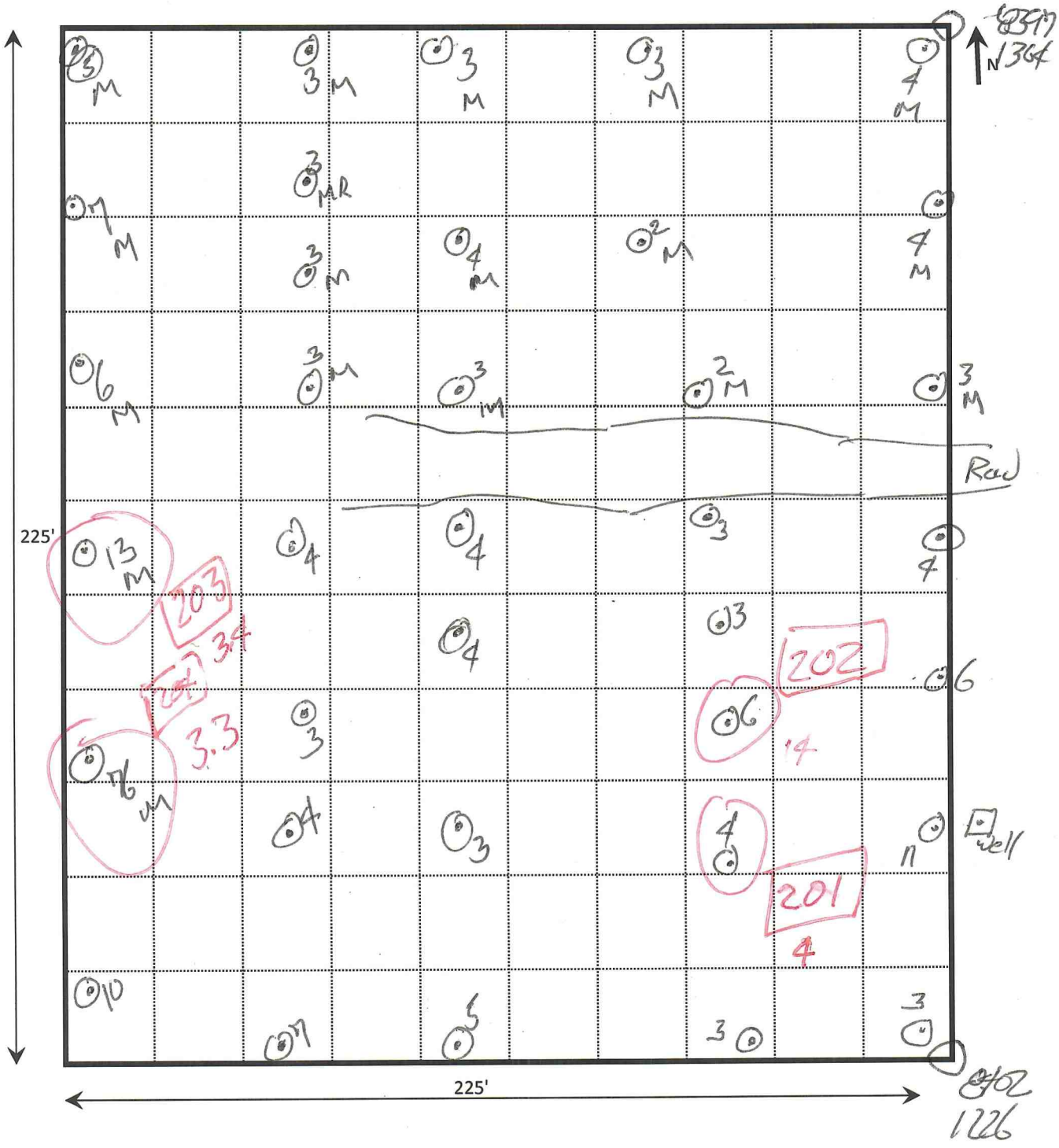
Coordinates are: 11S 34_,___
3,81_,___

Date 7/14

Time 953

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 204

Instrument _____

Baseline _____

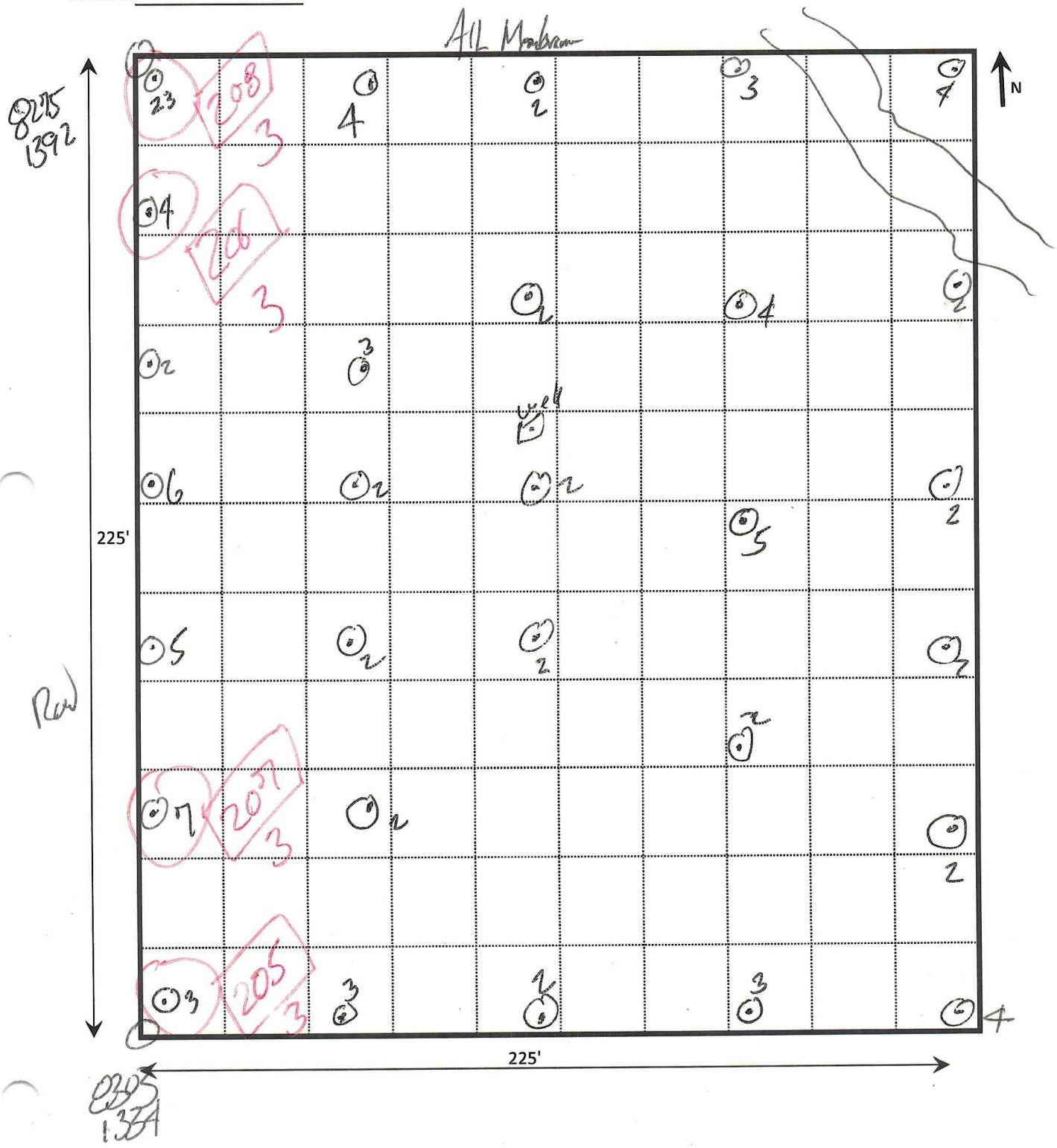
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/14

Time 10:20

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 183

Instrument _____

Baseline _____

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

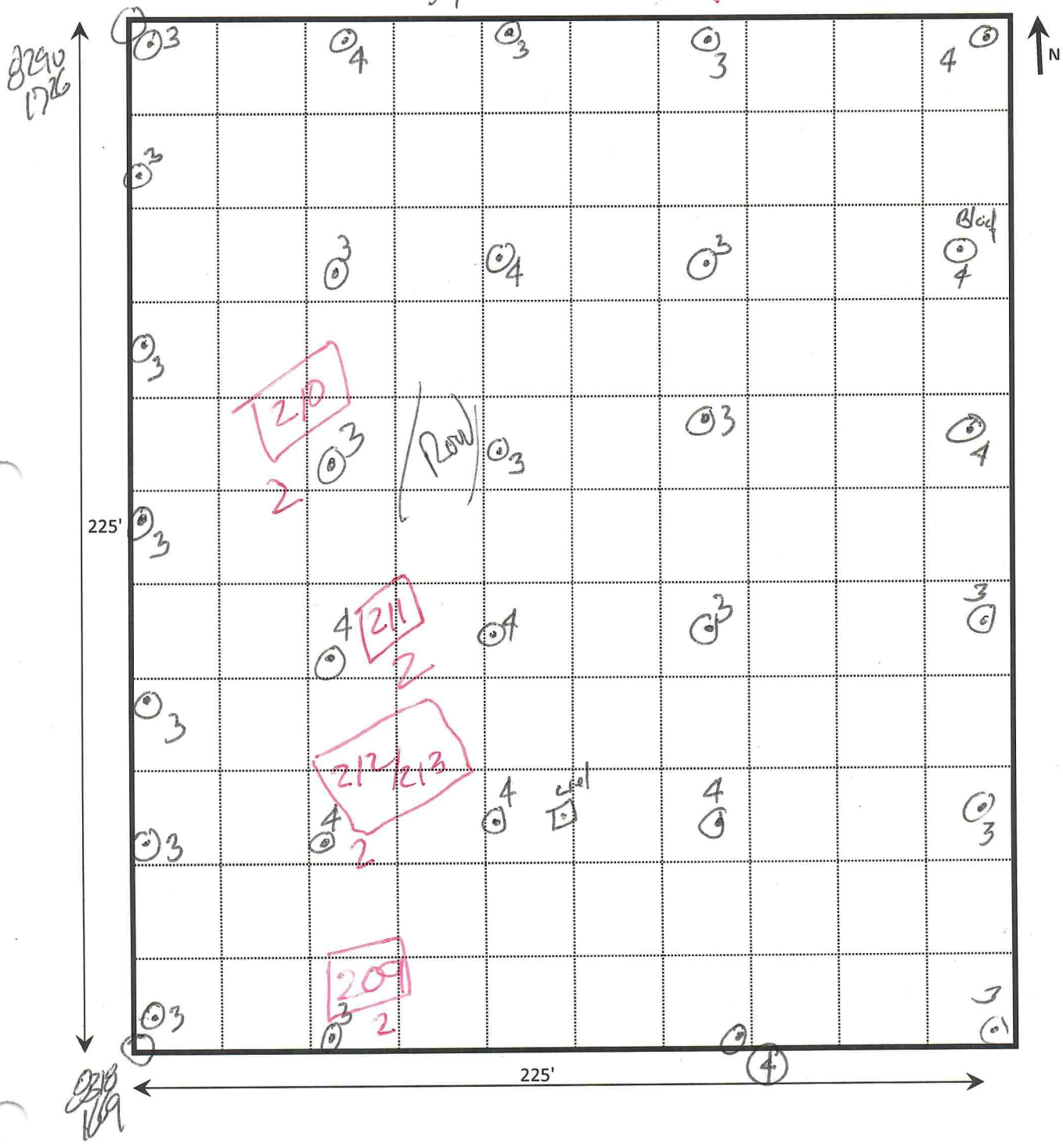
Date 7/14

Time 9:09

Windpeed/Dir _____

Samplers _____

All membrane Any



Chiquita Canyon Landfill
Cell Screening Form

Grid ID ~~Z~~ 213

Instrument _____

Baseline _____

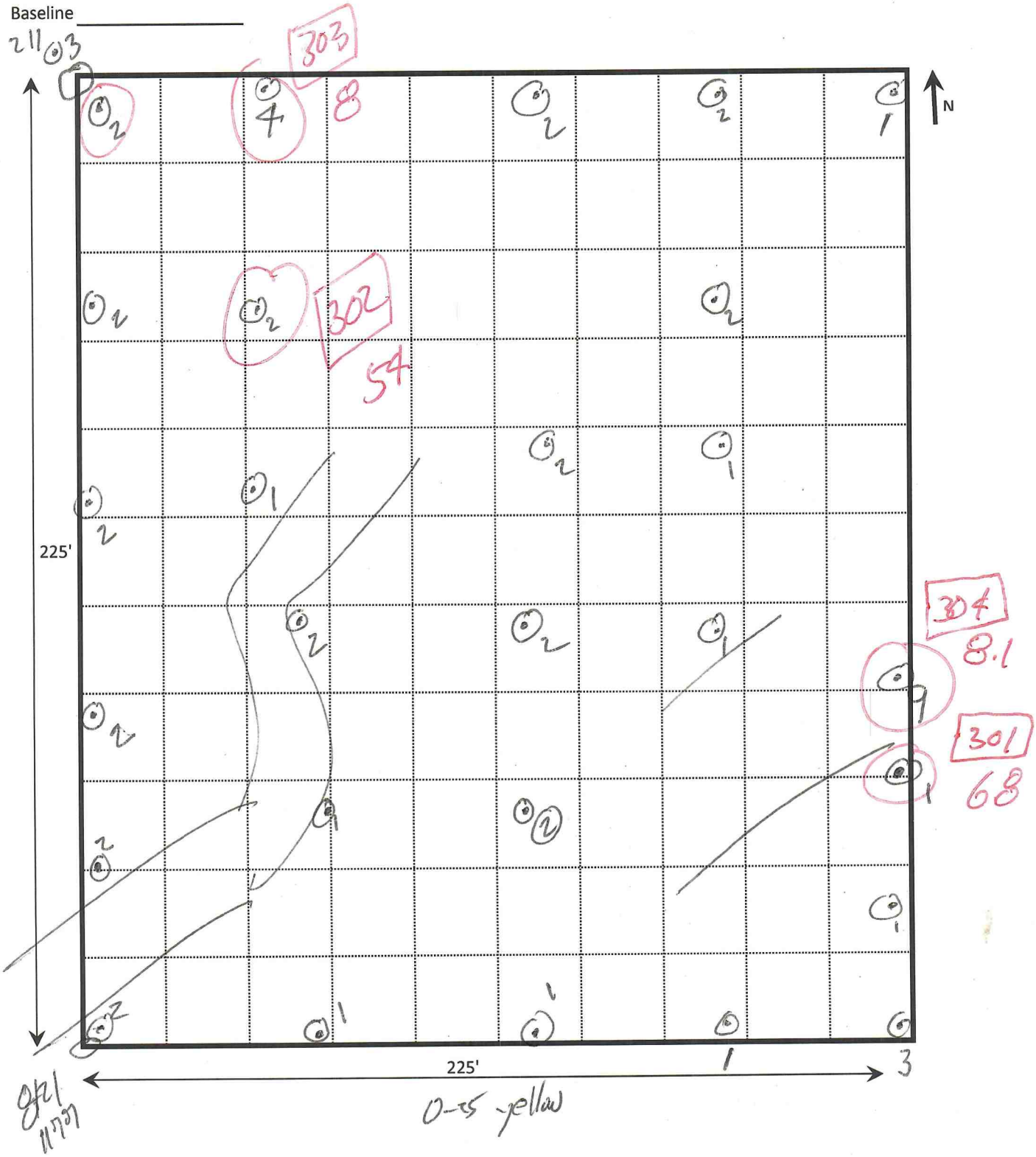
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 9/14

Time 10:56

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 197

Instrument _____

Baseline _____

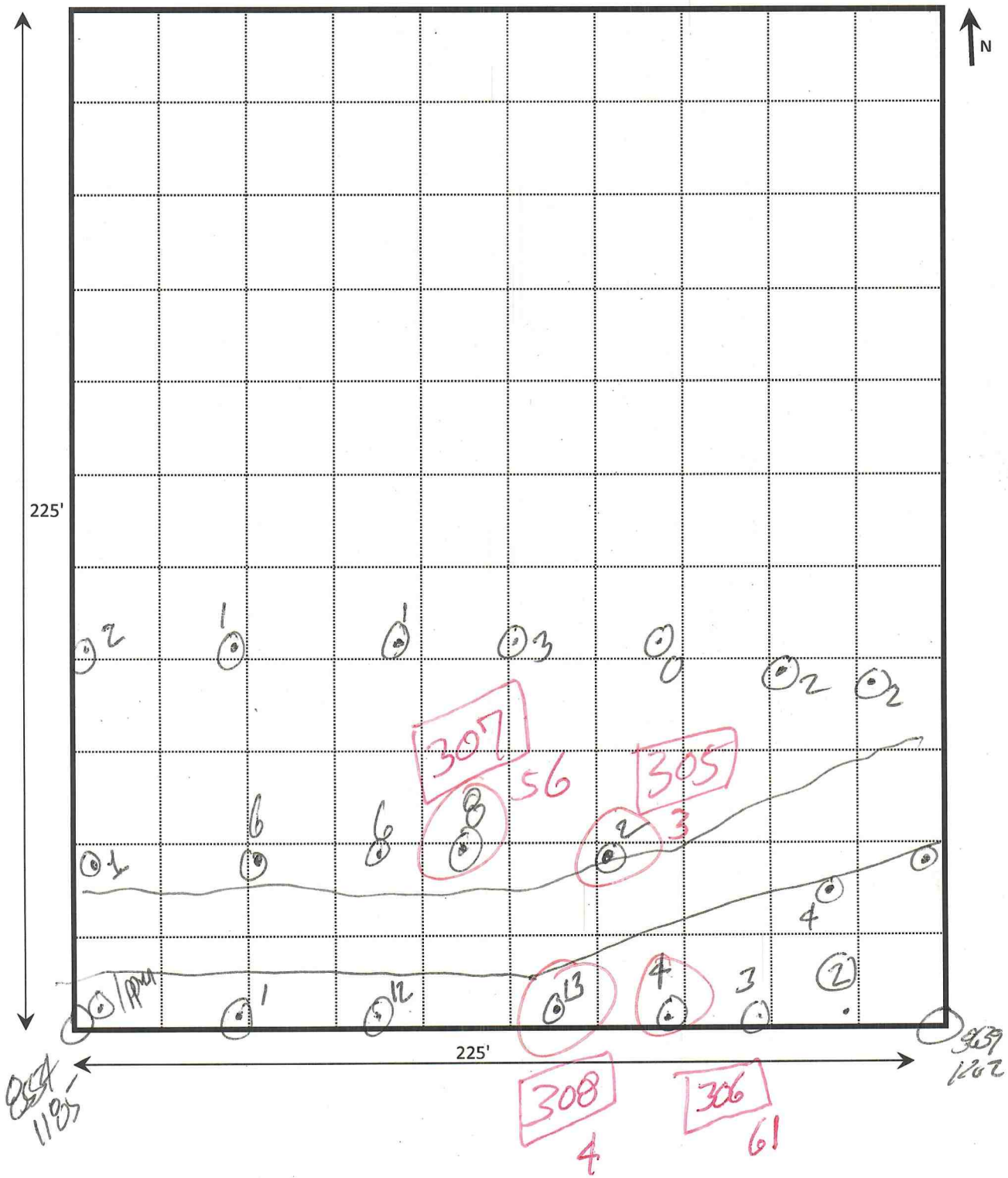
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/14

Time 12:23

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 195

Instrument _____

Baseline _____

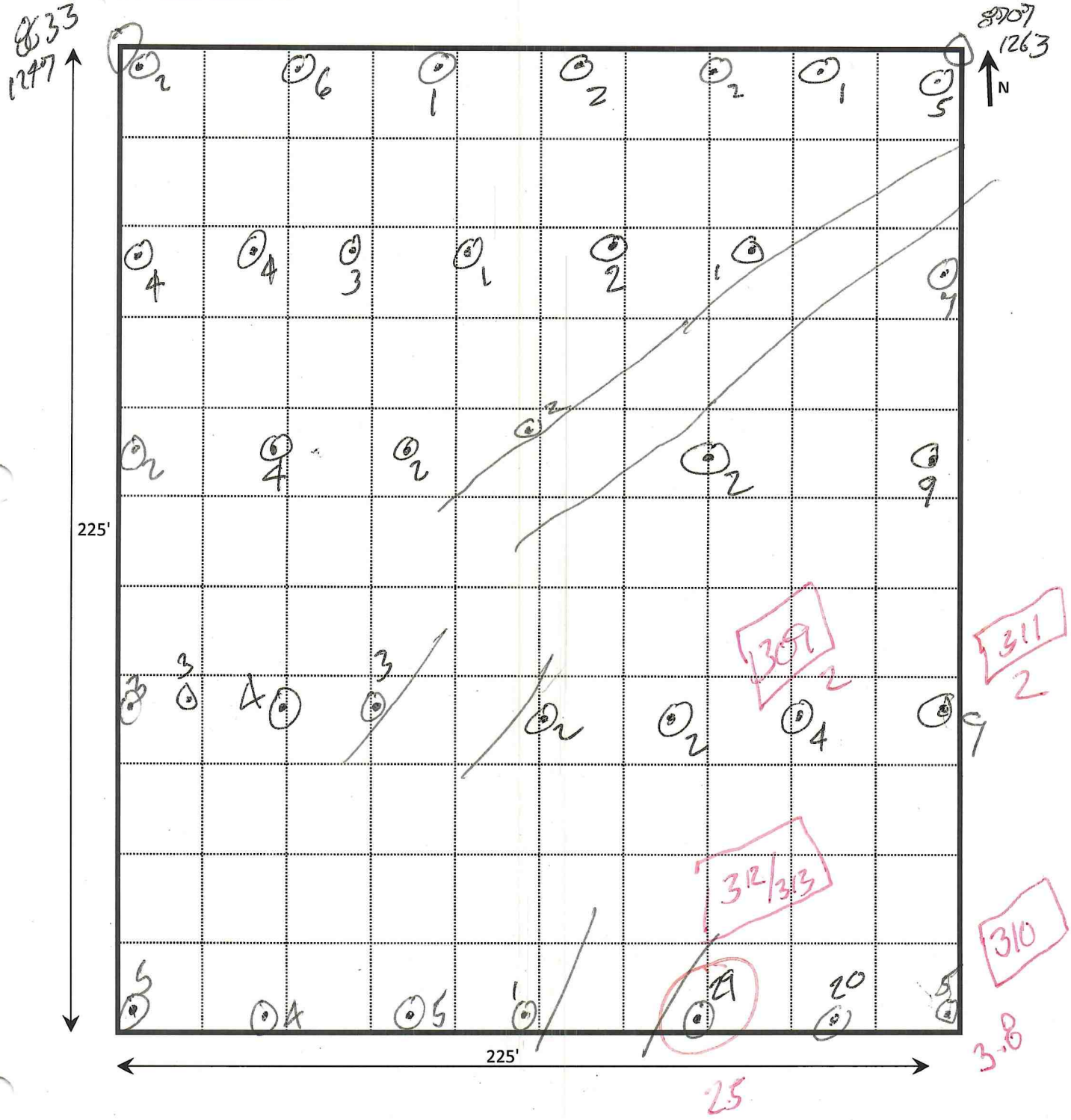
Coordinates are: 11S 34_,___
3,81_,___

Date 7/14

Time 11:58

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 158

Instrument _____

Baseline _____

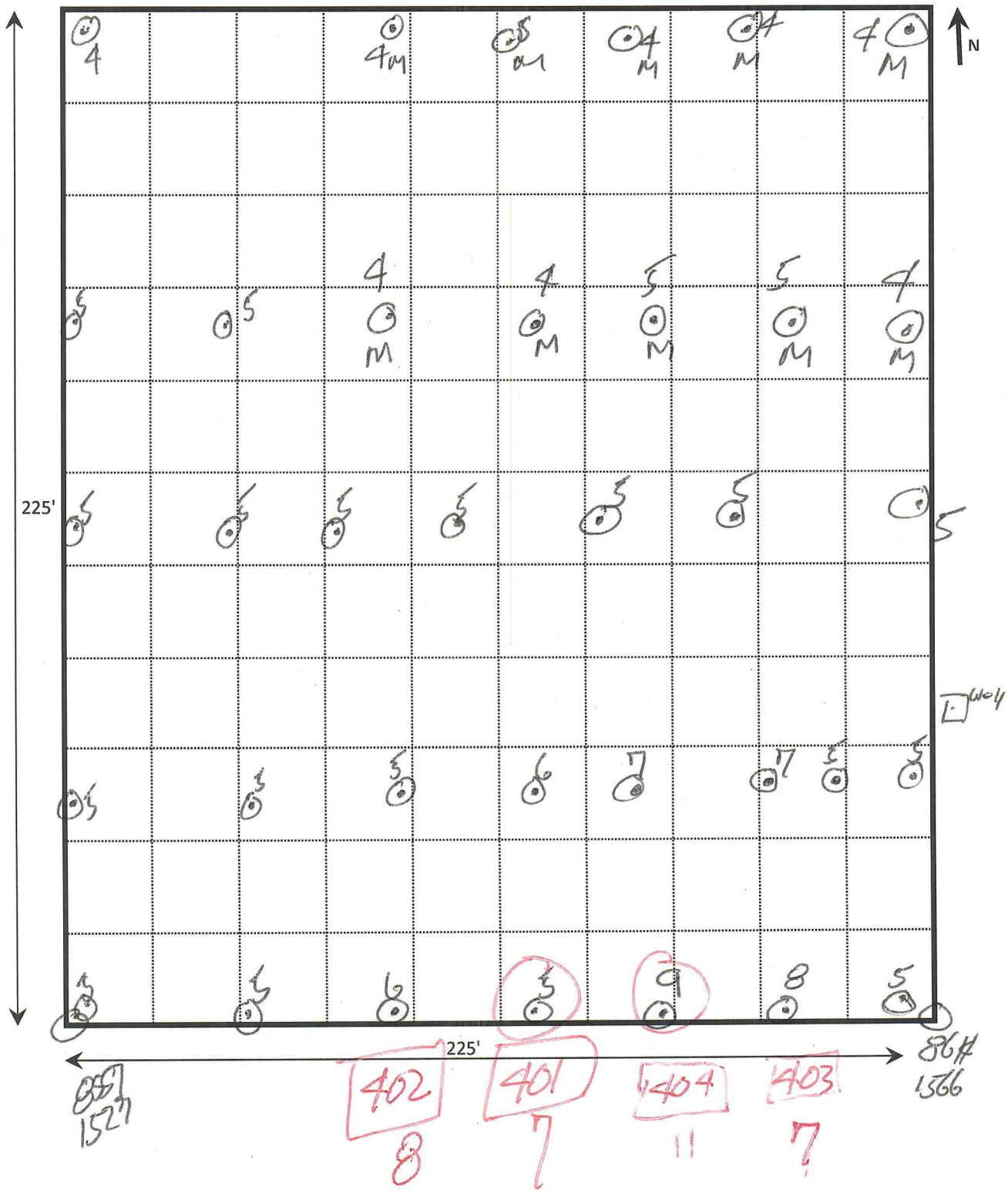
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/14

Time 8:40

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 149

Instrument _____

Baseline _____

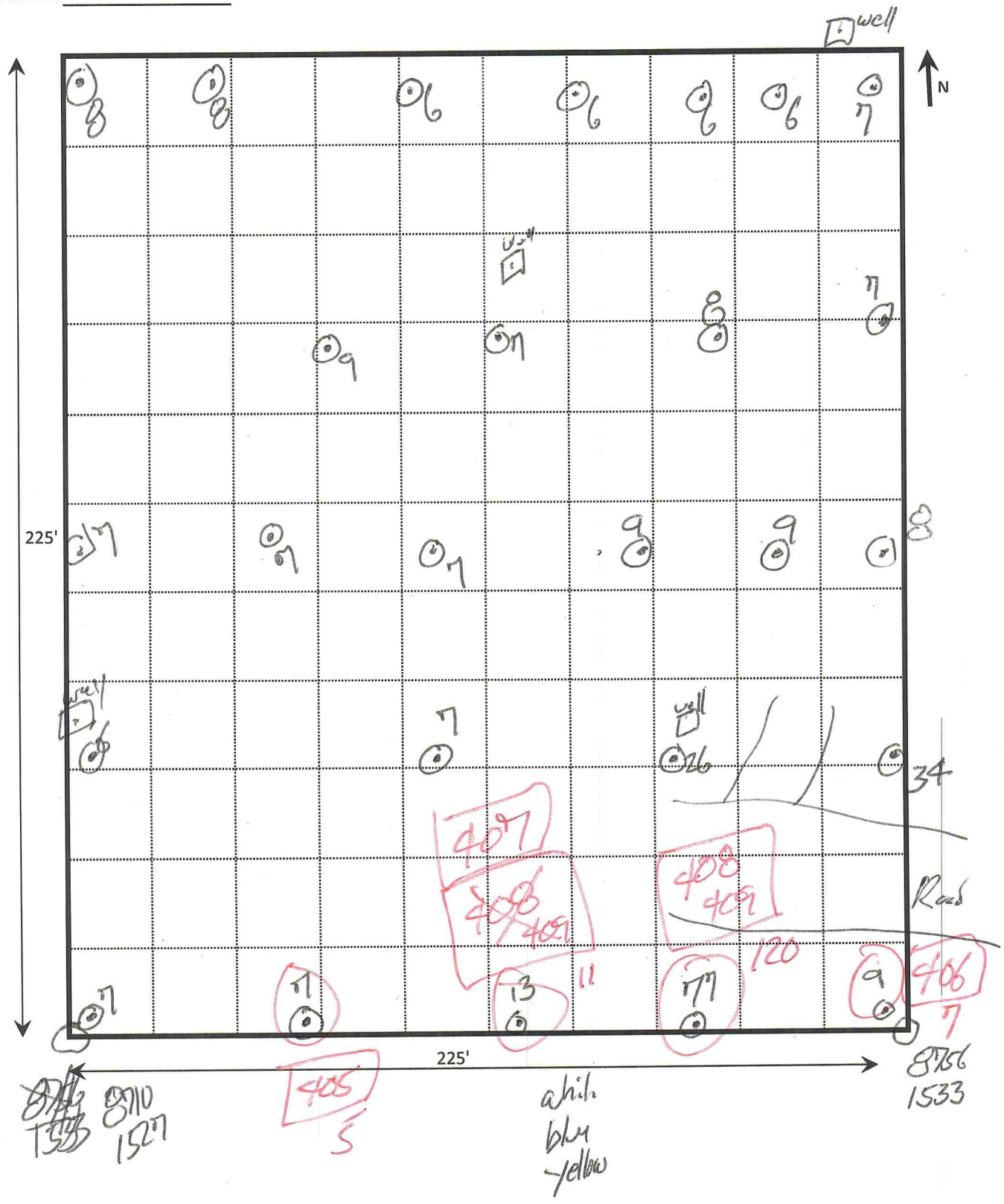
Coordinates are: 11S 34_,___
3,81_,___

Date 7/14

Time 8:16

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 131

Instrument _____

Baseline _____

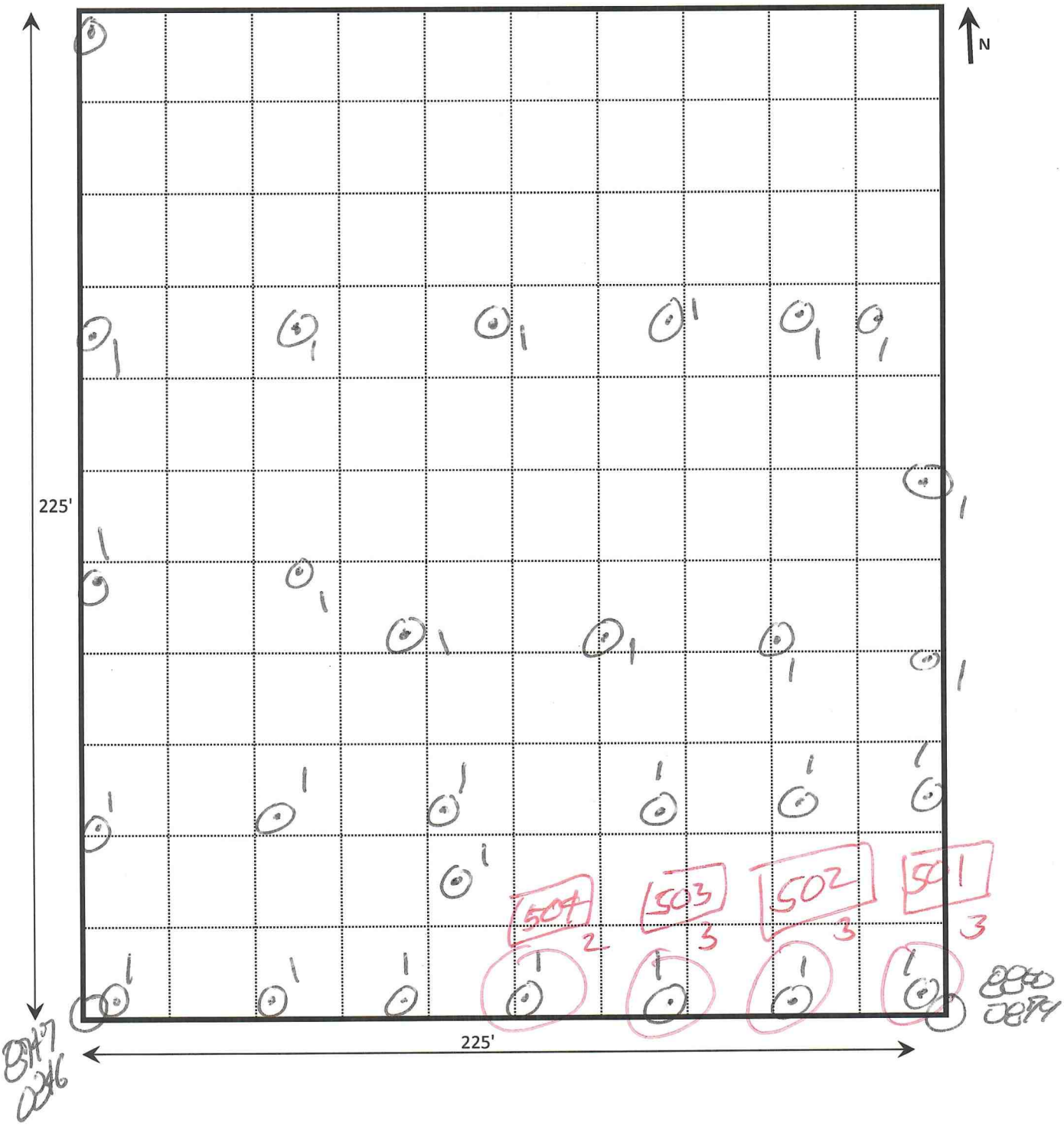
Coordinates are: 11S 34_,___
3,81_,___

Date 7/22

Time 8:31

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 133

Instrument _____

Baseline _____

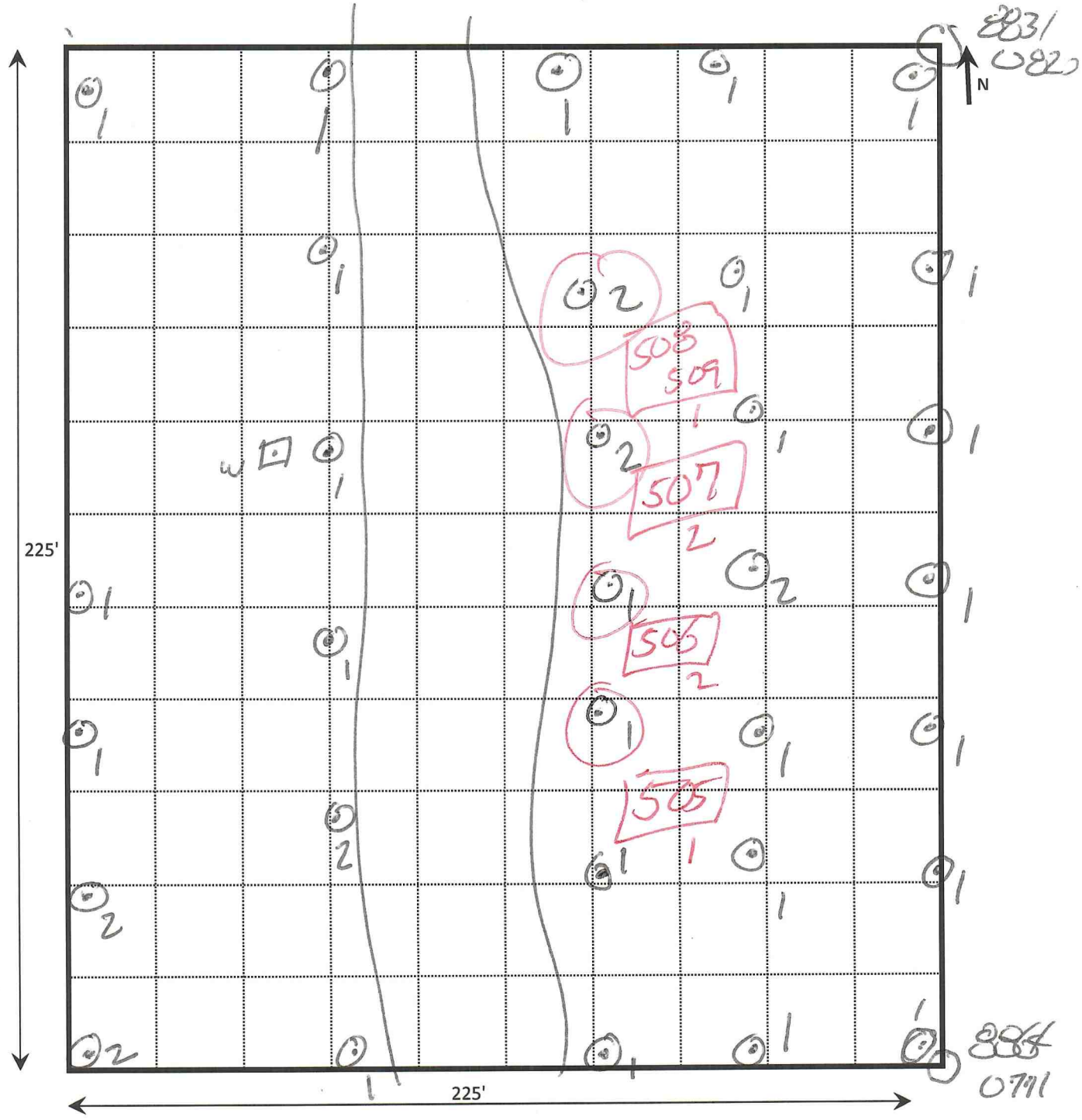
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/22

Time 8:47

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 36

Instrument _____

Baseline _____

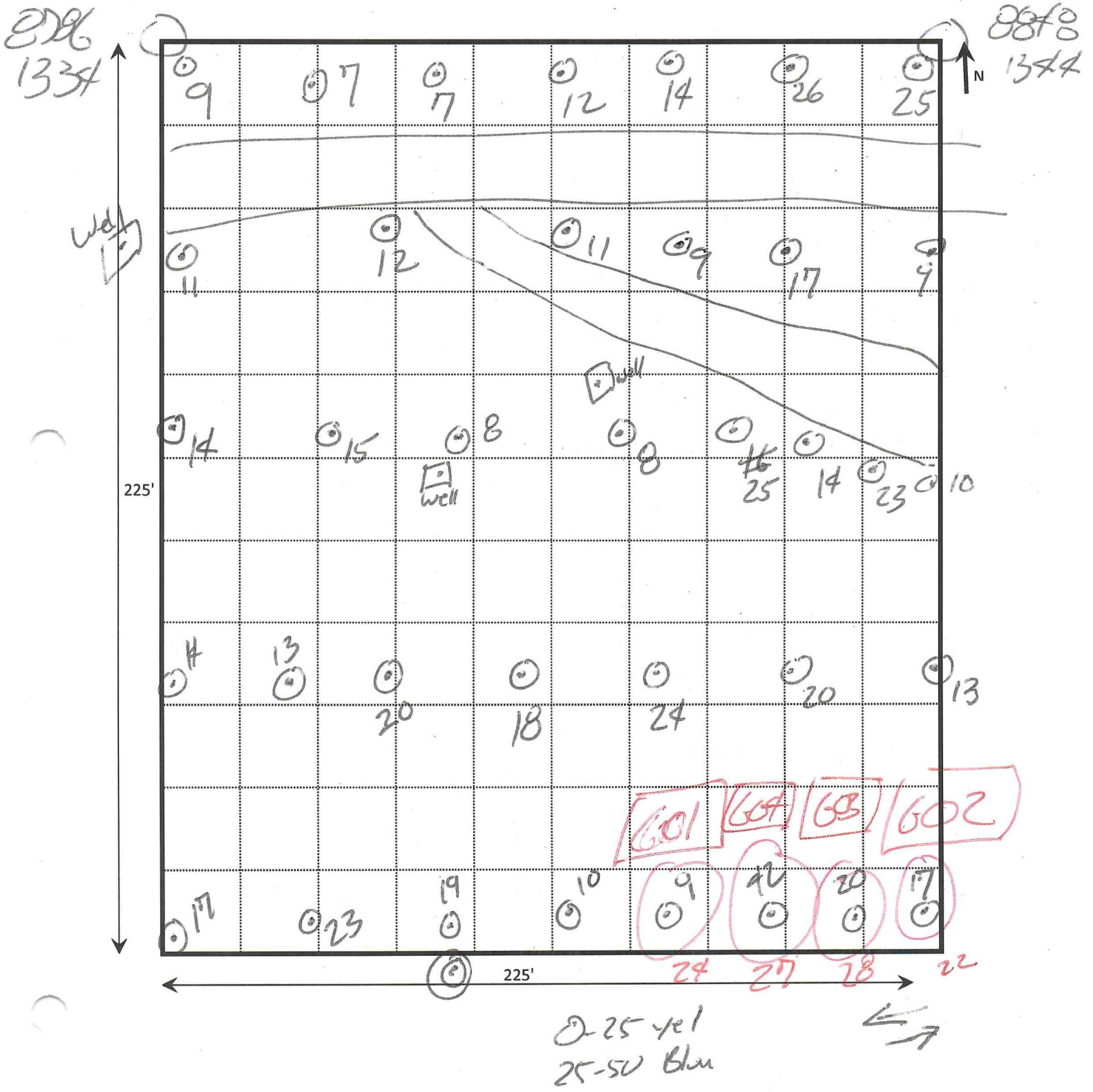
Coordinates are: 11S 34_,___
3,81_,___

Date 7/22

Time 7:25

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 232

Instrument _____

Baseline _____

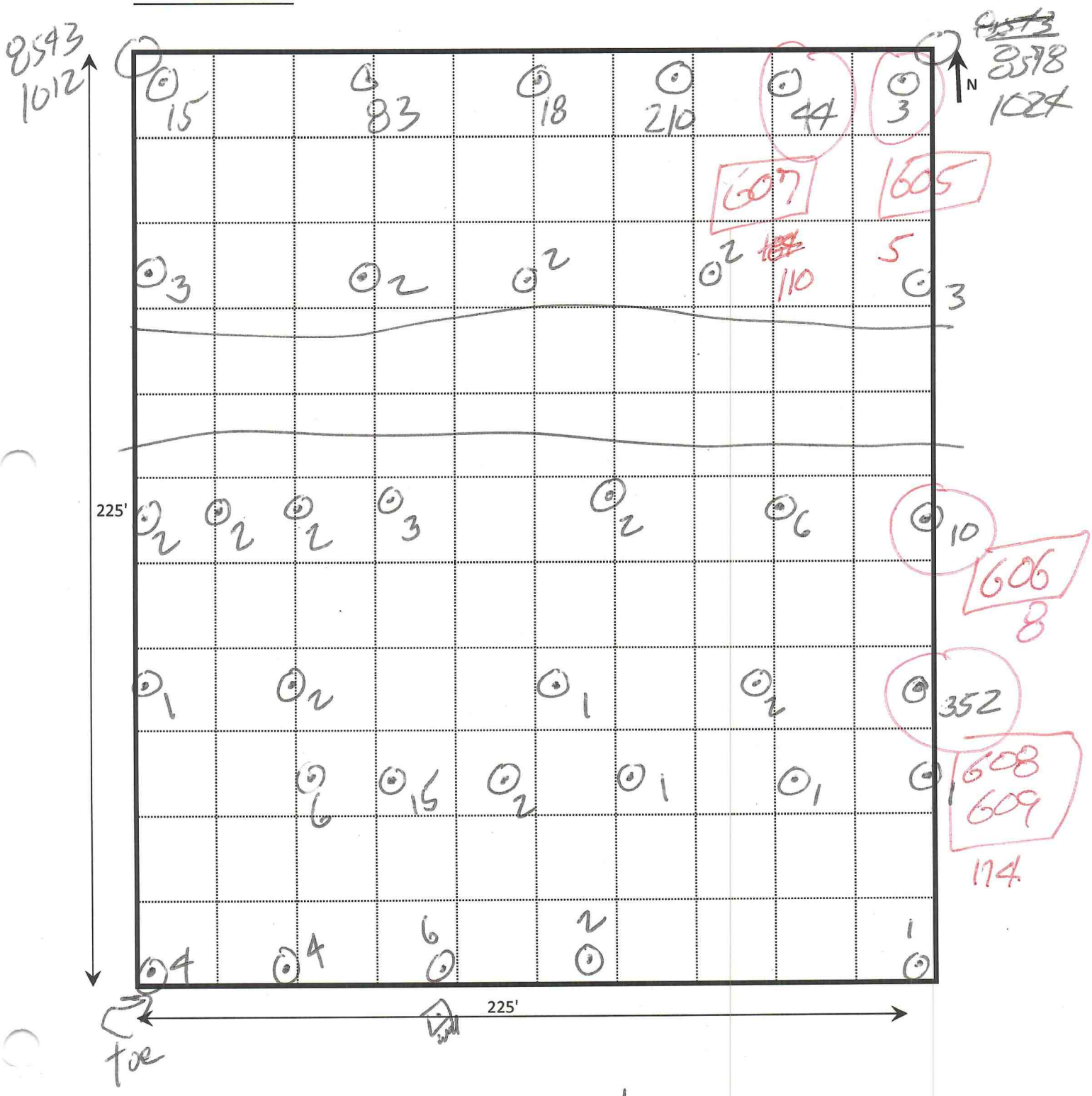
Coordinates are: 11S 34_,___
3,81_,___

Date 7/22

Time 7:57

Windpeed/Dir _____

Samplers _____



> 100 red

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

	(TPY)
Exceedance Area	9,099
Reaction Area	5,930
Membrane	<5.57E+02
Interface	<9.25E+03
Non-Reaction Area	19,525
Average Flux (mg/m2-min)	<6.72E+01
Reaction Area Flux (mg/m2-m)	87
Non-Reaction Area Flux (mg/m2-m)	52
Membrane Flux (mg/m2-min)	<6.05E+00
Interface Flux (mg/m2-min)	<1.79E+02

Legacy Calculation Approach

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

Exceedance Area	9,099
Reaction Area	<3.51E+04
Non-Reaction Area	19,525
Average Flux (mg/m2-min)	<9.66E+01
Membrane Flux (mg/m2-min)	<9.78E+00

Methane

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

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

Legacy Calculation Approach

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

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

VOC (TO-12 C1)

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

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

Legacy Calculation Approach

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

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

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

	(TPY)
Exceedance Area	0.098
Reaction Area	<9.65E-02
Membrane	<1.09E-02
Interface	<3.28E-02
Non-Reaction Area	<2.77E-01
Average Flux (mg/m2-min)	<7.80E-04
Reaction Area Flux (mg/m2-m)	<8.35E-04
Non-Reaction Area Flux (mg/m2-m)	<7.39E-04
Membrane Flux (mg/m2-min)	<1.19E-04
Interface Flux (mg/m2-min)	<6.35E-04

Legacy Calculation Approach

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

Exceedance Area	0.10
Reaction Area	<1.30E-01
Non-Reaction Area	<2.77E-01
Average Flux (mg/m2-min)	<7.65E-04
Membrane Flux (mg/m2-min)	<1.32E-04

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		0.00018	0.00011	0.00015	0.00015	0.00016	1,103,258	102,496	16	19	0.0093
Reaction Area	High	213		0.00143	<1.96E-05	<2.12E-05	0.00016	<5.63E-04	241,924	22,475	<1.27E+01	<1.47E+01	<7.33E-03
Reaction Area	Med	197		0.00197	<7.92E-05	0.00035	<2.96E-05	<1.23E-03	371,049	34,472	<2.27E+01	<2.63E+01	<1.32E-02
Reaction Area	Med	195		<2.00E-05	0.00031	0.00016	0.19675	<8.61E-05					
Reaction Area	Low	149		<2.11E-05	<2.64E-05	<1.94E-05	<2.26E-05	<2.26E-05	908,877	84,437	<1.91E+00	<2.21E+00	<1.10E-03
Membrane	High	204	M	<2.09E-05	<3.22E-05	<2.10E-05	<2.13E-05	<2.34E-05	623,066	57,885	<1.35E+00	<1.57E+00	<7.85E-04
Membrane	Low	183	M	<2.02E-05	<2.24E-05	<2.10E-05	<1.94E-05	<2.09E-05	1,086,870	100,974	<2.11E+00	<2.44E+00	<1.22E-03
Interface	High	75		<2.05E-05	<2.25E-05	<2.98E-05	0.00036	<2.31E-05	176,235	16,373	<3.78E-01	<4.38E-01	<2.19E-04
Interface	Med	158		<3.25E-05	<2.79E-05	<2.00E-05	<4.14E-05	<3.11E-05	229,530	21,324	<6.72E-01	<7.79E-01	<3.89E-04
Interface	Med	211	P	<2.31E-05	0.00008	<1.94E-05	<2.66E-05	<3.19E-05					
Interface	Low	76	P	<2.23E-05	<2.01E-05	<1.35E-04	0.00010	<9.29E-05	554,198	51,487	<4.78E+00	<5.54E+00	<2.77E-03
Non-Reaction Area	High	232		<4.32E-05	<2.29E-05	<3.97E-05	0.00015	<3.91E-05	1,422,799	132,182	<5.16E+00	<5.98E+00	<2.99E-03
Non-Reaction Area	Med	131		<2.15E-05	<2.28E-05	<2.12E-05	<2.38E-05	<2.23E-05	1,836,684	170,634	<4.02E+01	<4.66E+01	<2.33E-02
Non-Reaction Area	Med	86		0.00013	0.00018	0.00126	0.00015	0.00045					
Non-Reaction Area	Low	133		<2.34E-05	<2.19E-05	0.00010	<2.92E-05	<3.68E-05	3,704,751	344,183	<1.27E+01	<1.47E+01	<7.34E-03
Non SEM Area								<1.06E-04	646,053	60,020	<6.35E+00	<7.36E+00	<3.68E-03
							Total		**12,905,294**	**1,198,941**	**<1.27E+02**	**<1.47E+02**	**<7.35E-02**

	(TPY)
Exceedance Area	0.0093
Reaction Area	<2.16E-02
Membrane	<2.01E-03
Interface	<3.38E-03
Non-Reaction Area	<3.36E-02
Average Flux (mg/m2-min)	<1.06E-04
Reaction Area Flux (mg/m2-m)	<1.27E-04
Non-Reaction Area Flux (mg/m2-m)	<8.97E-05
Membrane Flux (mg/m2-min)	<2.18E-05
Interface Flux (mg/m2-min)	<6.54E-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		0.0002	0.0001	0.0002	0.0001	0.0002	1,103,258	102,496	16	19	0.0093
Reaction Area	High	75		<2.05E-05	<2.25E-05	<2.98E-05	0.0004	<2.31E-05	720,877	66,972	<1.55E+00	<1.79E+00	<8.95E-04
Reaction Area	Med	204	M	<2.09E-05	<3.22E-05	<2.10E-05	<2.13E-05	<2.34E-05	1,320,197	122,650	<3.34E+00	<3.87E+00	<1.94E-03
Reaction Area	Med	158		<3.25E-05	<2.79E-05	<2.00E-05	<4.14E-05	<3.11E-05					
Reaction Area	Low	76		<2.23E-05	<2.01E-05	<1.35E-04	0.0001	<9.29E-05	2,150,675	199,804	<1.86E+01	<2.15E+01	<1.07E-02
Non-Reaction Area	High	232		<4.32E-05	<2.29E-05	<3.97E-05	0.0002	<3.91E-05	1,422,799	132,182	<5.16E+00	<5.98E+00	<2.99E-03
Non-Reaction Area	Med	131		<2.15E-05	<2.28E-05	<2.12E-05	<2.38E-05	<2.23E-05	1,836,684	170,634	<4.02E+01	<4.66E+01	<2.33E-02
Non-Reaction Area	Med	86		0.0001	0.0002	0.0013	0.0002	0.0004					
Non-Reaction Area	Low	133		<2.34E-05	<2.19E-05	0.0001	<2.92E-05	<3.68E-05	3,704,751	344,183	<1.27E+01	<1.47E+01	<7.34E-03
Non SEM Area								<8.56E-05	646,053	60,020	5,576	<5.95E+00	<2.98E-03
							Total		**12,905,294**	**1,198,941**	**<9.75E+01**	**<1.13E+02**	**<5.94E-02**

Exceedance Area	0.0093
Reaction Area	<1.36E-02
Non-Reaction Area	<3.36E-02
Average Flux (mg/m2-min)	<8.56E-05
Membrane Flux (mg/m2-min)	<2.30E-05

Methanol

67-56-1

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		0.00127	0.00085	0.00144	0.00013	0.00122	1,103,258	102,496	125	145	0.0727
Reaction Area	High	213		0.00086	0.00047	0.00106	0.00019	0.00066	241,924	22,475	15	17	0.009
Reaction Area	Med	197		0.00621	0.00637	0.00218	0.00029	0.00540	371,049	34,472	124	144	0
Reaction Area	Med	195		0.00024	0.00741	0.00458	0.00809	0.00181					
Reaction Area	Low	149		<4.74E-05	<5.93E-05	0.00011	<5.07E-05	<5.88E-05	908,877	84,437	<4.96E+00	<5.75E+00	<2.87E-03
Membrane	High	204	M	<4.69E-05	<7.23E-05	<4.71E-05	<4.78E-05	<5.25E-05	623,066	57,885	<3.04E+00	<3.52E+00	<1.76E-03
Membrane	Low	183	M	<4.53E-05	<5.04E-05	<4.72E-05	<4.35E-05	<4.69E-05	1,086,870	100,974	<4.73E+00	<5.49E+00	<2.74E-03
Interface	High	75		0.00011	0.00014	0.00147	0.00165	0.00032	176,235	16,373	5	6	0.003
Interface	Med	158		<7.30E-05	<6.27E-05	<4.49E-05	<9.30E-05	<6.99E-05	229,530	21,324	<1.85E+00	<2.15E+00	<1.07E-03
Interface	Med	211	P	<5.19E-05	0.00038	<4.36E-05	<5.98E-05	<1.04E-04					
Interface	Low	76	P	<5.00E-05	<4.51E-05	0.00171	0.00018	<1.10E-03	554,198	51,487	<5.66E+01	<6.56E+01	<3.28E-02
Non-Reaction Area	High	232		0.00185	0.00032	0.00232	0.00217	0.00163	1,422,799	132,182	215	250	0.125
Non-Reaction Area	Med	131		<4.83E-05	0.00012	<4.77E-05	<5.34E-05	<6.73E-05	1,836,684	170,634	<1.51E+02	<1.75E+02	<8.73E-02
Non-Reaction Area	Med	86		0.00156	0.00205	0.00137	0.00104	0.00170					
Non-Reaction Area	Low	133		<5.25E-05	0.00011	<5.50E-05	<6.55E-05	<7.62E-05	3,704,751	344,183	<2.62E+01	<3.04E+01	<1.52E-02
Non SEM Area								<6.44E-04	646,053	60,020	<3.86E+01	<4.48E+01	<2.24E-02
							Total		**12,905,294**	**1,198,941**	**<7.72E+02**	**<8.94E+02**	**<4.47E-01**

	(TPY)
Exceedance Area	0.0727
Reaction Area	<8.35E-02
Membrane	<4.50E-03
Interface	<3.69E-02
Non-Reaction Area	<2.27E-01
Average Flux (mg/m2-min)	<6.44E-04
Reaction Area Flux (mg/m2-m)	<6.93E-04
Non-Reaction Area Flux (mg/m2-m)	<6.06E-04
Membrane Flux (mg/m2-min)	<4.89E-05
Interface Flux (mg/m2-min)	<7.15E-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		0.0013	0.0009	0.0014	0.0001	0.0012	1,103,258	102,496	125	145	0.0727
Reaction Area	High	75		0.0001	0.0001	0.0015	0.0017	0.0003	720,877	66,972	22	25	0.01
Reaction Area	Med	204	M	<4.69E-05	<7.23E-05	<4.71E-05	<4.78E-05	<5.25E-05	1,320,197	122,650	<7.51E+00	<8.70E+00	<4.35E-03
Reaction Area	Med	158		<7.30E-05	<6.27E-05	<4.49E-05	<9.30E-05	<6.99E-05					
Reaction Area	Low	76		<5.00E-05	<4.51E-05	0.0017	0.0002	<1.10E-03	2,150,675	199,804	<2.20E+02	<2.54E+02	<1.27E-01
Non-Reaction Area	High	232		0.0019	0.0003	0.0023	0.0022	0.0016	1,422,799	132,182	215	250	0.12
Non-Reaction Area	Med	131		<4.83E-05	0.0001	<4.77E-05	<5.34E-05	<6.73E-05	1,836,684	170,634	<1.51E+02	<1.75E+02	<8.73E-02
Non-Reaction Area	Med	86		0.0016	0.0021	0.0014	0.0010	0.0017					
Non-Reaction Area	Low	133		<5.25E-05	0.0001	<5.50E-05	<6.55E-05	<7.62E-05	3,704,751	344,183	<2.62E+01	<3.04E+01	<1.52E-02
Non SEM Area								<6.73E-04	646,053	60,020	5,576	<4.68E+01	<2.34E-02
							Total		**12,905,294**	**1,198,941**	**<7.66E+02**	**<8.88E+02**	**<4.67E-01**

Exceedance Area	0.0727
Reaction Area	<1.44E-01
Non-Reaction Area	<2.27E-01
Average Flux (mg/m2-min)	<6.73E-04
Membrane Flux (mg/m2-min)	<5.17E-05

Ethanol
64-17-5

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

	(TPY)
Exceedance Area	<3.83E-02
Reaction Area	<1.15E-02
Membrane	<6.49E-03
Interface	<1.08E-02
Non-Reaction Area	<3.34E-02
Average Flux (mg/m2-min)	<1.52E-04
Reaction Area Flux (mg/m2-m)	<2.35E-04
Non-Reaction Area Flux (mg/m2-m)	<8.90E-05
Membrane Flux (mg/m2-min)	<7.05E-05
Interface Flux (mg/m2-min)	<2.08E-04

Legacy Calculation Approach

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

Exceedance Area	<3.83E-02
Reaction Area	<4.39E-02
Non-Reaction Area	<3.34E-02
Average Flux (mg/m2-min)	<1.75E-04
Membrane Flux (mg/m2-min)	<7.44E-05

Isopropyltoluene
99-87-6

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

	(TPY)
Exceedance Area	<8.55E-03
Reaction Area	<2.59E-02
Membrane	<1.70E-02
Interface	<1.26E-02
Non-Reaction Area	<4.42E-02
Average Flux (mg/m2-min)	<1.64E-04
Reaction Area Flux (mg/m2-m)	<2.24E-04
Non-Reaction Area Flux (mg/m2-m)	<1.18E-04
Membrane Flux (mg/m2-min)	<1.84E-04
Interface Flux (mg/m2-min)	<2.43E-04

Legacy Calculation Approach

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

Exceedance Area	<8.55E-03
Reaction Area	<5.29E-02
Non-Reaction Area	<4.42E-02
Average Flux (mg/m2-min)	<1.60E-04
Membrane Flux (mg/m2-min)	<1.76E-04

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

	(TPY)
Exceedance Area	<1.16E-03
Reaction Area	<1.09E-03
Membrane	<1.03E-03
Interface	<1.71E-03
Non-Reaction Area	<5.31E-03
Average Flux (mg/m2-min)	<1.56E-05
Reaction Area Flux (mg/m2-m)	<1.75E-05
Non-Reaction Area Flux (mg/m2-m)	<1.42E-05
Membrane Flux (mg/m2-min)	<1.12E-05
Interface Flux (mg/m2-min)	<3.31E-05

Legacy Calculation Approach

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

Exceedance Area	<1.16E-03
Reaction Area	<7.00E-03
Non-Reaction Area	<5.31E-03
Average Flux (mg/m2-min)	<2.04E-05
Membrane Flux (mg/m2-min)	<1.19E-05

Propylene
115-07-1

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

	(TPY)
Exceedance Area	<1.32E-03
Reaction Area	<8.44E-03
Membrane	<2.87E-03
Interface	<1.94E-03
Non-Reaction Area	<3.21E-02
Average Flux (mg/m2-min)	<7.07E-05
Reaction Area Flux (mg/m2-m)	<5.11E-05
Non-Reaction Area Flux (mg/m2-m)	<8.56E-05
Membrane Flux (mg/m2-min)	<3.12E-05
Interface Flux (mg/m2-min)	<3.75E-05

Legacy Calculation Approach

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

Exceedance Area	<1.32E-03
Reaction Area	<8.10E-03
Non-Reaction Area	<3.21E-02
Average Flux (mg/m2-min)	<6.29E-05
Membrane Flux (mg/m2-min)	<2.33E-05

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		<6.34E-05	<3.99E-05	<5.42E-05	0.00134	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	213		<5.22E-05	<2.89E-05	<3.12E-05	<3.57E-05	<3.80E-05	241,924	22,475	<8.55E-01	<9.90E-01	<4.95E-04
Reaction Area	Med	197		<5.48E-05	0.00430	<4.16E-05	<4.36E-05	<9.46E-04	371,049	34,472	<1.69E+01	<1.95E+01	<9.77E-03
Reaction Area	Med	195		<2.94E-05	<3.65E-05	<4.24E-05	0.00835	<3.23E-05					
Reaction Area	Low	149		<3.11E-05	<3.89E-05	<2.85E-05	<3.33E-05	<3.33E-05	908,877	84,437	<2.81E+00	<3.25E+00	<1.63E-03
Membrane	High	204	M	0.00011	<4.74E-05	0.00022	<3.14E-05	<1.06E-04	623,066	57,885	<6.13E+00	<7.10E+00	<3.55E-03
Membrane	Low	183	M	0.00017	<3.30E-05	0.00009	0.00012	<1.04E-04	1,086,870	100,974	<1.05E+01	<1.22E+01	<6.10E-03
Interface	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	176,235	16,373	<5.56E-01	<6.44E-01	<3.22E-04
Interface	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05	229,530	21,324	<8.52E-01	<9.87E-01	<4.93E-04
Interface	Med	211	P	<3.40E-05	<3.73E-05	<2.86E-05	<3.92E-05	<3.40E-05					
Interface	Low	76	P	<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	554,198	51,487	<7.04E+00	<8.16E+00	<4.08E-03
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<6.81E-05	646,053	60,020	<4.09E+00	<4.74E+00	<2.37E-03
							Total		**12,905,294**	**1,198,941**	**<8.17E+01**	**<9.47E+01**	**<4.73E-02**

	(TPY)
Exceedance Area	<3.33E-03
Reaction Area	<1.19E-02
Membrane	<9.65E-03
Interface	<4.90E-03
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<6.81E-05
Reaction Area Flux (mg/m2-m)	<1.04E-04
Non-Reaction Area Flux (mg/m2-m)	<4.05E-05
Membrane Flux (mg/m2-min)	<1.05E-04
Interface Flux (mg/m2-min)	<9.47E-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		<6.34E-05	<3.99E-05	<5.42E-05	0.0013	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	720,877	66,972	<2.28E+00	<2.64E+00	<1.32E-03
Reaction Area	Med	204	M	0.0001	<4.74E-05	0.0002	<3.14E-05	<1.06E-04	1,320,197	122,650	<9.30E+00	<1.08E+01	<5.39E-03
Reaction Area	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05					
Reaction Area	Low	76		<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	2,150,675	199,804	<2.73E+01	<3.17E+01	<1.58E-02
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<6.22E-05	646,053	60,020	5,576	<4.33E+00	<2.16E-03
							Total		**12,905,294**	**1,198,941**	**<7.09E+01**	**<8.21E+01**	**<4.32E-02**

Exceedance Area	<3.33E-03
Reaction Area	<2.25E-02
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<6.22E-05
Membrane Flux (mg/m2-min)	<8.34E-05

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		0.00025	<2.11E-05	<2.86E-05	<1.84E-05	<1.43E-04	1,103,258	102,496	<1.47E+01	<1.70E+01	<8.51E-03
Reaction Area	High	213		<2.76E-05	<1.53E-05	0.00025	<1.89E-05	<3.80E-05	241,924	22,475	<8.55E-01	<9.90E-01	<4.95E-04
Reaction Area	Med	197		0.00073	<6.16E-05	0.00042	<2.30E-05	<5.24E-04	371,049	34,472	<1.24E+01	<1.43E+01	<7.17E-03
Reaction Area	Med	195		<1.55E-05	0.00084	0.00050	0.00223	<1.94E-04					
Reaction Area	Low	149		<1.64E-05	<2.05E-05	<1.51E-05	0.00014	<1.76E-05	908,877	84,437	<1.48E+00	<1.72E+00	<8.60E-04
Membrane	High	204	M	<1.62E-05	<2.50E-05	<1.63E-05	<1.66E-05	<1.82E-05	623,066	57,885	<1.05E+00	<1.22E+00	<6.11E-04
Membrane	Low	183	M	<1.57E-05	<1.74E-05	<1.63E-05	<1.51E-05	<1.62E-05	1,086,870	100,974	<1.64E+00	<1.90E+00	<9.50E-04
Interface	High	75		<1.59E-05	<1.75E-05	<2.31E-05	0.00040	<1.80E-05	176,235	16,373	<2.94E-01	<3.41E-01	<1.70E-04
Interface	Med	158		<2.53E-05	<2.17E-05	<1.56E-05	<3.22E-05	<2.42E-05	229,530	21,324	<4.50E-01	<5.21E-01	<2.61E-04
Interface	Med	211	P	<1.80E-05	<1.97E-05	<1.51E-05	<2.07E-05	<1.80E-05					
Interface	Low	76	P	<1.73E-05	<1.56E-05	<1.05E-04	<2.00E-05	<7.22E-05	554,198	51,487	<3.72E+00	<4.31E+00	<2.16E-03
Non-Reaction Area	High	232		0.00037	<1.78E-05	<3.09E-05	<3.88E-05	<2.65E-04	1,422,799	132,182	<3.51E+01	<4.06E+01	<2.03E-02
Non-Reaction Area	Med	131		<1.67E-05	<1.78E-05	<1.65E-05	<1.85E-05	<1.74E-05	1,836,684	170,634	<1.16E+01	<1.35E+01	<6.75E-03
Non-Reaction Area	Med	86		0.00014	<1.82E-05	0.00018	0.00011	<1.19E-04					
Non-Reaction Area	Low	133		<1.82E-05	<1.71E-05	<1.91E-05	<2.27E-05	<1.92E-05	3,704,751	344,183	<6.60E+00	<7.65E+00	<3.83E-03
Non SEM Area								<7.89E-05	646,053	60,020	<4.74E+00	<5.49E+00	<2.74E-03
							Total		**12,905,294**	**1,198,941**	**<9.46E+01**	**<1.10E+02**	**<5.48E-02**

	(TPY)
Exceedance Area	<8.51E-03
Reaction Area	<8.53E-03
Membrane	<1.56E-03
Interface	<2.59E-03
Non-Reaction Area	<3.09E-02
Average Flux (mg/m2-min)	<7.89E-05
Reaction Area Flux (mg/m2-m)	<7.43E-05
Non-Reaction Area Flux (mg/m2-m)	<8.24E-05
Membrane Flux (mg/m2-min)	<1.70E-05
Interface Flux (mg/m2-min)	<5.00E-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		0.0002	<2.11E-05	<2.86E-05	<1.84E-05	<1.43E-04	1,103,258	102,496	<1.47E+01	<1.70E+01	<8.51E-03
Reaction Area	High	75		<1.59E-05	<1.75E-05	<2.31E-05	0.0004	<1.80E-05	720,877	66,972	<1.20E+00	<1.39E+00	<6.97E-04
Reaction Area	Med	204	M	<1.62E-05	<2.50E-05	<1.63E-05	<1.66E-05	<1.82E-05	1,320,197	122,650	<2.60E+00	<3.01E+00	<1.51E-03
Reaction Area	Med	158		<2.53E-05	<2.17E-05	<1.56E-05	<3.22E-05	<2.42E-05					
Reaction Area	Low	76		<1.73E-05	<1.56E-05	<1.05E-04	<2.00E-05	<7.22E-05	2,150,675	199,804	<1.44E+01	<1.67E+01	<8.36E-03
Non-Reaction Area	High	232		0.0004	<1.78E-05	<3.09E-05	<3.88E-05	<2.65E-04	1,422,799	132,182	<3.51E+01	<4.06E+01	<2.03E-02
Non-Reaction Area	Med	131		<1.67E-05	<1.78E-05	<1.65E-05	<1.85E-05	<1.74E-05	1,836,684	170,634	<1.16E+01	<1.35E+01	<6.75E-03
Non-Reaction Area	Med	86		0.0001	<1.82E-05	0.0002	0.0001	<1.19E-04					
Non-Reaction Area	Low	133		<1.82E-05	<1.71E-05	<1.91E-05	<2.27E-05	<1.92E-05	3,704,751	344,183	<6.60E+00	<7.65E+00	<3.83E-03
Non SEM Area								<7.57E-05	646,053	60,020	5,576	<5.27E+00	<2.63E-03
							Total		**12,905,294**	**1,198,941**	**<8.62E+01**	**<9.99E+01**	**<5.26E-02**

Exceedance Area	<8.51E-03
Reaction Area	<1.06E-02
Non-Reaction Area	<3.09E-02
Average Flux (mg/m2-min)	<7.57E-05
Membrane Flux (mg/m2-min)	<1.79E-05

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

	(TPY)
Exceedance Area	<8.68E-03
Reaction Area	<1.51E-02
Membrane	<2.15E-02
Interface	<1.28E-02
Non-Reaction Area	<7.21E-02
Average Flux (mg/m2-min)	<1.97E-04
Reaction Area Flux (mg/m2-m)	<2.04E-04
Non-Reaction Area Flux (mg/m2-m)	<1.92E-04
Membrane Flux (mg/m2-min)	<2.34E-04
Interface Flux (mg/m2-min)	<2.48E-04

Legacy Calculation Approach

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

Exceedance Area	<8.68E-03
Reaction Area	<5.28E-02
Non-Reaction Area	<7.21E-02
Average Flux (mg/m2-min)	<2.02E-04
Membrane Flux (mg/m2-min)	<1.25E-04

o-Xylene
95-47-6

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		<6.34E-05	<3.99E-05	<5.42E-05	0.00071	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	213		<5.22E-05	<2.89E-05	<3.12E-05	<3.57E-05	<3.80E-05	241,924	22,475	<8.55E-01	<9.90E-01	<4.95E-04
Reaction Area	Med	197		<5.48E-05	0.00207	<4.16E-05	<4.36E-05	<4.75E-04	371,049	34,472	<8.74E+00	<1.01E+01	<5.07E-03
Reaction Area	Med	195		<2.94E-05	<3.65E-05	<4.24E-05	0.00426	<3.21E-05					
Reaction Area	Low	149		<3.11E-05	<3.89E-05	<2.85E-05	<3.33E-05	<3.33E-05	908,877	84,437	<2.81E+00	<3.25E+00	<1.63E-03
Membrane	High	204	M	<3.07E-05	<4.74E-05	0.00008	<3.14E-05	<3.84E-05	623,066	57,885	<2.22E+00	<2.58E+00	<1.29E-03
Membrane	Low	183	M	0.00008	<3.30E-05	<3.09E-05	<2.85E-05	<4.50E-05	1,086,870	100,974	<4.54E+00	<5.26E+00	<2.63E-03
Interface	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	176,235	16,373	<5.56E-01	<6.44E-01	<3.22E-04
Interface	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05	229,530	21,324	<8.52E-01	<9.87E-01	<4.93E-04
Interface	Med	211	P	<3.40E-05	<3.73E-05	<2.86E-05	<3.92E-05	<3.40E-05					
Interface	Low	76	P	<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	554,198	51,487	<7.04E+00	<8.16E+00	<4.08E-03
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<5.23E-05	646,053	60,020	<3.14E+00	<3.64E+00	<1.82E-03
							Total		**12,905,294**	**1,198,941**	**<6.27E+01**	**<7.27E+01**	**<3.63E-02**

	(TPY)
Exceedance Area	<3.33E-03
Reaction Area	<7.19E-03
Membrane	<3.92E-03
Interface	<4.90E-03
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<5.23E-05
Reaction Area Flux (mg/m2-m)	<6.78E-05
Non-Reaction Area Flux (mg/m2-m)	<4.05E-05
Membrane Flux (mg/m2-min)	<4.26E-05
Interface Flux (mg/m2-min)	<9.47E-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		<6.34E-05	<3.99E-05	<5.42E-05	0.0007	<5.61E-05	1,103,258	102,496	<5.75E+00	<6.66E+00	<3.33E-03
Reaction Area	High	75		<3.01E-05	<3.32E-05	<4.38E-05	<1.05E-04	<3.40E-05	720,877	66,972	<2.28E+00	<2.64E+00	<1.32E-03
Reaction Area	Med	204	M	<3.07E-05	<4.74E-05	0.0001	<3.14E-05	<3.84E-05	1,320,197	122,650	<5.17E+00	<5.99E+00	<2.99E-03
Reaction Area	Med	158		<4.79E-05	<4.11E-05	<2.95E-05	<6.10E-05	<4.59E-05					
Reaction Area	Low	76		<3.28E-05	<2.96E-05	<1.98E-04	<3.79E-05	<1.37E-04	2,150,675	199,804	<2.73E+01	<3.17E+01	<1.58E-02
Non-Reaction Area	High	232		<6.36E-05	<3.37E-05	<5.85E-05	<7.34E-05	<5.75E-05	1,422,799	132,182	<7.61E+00	<8.81E+00	<4.41E-03
Non-Reaction Area	Med	131		<3.17E-05	<3.36E-05	<3.13E-05	<3.50E-05	<3.29E-05	1,836,684	170,634	<6.12E+00	<7.09E+00	<3.55E-03
Non-Reaction Area	Med	86		<3.69E-05	<3.44E-05	<4.29E-05	<3.14E-05	<3.88E-05					
Non-Reaction Area	Low	133		<3.44E-05	<3.23E-05	<3.61E-05	<4.29E-05	<3.63E-05	3,704,751	344,183	<1.25E+01	<1.45E+01	<7.24E-03
Non SEM Area								<5.86E-05	646,053	60,020	5,576	<4.08E+00	<2.04E-03
							Total		**12,905,294**	**1,198,941**	**<6.67E+01**	**<7.73E+01**	**<4.07E-02**

Exceedance Area	<3.33E-03
Reaction Area	<2.01E-02
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<5.86E-05
Membrane Flux (mg/m2-min)	<4.21E-05

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		<1.12E-04	<7.02E-05	<9.54E-05	0.00101	<9.87E-05	1,103,258	102,496	<1.01E+01	<1.17E+01	<5.86E-03
Reaction Area	High	213		<9.19E-05	<5.08E-05	<5.49E-05	<6.29E-05	<6.70E-05	241,924	22,475	<1.50E+00	<1.74E+00	<8.72E-04
Reaction Area	Med	197		<9.64E-05	<2.05E-04	<7.33E-05	<7.68E-05	<1.15E-04	371,049	34,472	<2.95E+00	<3.41E+00	<1.71E-03
Reaction Area	Med	195		<5.18E-05	<6.43E-05	<7.47E-05	0.00229	<5.64E-05					
Reaction Area	Low	149		<5.47E-05	<6.84E-05	<5.02E-05	<5.86E-05	<5.86E-05	908,877	84,437	<4.95E+00	<5.73E+00	<2.87E-03
Membrane	High	204	M	<5.41E-05	<8.35E-05	0.00017	<5.52E-05	<6.93E-05	623,066	57,885	<4.01E+00	<4.65E+00	<2.32E-03
Membrane	Low	183	M	0.00013	<5.82E-05	<5.45E-05	0.00012	<9.17E-05	1,086,870	100,974	<9.26E+00	<1.07E+01	<5.37E-03
Interface	High	75		<5.31E-05	<5.84E-05	<7.72E-05	<1.85E-04	<5.98E-05	176,235	16,373	<9.79E-01	<1.13E+00	<5.67E-04
Interface	Med	158		<8.43E-05	<7.23E-05	<5.19E-05	<1.07E-04	<8.07E-05	229,530	21,324	<1.50E+00	<1.74E+00	<8.69E-04
Interface	Med	211	P	<5.99E-05	<6.57E-05	<5.04E-05	<6.90E-05	<5.99E-05					
Interface	Low	76	P	<5.77E-05	<5.21E-05	<3.49E-04	<6.67E-05	<2.41E-04	554,198	51,487	<1.24E+01	<1.44E+01	<7.18E-03
Non-Reaction Area	High	232		<1.12E-04	<5.94E-05	<1.03E-04	<1.29E-04	<1.01E-04	1,422,799	132,182	<1.34E+01	<1.55E+01	<7.76E-03
Non-Reaction Area	Med	131		<5.58E-05	<5.92E-05	<5.51E-05	<6.16E-05	<5.79E-05	1,836,684	170,634	<1.08E+01	<1.25E+01	<6.24E-03
Non-Reaction Area	Med	86		<6.49E-05	<6.06E-05	<7.55E-05	<5.54E-05	<6.84E-05					
Non-Reaction Area	Low	133		<6.06E-05	<5.69E-05	<6.35E-05	<7.56E-05	<6.39E-05	3,704,751	344,183	<2.20E+01	<2.55E+01	<1.28E-02
Non SEM Area								<8.24E-05	646,053	60,020	<4.95E+00	<5.73E+00	<2.87E-03
							Total		**12,905,294**	**1,198,941**	**<9.88E+01**	**<1.14E+02**	**<5.72E-02**

	(TPY)
Exceedance Area	<5.86E-03
Reaction Area	<5.44E-03
Membrane	<7.69E-03
Interface	<8.62E-03
Non-Reaction Area	<2.68E-02
Average Flux (mg/m2-min)	<8.24E-05
Reaction Area Flux (mg/m2-m)	<9.69E-05
Non-Reaction Area Flux (mg/m2-m)	<7.14E-05
Membrane Flux (mg/m2-min)	<8.36E-05
Interface Flux (mg/m2-min)	<1.67E-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		<1.12E-04	<7.02E-05	<9.54E-05	0.0010	<9.87E-05	1,103,258	102,496	<1.01E+01	<1.17E+01	<5.86E-03
Reaction Area	High	75		<5.31E-05	<5.84E-05	<7.72E-05	<1.85E-04	<5.98E-05	720,877	66,972	<4.01E+00	<4.64E+00	<2.32E-03
Reaction Area	Med	204	M	<5.41E-05	<8.35E-05	0.0002	<5.52E-05	<6.93E-05	1,320,197	122,650	<9.20E+00	<1.07E+01	<5.33E-03
Reaction Area	Med	158		<8.43E-05	<7.23E-05	<5.19E-05	<1.07E-04	<8.07E-05					
Reaction Area	Low	76		<5.77E-05	<5.21E-05	<3.49E-04	<6.67E-05	<2.41E-04	2,150,675	199,804	<4.81E+01	<5.58E+01	<2.79E-02
Non-Reaction Area	High	232		<1.12E-04	<5.94E-05	<1.03E-04	<1.29E-04	<1.01E-04	1,422,799	132,182	<1.34E+01	<1.55E+01	<7.76E-03
Non-Reaction Area	Med	131		<5.58E-05	<5.92E-05	<5.51E-05	<6.16E-05	<5.79E-05	1,836,684	170,634	<1.08E+01	<1.25E+01	<6.24E-03
Non-Reaction Area	Med	86		<6.49E-05	<6.06E-05	<7.55E-05	<5.54E-05	<6.84E-05					
Non-Reaction Area	Low	133		<6.06E-05	<5.69E-05	<6.35E-05	<7.56E-05	<6.39E-05	3,704,751	344,183	<2.20E+01	<2.55E+01	<1.28E-02
Non SEM Area								<1.03E-04	646,053	60,020	5,576	<7.18E+00	<3.59E-03
							Total		**12,905,294**	**1,198,941**	**<1.18E+02**	**<1.36E+02**	**<7.17E-02**

Exceedance Area	<5.86E-03
Reaction Area	<3.55E-02
Non-Reaction Area	<2.68E-02
Average Flux (mg/m2-min)	<1.03E-04
Membrane Flux (mg/m2-min)	<7.75E-05

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

	(TPY)
Exceedance Area	<3.33E-03
Reaction Area	<3.09E-03
Membrane	<4.00E-03
Interface	<4.90E-03
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<4.62E-05
Reaction Area Flux (mg/m2-m)	<5.37E-05
Non-Reaction Area Flux (mg/m2-m)	<4.05E-05
Membrane Flux (mg/m2-min)	<4.34E-05
Interface Flux (mg/m2-min)	<9.47E-05

Legacy Calculation Approach

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

Exceedance Area	<3.33E-03
Reaction Area	<2.01E-02
Non-Reaction Area	<1.52E-02
Average Flux (mg/m2-min)	<5.86E-05
Membrane Flux (mg/m2-min)	<4.06E-05

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

	(TPY)
Exceedance Area	<1.36E-03
Reaction Area	<4.93E-03
Membrane	<1.21E-03
Interface	<2.00E-03
Non-Reaction Area	<8.00E-03
Average Flux (mg/m2-min)	<2.65E-05
Reaction Area Flux (mg/m2-m)	<3.33E-05
Non-Reaction Area Flux (mg/m2-m)	<2.13E-05
Membrane Flux (mg/m2-min)	<1.31E-05
Interface Flux (mg/m2-min)	<3.87E-05

Legacy Calculation Approach

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

Exceedance Area	<1.36E-03
Reaction Area	<8.17E-03
Non-Reaction Area	<8.00E-03
Average Flux (mg/m2-min)	<2.66E-05
Membrane Flux (mg/m2-min)	<1.38E-05

Carbon disulfide

75-15-0

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		<4.54E-05	<2.86E-05	<3.88E-05	<2.50E-05	<4.02E-05	1,103,258	102,496	<4.12E+00	<4.77E+00	<2.39E-03
Reaction Area	High	213		<3.74E-05	<2.07E-05	<2.24E-05	<2.56E-05	<2.72E-05	241,924	22,475	<6.12E-01	<7.10E-01	<3.55E-04
Reaction Area	Med	197		<3.92E-05	<8.36E-05	<2.98E-05	<3.13E-05	<4.66E-05	371,049	34,472	<1.20E+00	<1.39E+00	<6.94E-04
Reaction Area	Med	195		<2.11E-05	<2.62E-05	<3.04E-05	<1.43E-04	<2.29E-05					
Reaction Area	Low	149		<2.23E-05	<2.78E-05	<2.04E-05	<2.38E-05	<2.38E-05	908,877	84,437	<2.01E+00	<2.33E+00	<1.17E-03
Membrane	High	204	M	<2.20E-05	<3.40E-05	<2.22E-05	<2.25E-05	<2.47E-05	623,066	57,885	<1.43E+00	<1.66E+00	<8.28E-04
Membrane	Low	183	M	<2.13E-05	<2.37E-05	<2.22E-05	<2.04E-05	<2.20E-05	1,086,870	100,974	<2.22E+00	<2.58E+00	<1.29E-03
Interface	High	75		<2.16E-05	<2.38E-05	<3.14E-05	<7.54E-05	<2.43E-05	176,235	16,373	<3.99E-01	<4.62E-01	<2.31E-04
Interface	Med	158		<3.43E-05	<2.94E-05	<2.11E-05	<4.37E-05	<3.29E-05	229,530	21,324	<6.10E-01	<7.07E-01	<3.54E-04
Interface	Med	211	P	<2.44E-05	<2.68E-05	<2.05E-05	<2.81E-05	<2.44E-05					
Interface	Low	76	P	<2.35E-05	<2.12E-05	<1.42E-04	<2.71E-05	<9.80E-05	554,198	51,487	<5.05E+00	<5.85E+00	<2.92E-03
Non-Reaction Area	High	232		<4.56E-05	<2.42E-05	<4.19E-05	<5.26E-05	<4.12E-05	1,422,799	132,182	<5.45E+00	<6.32E+00	<3.16E-03
Non-Reaction Area	Med	131		<2.27E-05	<2.41E-05	<2.24E-05	<2.51E-05	<2.36E-05	1,836,684	170,634	<4.39E+00	<5.08E+00	<2.54E-03
Non-Reaction Area	Med	86		<2.64E-05	<2.47E-05	<3.07E-05	<2.25E-05	<2.78E-05					
Non-Reaction Area	Low	133		<2.47E-05	<2.31E-05	0.00019	<3.08E-05	<5.21E-05	3,704,751	344,183	<1.79E+01	<2.08E+01	<1.04E-02
Non SEM Area								<3.99E-05	646,053	60,020	<2.39E+00	<2.77E+00	<1.39E-03
							Total		**12,905,294**	**1,198,941**	**<4.78E+01**	**<5.54E+01**	**<2.77E-02**

	(TPY)
Exceedance Area	<2.39E-03
Reaction Area	<2.22E-03
Membrane	<2.12E-03
Interface	<3.51E-03
Non-Reaction Area	<1.61E-02
Average Flux (mg/m2-min)	<3.99E-05
Reaction Area Flux (mg/m2-m)	<3.59E-05
Non-Reaction Area Flux (mg/m2-m)	<4.29E-05
Membrane Flux (mg/m2-min)	<2.30E-05
Interface Flux (mg/m2-min)	<6.79E-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		<4.54E-05	<2.86E-05	<3.88E-05	<2.50E-05	<4.02E-05	1,103,258	102,496	<4.12E+00	<4.77E+00	<2.39E-03
Reaction Area	High	75		<2.16E-05	<2.38E-05	<3.14E-05	<7.54E-05	<2.43E-05	720,877	66,972	<1.63E+00	<1.89E+00	<9.45E-04
Reaction Area	Med	204	M	<2.20E-05	<3.40E-05	<2.22E-05	<2.25E-05	<2.47E-05	1,320,197	122,650	<3.53E+00	<4.09E+00	<2.04E-03
Reaction Area	Med	158		<3.43E-05	<2.94E-05	<2.11E-05	<4.37E-05	<3.29E-05					
Reaction Area	Low	76		<2.35E-05	<2.12E-05	<1.42E-04	<2.71E-05	<9.80E-05	2,150,675	199,804	<1.96E+01	<2.27E+01	<1.13E-02
Non-Reaction Area	High	232		<4.56E-05	<2.42E-05	<4.19E-05	<5.26E-05	<4.12E-05	1,422,799	132,182	<5.45E+00	<6.32E+00	<3.16E-03
Non-Reaction Area	Med	131		<2.27E-05	<2.41E-05	<2.24E-05	<2.51E-05	<2.36E-05	1,836,684	170,634	<4.39E+00	<5.08E+00	<2.54E-03
Non-Reaction Area	Med	86		<2.64E-05	<2.47E-05	<3.07E-05	<2.25E-05	<2.78E-05					
Non-Reaction Area	Low	133		<2.47E-05	<2.31E-05	0.0002	<3.08E-05	<5.21E-05	3,704,751	344,183	<1.79E+01	<2.08E+01	<1.04E-02
Non SEM Area								<4.97E-05	646,053	60,020	5,576	<3.46E+00	<1.73E-03
							Total		**12,905,294**	**1,198,941**	**<5.66E+01**	**<6.56E+01**	**<3.45E-02**

Exceedance Area	<2.39E-03
Reaction Area	<1.43E-02
Non-Reaction Area	<1.61E-02
Average Flux (mg/m2-min)	<4.97E-05
Membrane Flux (mg/m2-min)	<2.43E-05

Tetrachloroethene (PCE)
127-18-4

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

	(TPY)
Exceedance Area	<1.26E-03
Reaction Area	<3.32E-03
Membrane	<1.12E-03
Interface	<1.85E-03
Non-Reaction Area	<8.79E-03
Average Flux (mg/m2-min)	<2.48E-05
Reaction Area Flux (mg/m2-m)	<2.65E-05
Non-Reaction Area Flux (mg/m2-m)	<2.34E-05
Membrane Flux (mg/m2-min)	<1.21E-05
Interface Flux (mg/m2-min)	<3.59E-05

Legacy Calculation Approach

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

Exceedance Area	<1.26E-03
Reaction Area	<7.57E-03
Non-Reaction Area	<8.79E-03
Average Flux (mg/m2-min)	<2.67E-05
Membrane Flux (mg/m2-min)	<1.28E-05

2-propanol (isopropylalcohol)
67-63-0

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

	(TPY)
Exceedance Area	<3.83E-03
Reaction Area	<3.55E-03
Membrane	<3.39E-03
Interface	<5.62E-03
Non-Reaction Area	<1.75E-02
Average Flux (mg/m2-min)	<5.13E-05
Reaction Area Flux (mg/m2-m)	<5.75E-05
Non-Reaction Area Flux (mg/m2-m)	<4.66E-05
Membrane Flux (mg/m2-min)	<3.69E-05
Interface Flux (mg/m2-min)	<1.09E-04

Legacy Calculation Approach

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

Exceedance Area	<3.83E-03
Reaction Area	<2.30E-02
Non-Reaction Area	<1.75E-02
Average Flux (mg/m2-min)	<6.71E-05
Membrane Flux (mg/m2-min)	<3.89E-05

Propene TO-14
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		<1.02E-04	0.00018	<8.67E-05	0.00251	<1.14E-04	1,103,258	102,496	<1.17E+01	<1.35E+01	<6.76E-03
Reaction Area	High	213		0.00026	0.00021	<5.00E-05	0.00014	<2.18E-04	241,924	22,475	<4.90E+00	<5.68E+00	<2.84E-03
Reaction Area	Med	197		0.00033	0.00066	0.00053	<6.99E-05	<4.41E-04	371,049	34,472	<1.13E+01	<1.31E+01	<6.57E-03
Reaction Area	Med	195		0.00022	0.00020	0.00020	0.00032	0.00022					
Reaction Area	Low	149		0.00021	0.00015	0.00014	<5.33E-05	<1.83E-04	908,877	84,437	<1.54E+01	<1.79E+01	<8.94E-03
Membrane	High	204	M	0.00021	<7.59E-05	0.00021	<5.02E-05	<1.83E-04	623,066	57,885	<1.06E+01	<1.23E+01	<6.13E-03
Membrane	Low	183	M	0.00016	0.00013	0.00019	<4.57E-05	<1.34E-04	1,086,870	100,974	<1.35E+01	<1.57E+01	<7.85E-03
Interface	High	75		0.00019	0.00015	0.00021	<1.69E-04	<1.89E-04	176,235	16,373	<3.10E+00	<3.59E+00	<1.80E-03
Interface	Med	158		0.00029	0.00020	<4.72E-05	<9.77E-05	<2.59E-04	229,530	21,324	<3.45E+00	<4.00E+00	<2.00E-03
Interface	Med	211	P	<5.45E-05	0.00012	<4.58E-05	0.00015	<6.48E-05					
Interface	Low	76	P	0.00014	0.00025	<3.17E-04	0.00100	<2.69E-04	554,198	51,487	<1.38E+01	<1.60E+01	<8.02E-03
Non-Reaction Area	High	232		0.00021	0.00011	0.00069	0.00064	0.00025	1,422,799	132,182	33.2	38	0.019
Non-Reaction Area	Med	131		0.00024	0.00024	<5.01E-05	<5.60E-05	<1.46E-04	1,836,684	170,634	<2.60E+01	<3.01E+01	<1.51E-02
Non-Reaction Area	Med	86		<5.91E-05	0.00023	0.00024	0.00010	<1.59E-04					
Non-Reaction Area	Low	133		<5.51E-05	<5.17E-05	0.00024	0.00018	<1.05E-04	3,704,751	344,183	<3.62E+01	<4.20E+01	<2.10E-02
Non SEM Area								<1.61E-04	646,053	60,020	<9.66E+00	<1.12E+01	<5.60E-03
							Total		**12,905,294**	**1,198,941**	**<1.93E+02**	**<2.24E+02**	**<1.12E-01**

	(TPY)
Exceedance Area	<6.76E-03
Reaction Area	<1.83E-02
Membrane	<1.40E-02
Interface	<1.18E-02
Non-Reaction Area	<5.53E-02
Average Flux (mg/m2-min)	<1.61E-04
Reaction Area Flux (mg/m2-m)	<1.79E-04
Non-Reaction Area Flux (mg/m2-m)	<1.47E-04
Membrane Flux (mg/m2-min)	<1.52E-04
Interface Flux (mg/m2-min)	<2.29E-04

Legacy Calculation Approach

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

Exceedance Area	<6.76E-03
Reaction Area	<5.42E-02
Non-Reaction Area	<5.53E-02
Average Flux (mg/m2-min)	<1.76E-04
Membrane Flux (mg/m2-min)	<1.60E-04

m,p-xylene TO-14

108-38-3

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		<9.61E-05	<6.04E-05	<8.21E-05	0.00146	<8.50E-05	1,103,258	102,496	<8.71E+00	<1.01E+01	<5.05E-03
Reaction Area	High	213		0.00033	0.00011	<4.73E-05	<5.41E-05	<1.91E-04	241,924	22,475	<4.29E+00	<4.97E+00	<2.48E-03
Reaction Area	Med	197		0.00026	0.01020	0.00017	<6.61E-05	<2.33E-03	371,049	34,472	<4.10E+01	<4.75E+01	<2.38E-02
Reaction Area	Med	195		<4.46E-05	<5.53E-05	<6.42E-05	0.00465	<4.86E-05					
Reaction Area	Low	149		<4.71E-05	<5.89E-05	<4.32E-05	<5.04E-05	<5.04E-05	908,877	84,437	<4.26E+00	<4.93E+00	<2.47E-03
Membrane	High	204	M	<4.66E-05	<7.18E-05	0.00034	<4.75E-05	<7.43E-05	623,066	57,885	<4.30E+00	<4.98E+00	<2.49E-03
Membrane	Low	183	M	0.00022	<5.00E-05	<4.69E-05	<4.32E-05	<9.97E-05	1,086,870	100,974	<1.01E+01	<1.17E+01	<5.83E-03
Interface	High	75		<4.57E-05	<5.03E-05	<6.64E-05	<1.59E-04	<5.15E-05	176,235	16,373	<8.43E-01	<9.77E-01	<4.88E-04
Interface	Med	158		<7.25E-05	0.00072	<4.46E-05	<9.24E-05	<1.08E-04	229,530	21,324	<1.71E+00	<1.98E+00	<9.88E-04
Interface	Med	211	P	<5.15E-05	<5.66E-05	<4.34E-05	<5.94E-05	<5.15E-05					
Interface	Low	76	P	<4.97E-05	<4.48E-05	<3.00E-04	<5.74E-05	<2.07E-04	554,198	51,487	<1.07E+01	<1.24E+01	<6.18E-03
Non-Reaction Area	High	232		<9.64E-05	<5.11E-05	<8.86E-05	0.00045	<8.72E-05	1,422,799	132,182	<1.15E+01	<1.34E+01	<6.68E-03
Non-Reaction Area	Med	131		<4.80E-05	<5.10E-05	<4.74E-05	<5.30E-05	<4.98E-05	1,836,684	170,634	<1.33E+01	<1.54E+01	<7.68E-03
Non-Reaction Area	Med	86		<5.59E-05	<5.21E-05	0.00024	<4.76E-05	<1.06E-04					
Non-Reaction Area	Low	133		<5.21E-05	<4.89E-05	<5.46E-05	<6.51E-05	<5.50E-05	3,704,751	344,183	<1.89E+01	<2.19E+01	<1.10E-02
Non SEM Area								<1.14E-04	646,053	60,020	<6.83E+00	<7.91E+00	<3.96E-03
							Total		**12,905,294**	**1,198,941**	**<1.36E+02**	**<1.58E+02**	**<7.90E-02**

	(TPY)
Exceedance Area	<5.05E-03
Reaction Area	<2.87E-02
Membrane	<8.32E-03
Interface	<7.66E-03
Non-Reaction Area	<2.53E-02
Average Flux (mg/m2-min)	<1.14E-04
Reaction Area Flux (mg/m2-m)	<1.75E-04
Non-Reaction Area Flux (mg/m2-m)	<6.76E-05
Membrane Flux (mg/m2-min)	<9.04E-05
Interface Flux (mg/m2-min)	<1.48E-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		<9.61E-05	<6.04E-05	<8.21E-05	0.0015	<8.50E-05	1,103,258	102,496	<8.71E+00	<1.01E+01	<5.05E-03
Reaction Area	High	75		<4.57E-05	<5.03E-05	<6.64E-05	<1.59E-04	<5.15E-05	720,877	66,972	<3.45E+00	<3.99E+00	<2.00E-03
Reaction Area	Med	204	M	<4.66E-05	<7.18E-05	0.0003	<4.75E-05	<7.43E-05	1,320,197	122,650	<1.12E+01	<1.30E+01	<6.49E-03
Reaction Area	Med	158		<7.25E-05	0.0007	<4.46E-05	<9.24E-05	<1.08E-04					
Reaction Area	Low	76		<4.97E-05	<4.48E-05	<3.00E-04	<5.74E-05	<2.07E-04	2,150,675	199,804	<4.14E+01	<4.80E+01	<2.40E-02
Non-Reaction Area	High	232		<9.64E-05	<5.11E-05	<8.86E-05	0.0004	<8.72E-05	1,422,799	132,182	<1.15E+01	<1.34E+01	<6.68E-03
Non-Reaction Area	Med	131		<4.80E-05	<5.10E-05	<4.74E-05	<5.30E-05	<4.98E-05	1,836,684	170,634	<1.33E+01	<1.54E+01	<7.68E-03
Non-Reaction Area	Med	86		<5.59E-05	<5.21E-05	0.0002	<4.76E-05	<1.06E-04					
Non-Reaction Area	Low	133		<5.21E-05	<4.89E-05	<5.46E-05	<6.51E-05	<5.50E-05	3,704,751	344,183	<1.89E+01	<2.19E+01	<1.10E-02
Non SEM Area								<9.53E-05	646,053	60,020	5,576	<6.63E+00	<3.31E-03
							Total		**12,905,294**	**1,198,941**	**<1.08E+02**	**<1.26E+02**	**<6.62E-02**

Exceedance Area	<5.05E-03
Reaction Area	<3.25E-02
Non-Reaction Area	<2.53E-02
Average Flux (mg/m2-min)	<9.53E-05
Membrane Flux (mg/m2-min)	<9.71E-05

Benzene TO-14

71-43-2

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

	(TPY)
Exceedance Area	<4.95E-03
Reaction Area	<1.55E-02
Membrane	<3.06E-02
Interface	<2.06E-02
Non-Reaction Area	<6.21E-02
Average Flux (mg/m2-min)	<2.03E-04
Reaction Area Flux (mg/m2-m)	<2.52E-04
Non-Reaction Area Flux (mg/m2-m)	<1.66E-04
Membrane Flux (mg/m2-min)	<3.33E-04
Interface Flux (mg/m2-min)	<3.99E-04

Legacy Calculation Approach

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

Exceedance Area	<4.95E-03
Reaction Area	<8.60E-02
Non-Reaction Area	<6.21E-02
Average Flux (mg/m2-min)	<2.32E-04
Membrane Flux (mg/m2-min)	<1.27E-04

o-xylene TO-14
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		<9.61E-05	<6.04E-05	<8.21E-05	0.00013	<8.49E-05	1,103,258	102,496	<8.71E+00	<1.01E+01	<5.04E-03
Reaction Area	High	213		0.00025	<4.37E-05	<4.73E-05	<5.41E-05	<1.23E-04	241,924	22,475	<2.77E+00	<3.21E+00	<1.61E-03
Reaction Area	Med	197		<8.30E-05	0.00413	0.00029	<6.61E-05	<9.79E-04	371,049	34,472	<1.85E+01	<2.14E+01	<1.07E-02
Reaction Area	Med	195		0.00010	<5.53E-05	<6.42E-05	0.00217	<9.18E-05					
Reaction Area	Low	149		<4.71E-05	<5.89E-05	<4.32E-05	<5.04E-05	<5.04E-05	908,877	84,437	<4.26E+00	<4.93E+00	<2.47E-03
Membrane	High	204	M	<4.66E-05	<7.18E-05	<4.68E-05	<4.75E-05	<5.22E-05	623,066	57,885	<3.02E+00	<3.50E+00	<1.75E-03
Membrane	Low	183	M	<4.50E-05	<5.00E-05	<4.69E-05	0.00009	<5.51E-05	1,086,870	100,974	<5.56E+00	<6.45E+00	<3.22E-03
Interface	High	75		<4.57E-05	<5.03E-05	<6.64E-05	0.00036	<5.15E-05	176,235	16,373	<8.43E-01	<9.77E-01	<4.88E-04
Interface	Med	158		0.00028	<6.23E-05	<4.46E-05	<9.24E-05	<2.50E-04	229,530	21,324	<3.22E+00	<3.73E+00	<1.86E-03
Interface	Med	211	P	<5.15E-05	<5.66E-05	<4.34E-05	<5.94E-05	<5.15E-05					
Interface	Low	76	P	<4.97E-05	<4.48E-05	<3.00E-04	<5.74E-05	<2.07E-04	554,198	51,487	<1.07E+01	<1.24E+01	<6.18E-03
Non-Reaction Area	High	232		0.00039	<5.11E-05	<8.86E-05	0.00041	<2.94E-04	1,422,799	132,182	<3.89E+01	<4.50E+01	<2.25E-02
Non-Reaction Area	Med	131		<4.80E-05	<5.10E-05	<4.74E-05	<5.30E-05	<4.98E-05	1,836,684	170,634	<2.09E+01	<2.42E+01	<1.21E-02
Non-Reaction Area	Med	86		<5.59E-05	0.00018	0.00044	<4.76E-05	<1.95E-04					
Non-Reaction Area	Low	133		<5.21E-05	<4.89E-05	<5.46E-05	<6.51E-05	<5.50E-05	3,704,751	344,183	<1.89E+01	<2.19E+01	<1.10E-02
Non SEM Area								<1.20E-04	646,053	60,020	<7.18E+00	<8.32E+00	<4.16E-03
							Total		**12,905,294**	**1,198,941**	**<1.43E+02**	**<1.66E+02**	**<8.31E-02**

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

Legacy Calculation Approach

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

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

Toluene TO-14
108-88-3

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

	(TPY)
Exceedance Area	<5.00E-03
Reaction Area	<9.44E-03
Membrane	<7.55E-03
Interface	<7.35E-03
Non-Reaction Area	<2.37E-02
Average Flux (mg/m2-min)	<8.04E-05
Reaction Area Flux (mg/m2-m)	<1.03E-04
Non-Reaction Area Flux (mg/m2-m)	<6.33E-05
Membrane Flux (mg/m2-min)	<8.20E-05
Interface Flux (mg/m2-min)	<1.42E-04

Legacy Calculation Approach

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

Exceedance Area	<5.00E-03
Reaction Area	<3.03E-02
Non-Reaction Area	<2.37E-02
Average Flux (mg/m2-min)	<8.95E-05
Membrane Flux (mg/m2-min)	<6.90E-05

Total Reduced Sulfurs

0

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

	(TPY)
Exceedance Area	<1.62E-02
Reaction Area	<1.50E-02
Membrane	<1.44E-02
Interface	<2.66E-02
Non-Reaction Area	<7.39E-02
Average Flux (mg/m2-min)	<2.21E-04
Reaction Area Flux (mg/m2-m)	<2.53E-04
Non-Reaction Area Flux (mg/m2-m)	<1.97E-04
Membrane Flux (mg/m2-min)	<1.56E-04
Interface Flux (mg/m2-min)	<5.16E-04

Legacy Calculation Approach

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

Exceedance Area	<1.62E-02
Reaction Area	<9.73E-02
Non-Reaction Area	<7.39E-02
Average Flux (mg/m2-min)	<2.84E-04
Membrane Flux (mg/m2-min)	<1.65E-04

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

	(TPY)
Exceedance Area	<1.62E-02
Reaction Area	<1.50E-02
Membrane	<1.44E-02
Interface	<2.66E-02
Non-Reaction Area	<7.39E-02
Average Flux (mg/m2-min)	<2.21E-04
Reaction Area Flux (mg/m2-m)	<2.53E-04
Non-Reaction Area Flux (mg/m2-m)	<1.97E-04
Membrane Flux (mg/m2-min)	<1.56E-04
Interface Flux (mg/m2-min)	<5.14E-04

Legacy Calculation Approach

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

Exceedance Area	<1.62E-02
Reaction Area	<9.73E-02
Non-Reaction Area	<7.39E-02
Average Flux (mg/m2-min)	<2.84E-04
Membrane Flux (mg/m2-min)	<1.65E-04

Methyl Mercaptan

74-93-1

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		<4.35E-04	<2.74E-04	<3.72E-04	<2.39E-04	<3.85E-04	1,103,258	102,496	<3.94E+01	<4.57E+01	<2.29E-02
Reaction Area	High	213		<3.58E-04	<1.98E-04	<2.14E-04	<2.45E-04	<2.61E-04	241,924	22,475	<5.87E+00	<6.80E+00	<3.40E-03
Reaction Area	Med	197		<3.76E-04	<8.01E-04	<2.86E-04	<2.99E-04	<4.46E-04	371,049	34,472	<1.15E+01	<1.33E+01	<6.65E-03
Reaction Area	Med	195		<2.02E-04	<2.51E-04	<2.91E-04	<2.26E-04	<2.20E-04					
Reaction Area	Low	149		<2.13E-04	<2.67E-04	<1.96E-04	<2.28E-04	<2.28E-04	908,877	84,437	<1.93E+01	<2.23E+01	<1.12E-02
Membrane	High	204	M	<2.11E-04	<3.25E-04	<2.12E-04	<2.15E-04	<2.37E-04	623,066	57,885	<1.37E+01	<1.59E+01	<7.93E-03
Membrane	Low	183	M	<2.04E-04	<2.27E-04	<2.12E-04	<1.96E-04	<2.11E-04	1,086,870	100,974	<2.13E+01	<2.47E+01	<1.23E-02
Interface	High	75		<2.07E-04	<2.28E-04	<3.01E-04	<7.22E-04	<2.33E-04	176,235	16,373	<3.82E+00	<4.42E+00	<2.21E-03
Interface	Med	158		<3.29E-04	<2.82E-04	<2.02E-04	<4.19E-04	<3.15E-04	229,530	21,324	<5.85E+00	<6.77E+00	<3.39E-03
Interface	Med	211	P	<2.33E-04	<2.56E-04	<1.96E-04	<2.69E-04	<2.34E-04					
Interface	Low	76	P	<2.25E-04	<2.03E-04	<1.36E-03	<2.60E-04	<9.39E-04	554,198	51,487	<4.83E+01	<5.60E+01	<2.80E-02
Non-Reaction Area	High	232		<4.36E-04	<2.31E-04	<4.02E-04	<5.04E-04	<3.95E-04	1,422,799	132,182	<5.22E+01	<6.05E+01	<3.02E-02
Non-Reaction Area	Med	131		<2.18E-04	<2.31E-04	<2.15E-04	<2.40E-04	<2.26E-04	1,836,684	170,634	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<2.53E-04	<2.36E-04	<2.94E-04	<2.16E-04	<2.67E-04					
Non-Reaction Area	Low	133		<2.36E-04	<2.22E-04	<2.48E-04	<2.95E-04	<2.49E-04	3,704,751	344,183	<8.58E+01	<9.94E+01	<4.97E-02
Non SEM Area								<3.06E-04	646,053	60,020	<1.84E+01	<2.13E+01	<1.07E-02
							Total		**12,905,294**	**1,198,941**	**<3.67E+02**	**<4.26E+02**	**<2.13E-01**

	(TPY)
Exceedance Area	<2.29E-02
Reaction Area	<2.12E-02
Membrane	<2.03E-02
Interface	<3.36E-02
Non-Reaction Area	<1.04E-01
Average Flux (mg/m2-min)	<3.06E-04
Reaction Area Flux (mg/m2-m)	<3.44E-04
Non-Reaction Area Flux (mg/m2-m)	<2.78E-04
Membrane Flux (mg/m2-min)	<2.20E-04
Interface Flux (mg/m2-min)	<6.50E-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		<4.35E-04	<2.74E-04	<3.72E-04	<2.39E-04	<3.85E-04	1,103,258	102,496	<3.94E+01	<4.57E+01	<2.29E-02
Reaction Area	High	75		<2.07E-04	<2.28E-04	<3.01E-04	<7.22E-04	<2.33E-04	720,877	66,972	<1.56E+01	<1.81E+01	<9.05E-03
Reaction Area	Med	204	M	<2.11E-04	<3.25E-04	<2.12E-04	<2.15E-04	<2.37E-04	1,320,197	122,650	<3.38E+01	<3.92E+01	<1.96E-02
Reaction Area	Med	158		<3.29E-04	<2.82E-04	<2.02E-04	<4.19E-04	<3.15E-04					
Reaction Area	Low	76		<2.25E-04	<2.03E-04	<1.36E-03	<2.60E-04	<9.39E-04	2,150,675	199,804	<1.88E+02	<2.17E+02	<1.09E-01
Non-Reaction Area	High	232		<4.36E-04	<2.31E-04	<4.02E-04	<5.04E-04	<3.95E-04	1,422,799	132,182	<5.22E+01	<6.05E+01	<3.02E-02
Non-Reaction Area	Med	131		<2.18E-04	<2.31E-04	<2.15E-04	<2.40E-04	<2.26E-04	1,836,684	170,634	<4.20E+01	<4.87E+01	<2.43E-02
Non-Reaction Area	Med	86		<2.53E-04	<2.36E-04	<2.94E-04	<2.16E-04	<2.67E-04					
Non-Reaction Area	Low	133		<2.36E-04	<2.22E-04	<2.48E-04	<2.95E-04	<2.49E-04	3,704,751	344,183	<8.58E+01	<9.94E+01	<4.97E-02
Non SEM Area								<4.01E-04	646,053	60,020	5,576	<2.79E+01	<1.39E-02
							Total		**12,905,294**	**1,198,941**	**<4.56E+02**	**<5.29E+02**	**<2.78E-01**

Exceedance Area	<2.29E-02
Reaction Area	<1.37E-01
Non-Reaction Area	<1.04E-01
Average Flux (mg/m2-min)	<4.01E-04
Membrane Flux (mg/m2-min)	<2.33E-04

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		<5.62E-04	<3.54E-04	<4.80E-04	<3.09E-04	<4.97E-04	1,103,258	102,496	<5.09E+01	<5.90E+01	<2.95E-02
Reaction Area	High	213		<4.63E-04	<2.56E-04	<2.77E-04	<3.17E-04	<3.37E-04	241,924	22,475	<7.58E+00	<8.78E+00	<4.39E-03
Reaction Area	Med	197		<4.85E-04	<1.03E-03	<3.69E-04	<3.87E-04	<5.76E-04	371,049	34,472	<1.48E+01	<1.72E+01	<8.59E-03
Reaction Area	Med	195		<2.61E-04	<3.24E-04	<3.76E-04	<2.91E-04	<2.84E-04					
Reaction Area	Low	149		<2.76E-04	<3.44E-04	<2.53E-04	<2.95E-04	<2.95E-04	908,877	84,437	<2.49E+01	<2.89E+01	<1.44E-02
Membrane	High	204	M	<2.73E-04	<4.20E-04	<2.74E-04	<2.78E-04	<3.05E-04	623,066	57,885	<1.77E+01	<2.05E+01	<1.02E-02
Membrane	Low	183	M	<2.63E-04	<2.93E-04	<2.74E-04	<2.53E-04	<2.73E-04	1,086,870	100,974	<2.75E+01	<3.19E+01	<1.59E-02
Interface	High	75		<2.67E-04	<2.94E-04	<3.88E-04	<9.33E-04	<3.01E-04	176,235	16,373	<4.93E+00	<5.71E+00	<2.86E-03
Interface	Med	158		<4.24E-04	<3.64E-04	<2.61E-04	<5.41E-04	<4.07E-04	229,530	21,324	<7.55E+00	<8.75E+00	<4.37E-03
Interface	Med	211	P	<3.01E-04	<3.31E-04	<2.54E-04	<3.47E-04	<3.02E-04					
Interface	Low	76	P	<2.91E-04	<2.62E-04	<1.76E-03	<3.36E-04	<1.21E-03	554,198	51,487	<6.24E+01	<7.23E+01	<3.62E-02
Non-Reaction Area	High	232		<5.64E-04	<2.99E-04	<5.19E-04	<6.51E-04	<5.10E-04	1,422,799	132,182	<6.74E+01	<7.81E+01	<3.91E-02
Non-Reaction Area	Med	131		<2.81E-04	<2.98E-04	<2.77E-04	<3.10E-04	<2.92E-04	1,836,684	170,634	<5.42E+01	<6.29E+01	<3.14E-02
Non-Reaction Area	Med	86		<3.27E-04	<3.05E-04	<3.80E-04	<2.79E-04	<3.44E-04					
Non-Reaction Area	Low	133		<3.05E-04	<2.86E-04	<3.20E-04	<3.81E-04	<3.22E-04	3,704,751	344,183	<1.11E+02	<1.28E+02	<6.42E-02
Non SEM Area								<3.96E-04	646,053	60,020	<2.38E+01	<2.75E+01	<1.38E-02
							Total		**12,905,294**	**1,198,941**	**<4.75E+02**	**<5.50E+02**	**<2.75E-01**

	(TPY)
Exceedance Area	<2.95E-02
Reaction Area	<2.74E-02
Membrane	<2.62E-02
Interface	<4.34E-02
Non-Reaction Area	<1.35E-01
Average Flux (mg/m2-min)	<3.96E-04
Reaction Area Flux (mg/m2-m)	<4.44E-04
Non-Reaction Area Flux (mg/m2-m)	<3.59E-04
Membrane Flux (mg/m2-min)	<2.85E-04
Interface Flux (mg/m2-min)	<8.40E-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		<5.62E-04	<3.54E-04	<4.80E-04	<3.09E-04	<4.97E-04	1,103,258	102,496	<5.09E+01	<5.90E+01	<2.95E-02
Reaction Area	High	75		<2.67E-04	<2.94E-04	<3.88E-04	<9.33E-04	<3.01E-04	720,877	66,972	<2.02E+01	<2.34E+01	<1.17E-02
Reaction Area	Med	204	M	<2.73E-04	<4.20E-04	<2.74E-04	<2.78E-04	<3.05E-04	1,320,197	122,650	<4.37E+01	<5.06E+01	<2.53E-02
Reaction Area	Med	158		<4.24E-04	<3.64E-04	<2.61E-04	<5.41E-04	<4.07E-04					
Reaction Area	Low	76		<2.91E-04	<2.62E-04	<1.76E-03	<3.36E-04	<1.21E-03	2,150,675	199,804	<2.42E+02	<2.81E+02	<1.40E-01
Non-Reaction Area	High	232		<5.64E-04	<2.99E-04	<5.19E-04	<6.51E-04	<5.10E-04	1,422,799	132,182	<6.74E+01	<7.81E+01	<3.91E-02
Non-Reaction Area	Med	131		<2.81E-04	<2.98E-04	<2.77E-04	<3.10E-04	<2.92E-04	1,836,684	170,634	<5.42E+01	<6.29E+01	<3.14E-02
Non-Reaction Area	Med	86		<3.27E-04	<3.05E-04	<3.80E-04	<2.79E-04	<3.44E-04					
Non-Reaction Area	Low	133		<3.05E-04	<2.86E-04	<3.20E-04	<3.81E-04	<3.22E-04	3,704,751	344,183	<1.11E+02	<1.28E+02	<6.42E-02
Non SEM Area								<5.18E-04	646,053	60,020	5,576	<3.60E+01	<1.80E-02
							Total		**12,905,294**	**1,198,941**	**<5.89E+02**	**<6.83E+02**	**<3.60E-01**

Exceedance Area	<2.95E-02
Reaction Area	<1.77E-01
Non-Reaction Area	<1.35E-01
Average Flux (mg/m2-min)	<5.18E-04
Membrane Flux (mg/m2-min)	<3.00E-04

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

CE Schmidt, Ph.D.
Environmental Consultant

TECHNICAL MEMORANDUM

TEST EVENT #5: Flux Chamber Assessment of Air Emissions from the Chiquita Canyon Landfill Located in Castaic, California



Prepared for:

Mr. Tom Card
Environmental Management Consulting
41125 278th Way SE
Enumclaw, WA 98022

Prepared by:
Dr. C.E. Schmidt
Environmental Consultant
19200 Live Oak Road
Red Bluff, California 96080

September 2025

CE Schmidt, Ph.D.
Environmental Consultant

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Attachments

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

CE Schmidt, Ph.D.
Environmental Consultant

EXECUTIVE SUMMARY

This Technical Memorandum documents the fifth air emissions testing event (July 2025). Field measurements were conducted by landfill screening experts at the Chiquita Canyon Landfill (Landfill) facility located at 29201 Henry Mayo Drive, Castaic, California in July 2025, to measure surface air emissions from the Landfill. Testing was performed using field screening for methane at the surface and following screening, in-depth area source testing using the U.S. Environmental Protection Agency (USEPA) surface emission isolation flux chamber technology as per the USEPA Guidance protocol (February 1986). This USEPA document provides the guidance for constructing and operating an agency approved area source measurement technology. The average flux (in units of mass per time per unit area) of surface emissions were calculated per category of grid cell (i.e., low, medium, high, highest) per type of landfill area (i.e., reaction area and non-reaction area) as defined in the Assessment of Air Emissions from Landfill Surfaces [Emissions Report]. These grid cell flux data multiplied by the number of grid cells in these categories when summed represents the air emissions of compounds from the landfill surface.

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

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

19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 schmidtce@aol.com

CE Schmidt, Ph.D.
Environmental Consultant

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

SOURCE	SURFACE CONDITION	SAMPLES
Grid Cell #87	Soil	4
Grid Cell #75	Soil	4
Grid Cell #76	Synthetic Membrane/Soil	4
Grid Cell #211	Synthetic Membrane/Soil	4
Grid Cell #204	Synthetic Membrane	4
Grid Cell #183	Synthetic Membrane	4
Grid Cell #213	Soil	4
Grid Cell #197	Soil	4
Grid Cell #195	Soil	4
Grid Cell #158	Soil	4
Grid Cell #149	Soil	4
Grid Cell #131	Soil	4
Grid Cell #133	Soil	4
Grid Cell #86	Soil	4
Grid Cell #232	Soil	4
Blank	NA	6
Replicate	NA	6
TOTAL		72

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

CE Schmidt, Ph.D.
Environmental Consultant

I. INTRODUCTION

This technical memorandum describes the field testing that was conducted to characterize surface or fugitive air emissions. The Landfill site is located in Castaic, California. As discussed in more detail in the Emissions Report, testing was conducted on July 14-23, 2025 by Dr. C.E. Schmidt, Mr. Tom Card, Mr. Josh Abbey, and Mr. Rich Wharton supported by a SCS Engineers sub-contractor, who performed landfill surface screening for methane prior to the test dates and during the testing program. Preparation for testing included submitting a Sampling Protocol (SP) that was approved by SCS Engineers and representatives of the South Coast Air Quality Management District (SCAQMD). SCAQMD representatives were not present during the testing event.

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

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

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Environmental Consultant

II. TEST METHODOLOGY

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

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 described in the SP. Knowing the sweep air flow rate (5 lpm) plus any advective flow from the source, 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). This Technical Memorandum reports directly measured flux data for the study compounds that are used in the Emissions Report.

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
6. Relocating the measurement equipment to the next test area

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Environmental Consultant

The specific operating protocol for flux chamber sampling was 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. (The data sheets are provided in Attachment A.)
3. Place the chamber approximately 1/4 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- sealing on membrane cover using clean fill soil making a barrier to air flow. 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 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 (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 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 (see Attachment A).
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 and repeat steps 1 through 13.

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

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

III. QUALITY CONTROL

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

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

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

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Attachment D.

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

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

Laboratory Method Blank – A total of eight laboratory method blank samples were performed by the laboratory. TNHMC compounds were not detected in the blank samples at the method detection limit (MDL) level of about 30 ug/m^3except on one of the eight lab blank samples. That sample showed a detect of 37 J ug/m3. With this one 'J' values detection and seven non-detections, these data indicate acceptable method performance.

Laboratory Precision – A total of eight laboratory control duplicate (LCD) samples including nine compounds were performed by the laboratory. The LCD samples were reported within the criteria of less than 25%. These data indicate acceptable method performance.

Laboratory Accuracy – A total of eight laboratory control sample (LCS) or blank spike samples including nine compounds were performed by the laboratory. The LCS samples were reported within the criteria of 70-to-130 percent recovery. These data indicate acceptable method performance.

Field System Blank – Six media (field) blank samples were prepared in the field (T-114, -214, -314, -410, 510, -610) and were analyzed as field samples (blind QC sample). All six field blank samples show non-detect (MDL 30 ug/m3). These data demonstrate acceptable method performance.

Field Method Precision – Sixe field samples were collected in replicate (second sample taken immediately after the first sample for method precision data) and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Four of the sample replicate pairs provided data for field precision. The range of RPD for the four pairs was 0.57 to 36 (QC criteria 50 RPD). One sample/replicate pair (T-508/-509) was below method detection which provided no precision data, and the other pair (T-312/-313) had an obvious contamination and could not be used for precision estimates. For the four sample/replicate pairs with detected concentrations, these data demonstrate acceptable method performance.

Hydrocarbon Species Analysis by USEPA Method TO-14

Method QC Requirements – Method QC procedures were completed as per method requirements.

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These data are reported in the method specific lab reports (footnoted as applicable on the lab report showing compliance with the methods).

Laboratory Method Blank – A total of eight laboratory method blank samples were performed by the laboratory. Hydrocarbon compounds were not detected in the blank samples at the method detection limit (MDL) level of 1-to-1.2 ug/m^3 except one sample that showed one compound detected, benzene at 4.2 J ug/m3. These data indicate acceptable method performance.

Laboratory Precision – A total of eight laboratory control duplicate (LCD) samples including nine compounds were performed by the laboratory. The LCD samples were reported within the criteria of less than 25%. These data indicate acceptable method performance.

Laboratory Accuracy – A total of eight laboratory control sample (LCS) or blank spike samples including nine compounds were performed by the laboratory. The LCS samples were reported within the criteria of 70-to-130 percent recovery. These data indicate acceptable method performance.

Field System Blank – Six media (field) blank samples were prepared in the field (T-114, -214, -314, -410, 510, -610) and were analyzed as field samples (blind QC sample). Three of the six showed no detection of compounds (1.2-to-1.4 ug/m3), and three field blanks showed detection of a few compounds below reporting limits (J values): T-214 showed propene at 3.2 J ug/m3, propane at n-butane at 3.9 J ug/m3, and iso-pentane at 6.6 J ug/m3; T-510 showed propene at 3.3 J ug/m3, propane at 3.5 J ug/me, n-decane at 3.1 J ug/m3, 1,3-diethyl benzene at 3.9 J ug/me; and T-610 showed propane at 3.0 J ug/m3. These low level (less than reporting limit, J values) do not affect the data quality of the method given that the lab blank levels were largely non-detect. These data demonstrate acceptable method performance.

Field Method Precision – Six field samples were collected in replicate (second sample taken immediately after the first sample for method precision data) and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). One sample pair had a contamination which precluded precision estimates (T-312/-313, sample T-313). Two sample replicate pairs had one or both compound detections below reporting limits as J values and could not be used for precision estimates. The remaining sample/replicate pairs provide precision estimates: T-113/-113 had six compound pairs and showed a range of RPD values of 1.2 to 47 (QC criteria 50); T-408/-409 had two compound pairs and showed a range of RPD values of 4.7to 11; and T-608/-609 had five compound pairs and showed a range of RPD values of 7.5 to 49. These data demonstrate acceptable method performance.

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Individual HAP Analysis by USEPA Method TO-15

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

Laboratory Method Blank – A total of eight laboratory method blank samples were performed by the laboratory. No compounds were detected in the blank samples above the compound specific MDL levels (range of about 1.7-to-26 ug/m^3). These data indicate acceptable method performance.

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

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

Field System Blank – Six media (field) blank samples were prepared in the field (T-114, -214, -314, -410, 510, -610) and were analyzed as a field sample (blind QC sample). No compounds were detected above MDL (range of 1.4 to 26 ug/m^3) in the six field blank samples. These data demonstrate acceptable method performance.

Field Method Precision – Six field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). The sample/replicate pair T-112/-113 showed five compound pairs above reporting limits with a RPD range of 6.3 to 13 and no compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-212/-213 showed five compound pairs above reporting limits with a RPD range of 0.72 to 19 and no compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-312/-313 had contamination in sample T-312 and no precision could be estimated from these data. The sample/replicate pair T-408/-409 showed three compound pairs above reporting limits with a RPD range of 2.5 to 7.9 and with no compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-508/-509 showed three compound pairs above reporting limits with a RPD range of 23 to 57 and one compound pair exceeded criteria (RPD 50). And sample/replicate pair T-608/-609 showed seven compound pairs above reporting limits with a RPD range of 8.4 to 56 with one compound pair exceeded criteria (RPD 50). These data demonstrate acceptable method performance.

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SCAQMD 307.91 Analysis for Hydrogen Sulfide

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

Field System Blank – Six media (field) blank samples were prepared in the field (S-114, S-214, S-314, S-410, S-510, and S-610) and were analyzed as field samples (blind QC sample). Hydrogen sulfide and other reduced sulfur compounds were not detected in the six blank samples at a level of 0.005 ppmv. These data demonstrate acceptable method performance.

Field Method Precision – Three field samples were collected in replicate and analyzed for the flux chamber testing (S-112/-113, S-212/-213, S-312/-313, S-408/-409, S-508/-509, and S-608/-609). In each case, sample and replicate pair, both were non-detect for all three pairs, thus no information could be obtained regarding precision for the method. However, the laboratory precision data was acceptable. These data indicate acceptable method performance.

ASTM 1945/USEPA 3C for Fixed Gases (methane and carbon dioxide)

Method QC Requirements – Method QC procedures were completed as per method requirements.

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

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

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

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Field System Blank (accuracy) – Six media (field) blank samples were prepared in the field (T-114, -214, -314, -410, 510, -610) and were analyzed as field samples (blind QC sample). Carbon dioxide and methane were both not detected above the method detection limit (0.5 ppmV methane and 0.01% carbon dioxide). These data demonstrate acceptable method performance.

Field Method Precision – Six field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). Four of the sample replicate pairs for carbon dioxide had a RPD of 0.0 to 62 with one pair exceeding criteria (RPD 50). Two of the sample/replicate pairs were non-detect. Likewise three of the sample replicate pairs for methane had a RPD of 0.56 to 48 (criteria RPD 50). These data indicate acceptable method performance.

Trace Gas 1,1-DFA Analysis by USEPA Method TO-15

Method QC Requirements – Method QC procedures were completed as per method requirements.

Laboratory Method Blank – A total of eight laboratory method blank samples were performed by the laboratory. 1,1-DFA was not detected in the blank samples at the MDL of 2.3 ug/m3. These data indicate acceptable method performance.

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

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

Field System Blank – Six media (field) blank samples were prepared in the field (T-114, -214, -314, -410, 510, -610) and were analyzed as field samples (blind QC sample). Given that these blank samples were taken from a calibration standard gas, these data serve as accuracy data or sample recovery QC data (±30%). The range of percent recovery for the three samples was 88-to-99%. These data demonstrate acceptable method performance.

Field Method Precision – Six field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-408/-409, T-508/-509, T-608/-609). The RPD values ranged from 2.3 to 34 (QC criteria (50 RPD). These data indicate acceptable method performance.

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Field Calibration of the TVA-1000; Screening for Total Hydrocarbon Concentration
Pre-Use and Post-Use Instrument Response to Span (calibration) Gas and Zero Air (pure air)
The TVA-1000 instrument with an FID detector was pre-use and post-use calibrated each day of use using certified methane span gas standard at 100 ppmv. Zero air checks were generally acceptable, and all span checks were within 70%-to-130% accuracy, indicating acceptable instrument performance. The cooler morning startups did cause higher blank levels and recalibration during the day as the ambient temperature increased, however the instrument did provide useful screening data. The instrument also came with a photo ionization detector (PID) detector but was not used for the screening activities. No field data (TVA FID or PID) were used in the emissions calculations; these data were only used in the field for directive purposes.

Field Calibration of the J-631X; Screening for Hydrogen Sulfide
Pre-Use and Post-Use Instrument Response to Zero Air
The two J-631X hydrogen sulfide analyzers were pre-use and post-use zero air checked and re-zeroed without incident. These field screening instruments performed well as compared to pre and post zero air checks. The cooler morning startups did cause higher blank levels and high/low response recalibration during the day as the ambient temperature increased, however the instrument did provide useful screening data. Each analyzer seemed to have different sensitivity, and measurements were performed and recorded for both analyzers. No field data (J-631X) were used in the emissions calculations; these data were only used in the field for directive purposes.

IV. RESULTS AND DISCUSSIONS

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

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

as follows:

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

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

One sample, T-312, was found to have an unknown contamination and was branded as such by the laboratory director. Sample T-312 showed high levels of TNMHC, about 100 times more that expected as compared to the other project data, and more importantly the replicate of this sample, T-313. High levels of hydrocarbon compounds were also seen in the TO-14 and TO-15 hydrocarbon speciation data but was not seen in the sulfur sample analysis (different sampling media), fixed gases or methane results. The trace gas 1,1-DFA was found at a lower recovery compared to other samples. This contamination was limited to the canister used for T-312 and not the flux chamber equipment of the sulfur sample. In addition, the hydrocarbon spectral analysis of compounds for T-312 did not match any other project hydrocarbon samples. This sample was branded as 'contaminated by an unknown source', but was not removed from the data set. It was used in the calculation of emissions given that the source of this contamination could not be identified.

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

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

V. SUMMARY

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

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

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

- Emissions testing was performed using the USEPA recommended surface flux chamber technology as described in the USEPA User's Guide for assessing fugitive air emissions from area sources. Surface advective flow was determined at each location by the dilution of a trace gas 1,1-DFA added to the chamber sweep air. Study compounds were tested following regulatory approved sampling and analytical methods. These technologies were used to quantitatively measure flux at the test surface of the listed study compounds.

- Field and laboratory quality control data indicate acceptable data quality for all of the analytical methods used. Lab method QC sample data and media/field blank sample data for the analytical methods were found to be acceptable according to the methods used. Method precision for the lab replicates and spike samples (LCD and LCS) met the method criteria. Field method blank samples and field replicate samples were also acceptable, however some field precision exceeded criteria. This was likely due to the low levels found in many samples. The data set is of acceptable data quality for the purpose of assessing compound emissions from the Landfill. One canister sample was found to be contaminated by an unknow source and labeled as such, but was not removed from the data set as the source could not be identified.

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

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REFERENCES

USEPA. 1986. "Measurement of Gaseous Emission Rates from Land Surfaces Using an Emission Isolation Flux Chamber, Users Guide." EPA Environmental Monitoring Systems Laboratory, Las Vegas, Nevada, EPA Contract No. 68-02-3889, Work Assignment No. 18, Radian Corporation, February 1986. NTIS # PB 86-223161.

Card, T.R. and C.E. Schmidt. ***"Assessment of Air Emissions from the Landfill Surfaces, Sampling Protocol, Revision 1",*** prepared for SCS Engineers and the Chiquita Canyon Landfill, Castaic, CA, August 2023.

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

DATE	TIME	Test Site	Grid Category	LOC.	TO-15	SRS	J 631X In	J 631X Out	FID In	FID Filter In	FID Out	FID Filter Out	IN 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	
7/15/2025	821	Grid Cell #87	Exceedance Cell	1	T-101	S-101	0.000/0.000	0.001/0.005	3.9	4.5	9.0	16	87	84	77	70	8.805	1.262	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	2	T-102	S-102	0.000/0.000	0.001/0.005	-1.8	-1.6	44	39	81	82	95	75	8.814	1.260	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	3	T-103	S-103	0.000/0.005	0.002/0.011	52	45	28	13	74	77	76	64	8.822	1.225	Soil
7/15/2025	821	Grid Cell #87	Exceedance Cell	4	T-104	S-104	0.000/0.004	0.043/0.029	4400	3600	200	300	74	64	74	61	8.813	1.200	Soil
7/15/2025	950	Grid Cell #75	Interface Cell	1	T-105	S-105	0.038/0.001	0.004/0.010	-3	-3	NA	-2.2	91	91	91	74	8.761	1.792	Soil
7/15/2025	948	Grid Cell #75	Interface Cell	2	T-106	S-106	0.000/0.002	0.002/0.008	-1.8	-2	NA	NA	96	95	94	71	8.782	1.793	Soil
7/15/2025	949	Grid Cell #75	Interface Cell	3	T-107	S-107	0.000/0.003	0.004/0.009	-2.3	-0.5	6.3	-1.2	113	101	94	84	8.763	1.765	Soil
7/15/2025	949	Grid Cell #75	Interface Cell	4	T-108	S-108	0.000/0.005	0.003/0.012	42	52	11	11	106	104	92	80	8.748	1.765	Soil
7/15/2025	1048	Grid Cell #76	Low RXN Cell	1	T-109	S-109	0.013/0.004	0.007/0.011	3.3	6.1	5	6.5	138	108	100	81	8.720	1.799	Synthetic Membrane
7/15/2025	1048	Grid Cell #76	Low RXN Cell	2	T-110	S-110	0.010/0.005	0.005/0.011	3	5	-4	-3	108	94	93	82	8.732	6.411	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Low RXN Cell	3	T-111	S-111	0.006/0.002	0.011/0.010	5.1	4.5	4.5	4.5	145	113	104	85	8.703	1.741	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Low RXN Cell	4	T-112	S-112	0.000/0.000	0.001/0.009	11	4.5	4.7	4.6	106	101	100	80	8.698	1.751	Synthetic Membrane
7/15/2025	1051	Grid Cell #76	Replicate Sample	4	T-113	S-113	0.000/0.000	0.001/0.009	11	4.5	4.7	4.6	106	101	100	80	8.698	1.751	Sample Replicate
7/15/2025	1141	Media Blank	NA	NA	S-114	S-114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/16/2025	816	Grid Cell #211	Low RXN Cell	1	T-201	S-201	0.000/0.000	NA	-4.5	-4	0.2	-2	71	69	75	64	8.390	1.231	Soil
7/16/2025	816	Grid Cell #211	Low RXN Cell	2	T-202	S-202	0.000/0.000	0.000/0.005	10	8.5	11	6	74	70	71	61	8.388	1.246	Soil
7/16/2025	814	Grid Cell #211	Low RXN Cell	3	T-203	S-203	0.000/0.002	0.000/0.004	5	-5	-4	-5	61	66	61	64	8.337	1.267	Soil
7/16/2025	814	Grid Cell #211	Low RXN Cell	4	T-204	S-204	0.003/0.001	0.000/0.004	-4.5	-4.6	-2.8	-3.6	65	63	64	61	8.335	1.253	Soil
7/16/2025	921	Grid Cell #204	Medium RXN Cel	1	T-205	S-205	0.003/0.004	0.000/0.001	-2.7	-3.6	-1.6	-2	86	81	81	71	8.305	1.336	Synthetic Membrane
7/16/2025	930	Grid Cell #204	Medium RXN Cel	2	T-206	S-206	0.012/0.002	0.003/0.006	-3.4	-3.1	-1.7	-2.4	88	86	80	76	8.276	1.384	Synthetic Membrane
7/16/2025	921	Grid Cell #204	Medium RXN Cel	3	T-207	S-207	0.007/0.004	0.000/0.006	3	-4	2	-2	88	91	77	75	8.301	1.345	Synthetic Membrane
7/16/2025	930	Grid Cell #204	Medium RXN Cel	4	T-208	S-208	NA	0.003/0.007	-3.5	-3.8	-1.9	-2.7	76	75	73	72	8.274	1.392	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Low RXN Cell	1	T-209	S-209	0.015/0.005	0.002/0.010	-0.7	-2	0.9	-1.7	103	90	89	80	8.325	1.677	Synthetic Membrane
7/16/2025	1050	Grid Cell #183	Low RXN Cell	2	T-210	S-210	0.008/0.003	0.004/0.008	1.5	-1	0.5	-0.6	90	92	82	76	8.315	1.705	Synthetic Membrane
7/16/2025	1050	Grid Cell #183	Low RXN Cell	3	T-211	S-211	0.012/0.004	0.006/0.010	-2	0.5	-0.2	-1.2	95	91	81	75	8.316	1.692	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Low RXN Cell	4	T-212	S-212	0.010/0.004	0.009/0.010	-2.2	-0.4	-0.5	-2	104	95	85	77	8.320	1.683	Synthetic Membrane
7/16/2025	1055	Grid Cell #183	Replicate Sample	4	T-213	S-213	0.010/0.004	0.009/0.010	-2.2	-0.4	-0.5	-2	104	95	85	77	8.320	1.683	Sample Replicate
7/16/2025	1130	Media Blank	NA	NA	T-214	S-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/17/2025	804	Grid Cell #213	High RXN Cell	1	T-301	S-301	0.000/0.000	0.000/0.005	-1	-0.4	-0.2	-0.7	71	70	71	64	8.472	1.204	Soil
7/17/2025	817	Grid Cell #213	High RXN Cell	2	T-302	S-302	0.000/0.000	0.000/0.005	114	96	6	8	61	60	70	61	8.417	1.223	Soil
7/17/2025	817	Grid Cell #213	High RXN Cell	3	T-303	S-303	0.000/0.000	0.000/0.006	-1.2	-0.8	-0.1	0.5	72	71	64	64	8.412	1.232	Soil
7/17/2025	804	Grid Cell #213	High RXN Cell	4	T-304	S-304	0.000/0.000	0.000/0.006	-2.5	-1.6	0.12	-0.4	71	70	71	61	8.469	1.218	Soil
7/17/2025	932	Grid Cell #197	Medium RXN Cel	1	T-305	S-305	0.000/0.001	0.008/0.008	-0.5	0.5	3.5	5.2	132	116	95	84	8.614	1.210	Soil
7/17/2025	931	Grid Cell #197	Medium RXN Cel	2	T-306	S-306	0.000/0.001	0.002/0.008	390	350	185	130	111	107	105	90	8.615	1.199	Soil
7/17/2025	932	Grid Cell #197	Medium RXN Cel	3	T-307	S-307	0.000/0.002	0.006/0.008	218	180	5	4.0	118	109	90	79	8.600	1.206	Soil
7/17/2025	931	Grid Cell #197	Medium RXN Cel	4	T-308	S-308	0.000/0.0001	0.006/0.008	11	8.6	91	4	118	101	96	77	8.603	1.197	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cel	1	T-309	S-309	0.000/0.002	0.000/0.005	-1.3	-1.6	2	-1.5	128	117	123	87	8.701	1.237	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cel	2	T-310	S-310	0.000/0.009	0.010/0.011	-1	-1.6	3.6	0.7	160	142	121	91	8.711	1.233	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cel	3	T-311	S-311	0.000/0.003	0.009/0.010	-1.4	-1	1	-0.7	139	125	106	89	8.708	1.243	Soil
7/17/2025	1038	Grid Cell #195	Medium RXN Cel	4	T-312	S-312	0.000/0.009	0.01/0.011	-1.5	-2	0.5	0.4	121	120	119	81	8.686	1.217	Soil
7/17/2025	1038	Grid Cell #195	Replicate Sample	4	T-313	S-313	0.000/0.009	0.01/0.011	-1.5	-2	0.5	0.4	121	120	119	81	8.686	1.217	Replicate Sample
7/17/2025	1130	Media Blank	NA	NA	T-314	S-314	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/18/2025	802	Grid Cell #158	Medium RXN Cel	1	T-401	S-401	0.000/0.001	0.000/0.006	-2.8	-3	-2	-2	78	75	75	70	8.590	1.545	Soil
7/18/2025	802	Grid Cell #158	Medium RXN Cel	2	T-402	S-402	0.000/0.001	0.000/0.005	-4	-3	-2	-1	74	71	77	69	8.580	1.539	Soil
7/18/2025	804	Grid Cell #158	Medium RXN Cel	3	T-403	S-403	0.000/0.000	0.000/0.008	-3.7	-3.6	-0.5	-2.8	76	74	74	68	8.605	1.557	Soil
7/18/2025	804	Grid Cell #158	Medium RXN Cel	4	T-404	S-404	0.000/0.000	0.000/0.005	-3	-3.5	-1.3	-2	78	77	71	70	8.896	1.551	Soil
7/18/2025	903	Grid Cell #149	Reaction Cell	1	T-405	S-405	0.001/0.003	0.000/0.008	-3.3	-3	1.6	0.8	98	92	87	74	8.719	1.535	Soil
7/18/2025	901	Grid Cell #149	Reaction Cell	2	T-406	S-406	0.000/0.000	NA	-3.3	-2	-3.7	8.4	89	88	86	80	8.757	1.536	Soil
7/18/2025	903	Grid Cell #149	Reaction Cell	3	T-407	S-407	0.000/0.000	0.004/0.008	5.3	3.5	3	3.3	96	84	86	74	8.728	1.532	Soil
7/18/2025	901	Grid Cell #149	Reaction Cell	4	T-408	S-408	0.000/0.000	0.000/0.008	370	320	1	8	101	81	84	74	8.743	1.532	Soil
7/18/2025	901	Grid Cell #149	Replicate Sample	4	T-409	S-409	0.000/0.000	0.000/0.008	370	320	1	8	101	81	84	74	8.743	1.532	Replicate Sample
7/18/2025	942	Media Blank	NA	NA	T-410	S-410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/22/2025	1013	Grid Cell #131	Normal Med Cell	1	T-501	S-501	0.000/0.000	0.000//0.008	-5.1	-5.3	-4	-5	76	70	76	67	8.800	0.882	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	2	T-502	S-502	0.000/0.000	0.000/0.006	-5.4	-5.6	-4.2	-5.2	82	75	77	71	8.794	0.879	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	3	T-503	S-503	0.000/0.000	0.000/0.007	-5.8	-5.6	-4.5	-5.5	77	73	77	69	8.780	0.873	Soil
7/22/2025	1013	Grid Cell #131	Normal Med Cell	4	T-504	S-504	0.000/0.000	0.000/0.005	-6.5	-6.3	-5	-5.5	76	71	75	67	8.775	0.867	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	1	T-505	S-505	0.000/0.000	0.000/0.007	-6.7	-6.2	-5.4	-6.2	86	82	84	72	8.830	0.774	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	2	T-506	S-506	0.000/0.000	0.000/0.008	-6	-6.4	-4.7	-5.2	83	80	82	70	8.823	0.782	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	3	T-507	S-507	0.000/0.001	0.000/0.008	-5.3	-5.6	-4.5	-5.4	83	80	80	71	8.819	0.787	Soil
7/22/2025	1115	Grid Cell #133	Normal Low Cell	4	T-508	S-508	0.000/0.000	0.000/0.007	-5.4	-5.4	-4.2	-4.8	82	79	81	73	8.814	0.795	Soil
1/19/1903	1115	Grid Cell #133	Replicate Sample	4	T-509	S-509	0.000/0.000	0.000/0.007	-5.4	-5.4	-4.2	-4.8	82	79	81	73	8.814	0.795	Replicate Sample
7/22/2025		Media Blank	NA	NA	T-510	S-510	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 ppbv
7/23/2025	747	Grid Cell #86	Medium RXN Cel	1	T-601	S-601	0.000/0.000	0.000/0.001	3.3	4	3.1	3.8	73	64	70	61	8.823	1.274	Soil
7/23/2025	747	Grid Cell #86	Medium RXN Cel	2	T-602	S-602	0.000/0.000	0.012/0.001	0.13	0.42	2.6	0.6	71	65	70	61	8.794	1.270	Soil
7/23/2025	747	Grid Cell #86	Medium RXN Cel	3	T-603	S-603	0.000/0.000	0.004/0.002	0.8	1.7	4.8	3	71	66	70	61	NA	NA	Soil
7/23/2025	747	Grid Cell #86	Medium RXN Cel	4	T-604	S-604	0.000/0.000	0.000/0.002	1.2	1.6	6	5	68	65	69	62	8.813	1.273	Soil
7/23/2025	851	Grid Cel #232	High Normal Cell	1	T-605	S-605	0.000/0.000	0.000/0.005	-0.3	-0.3	-0.2	0.1	93	90	85	69	8.578	1.022	Soil
7/23/2025	851	Grid Cel #232	High Normal Cell	2	T-606	S-606	0.000/0.000	0.000/0.003	2.8	2.4	5.4	6.7	88	79	84	73	8.589	1.003	Soil
7/23/2025	851	Grid Cel #232	High Normal Cell	3	T-607	S-607	0.000/0.000	0.000/0.007	250	210	16	13	103	95	85	72	8.572	1.020	Soil
7/23/2025	851	Grid Cel #232	High Normal Cell	4	T-608	S-608	0.000/0.000	0.000/0.005	84	80	81	70	84	80	81	70	8.583	0.976	Soil
7/23/2025	851	Grid Cel #232	Replicate Sample	4	T-609	S-609	0.000/0.000	0.000/0.005	84	80	81	70	84	80	81	70	8.583	0.976	Replicate Sample
7/23/2025	931	Media Blank	NA	NA	T-610	S-610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Media Blank, 1,1-DFA 208 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 Methane, and TNMHC Flux.

Test Site	LOC.	TO-15	SRS	Methane	Carbon Dioxide	Hydrogen	TO-12 TNMHC C1		1,1-DFA	Total Flow	Total Flow	Methane Flux		Carbon Dioxide Flux		TNMHC Flux	
		ID	ID a,b	(ppmv)	(ppmv)	(ppmv)	(ppbv)		(ppbv)	(lpm)	(m3/min)	mg/m2,min		mg/m2,min		mg/m2,min	
Grid Cell #87	1	T-101	S-101	4.58	1,317	ND	ND	U	89.2	11.7	0.0117	0.265		210		0.0013	U
Grid Cell #87	2	T-102	S-102	2.38	1,183	ND	48.6	J	142	7.32	0.00732	0.087		118		0.0018	J
Grid Cell #87	3	T-103	S-103	46.45	455	ND	ND	U	106	9.81	0.00981	2.297		62		0.0011	U
Grid Cell #87	4	T-104	S-104	3443	2,707	ND	687		168	6.19	0.00619	109.604		237		0.0219	
Grid Cell #75	1	T-105	S-105	ND	839	ND	60.19	J	185	5.62	0.00562	0.011	ND	64		0.0017	J
Grid Cell #75	2	T-106	S-106	ND	794	ND	ND	U	167	6.23	0.00623	0.012	ND	66		0.0007	U
Grid Cell #75	3	T-107	S-107	1.62	951	ND	137.1		125	8.32	0.00832	0.065		105		0.0055	
Grid Cell #75	4	T-108	S-108	52	1,189	ND	134.8	J	51.8	20.1	0.0201	4.983		314		0.0130	J
Grid Cell #76	1	T-109	S-109	ND	ND	ND	48.5	J	165	6.30	0.00630	0.012	ND	6		0.0015	J
Grid Cell #76	2	T-110	S-110	ND	395	ND	62.7	J	188	5.53	0.00553	0.010	ND	29		0.0017	J
Grid Cell #76	3	T-111	S-111	2.34	798	ND	52.67	J	27.1	38.4	0.0384	0.424		397		0.0095	J
Grid Cell #76	4	T-112	S-112	225.90	1,920	ND	174		145	7.17	0.00717	7.812		183		0.0060	
Grid Cell #76	4	T-113	S-113	200.53	995	ND	171		165	6.30	0.00630	6.078		83		0.0052	
Media Blank	NA	S-114	S-114	ND	ND	ND	ND	U	191	5.45	0.00545	0.011	ND	6		0.0006	U
Grid Cell #211	1	T-201	S-201	ND	1,022	ND	70.9	J	171	6.08	0.00608	0.011	ND	87		0.0022	J
Grid Cell #211	2	T-202	S-202	9.40	964	ND	74.2	J	156	6.67	0.00667	0.320		90		0.0025	J
Grid Cell #211	3	T-203	S-203	ND	ND	ND	58.2	J	204	5.10	0.00510	0.009	ND	5		0.0015	J
Grid Cell #211	4	T-204	S-204	ND	ND	ND	57.12	J	150	6.93	0.00693	0.013	ND	7		0.0020	J
Grid Cell #204	1	T-205	S-205	ND	ND	ND	93.2	J	185	5.62	0.00562	0.010	ND	6		0.0026	J
Grid Cell #204	2	T-206	S-206	ND	ND	ND	54.23	J	119	8.74	0.00874	0.016	ND	9		0.0023	J
Grid Cell #204	3	T-207	S-207	ND	ND	ND	126.5	J	181	5.75	0.00575	0.011	ND	6		0.0036	J
Grid Cell #204	4	T-208	S-208	ND	ND	ND	ND	U	183	5.68	0.00568	0.011	ND	6		0.0006	U
Grid Cell #183	1	T-209	S-209	ND	ND	ND	222		188	5.53	0.00553	0.010	ND	6		0.0060	
Grid Cell #183	2	T-210	S-210	ND	ND	ND	77.7	J	169	6.15	0.00615	0.011	ND	6		0.0023	J
Grid Cell #183	3	T-211	S-211	ND	ND	ND	107.1	J	181	5.75	0.00575	0.011	ND	6		0.0030	J
Grid Cell #183	4	T-212	S-212	ND	ND	ND	116.8	J	195	5.33	0.00533	0.010	ND	5		0.0030	J
Grid Cell #183	4	T-213	S-213	ND	ND	ND	81.5	J	173	6.01	0.00601	0.011	ND	6		0.0024	J
Media Blank	NA	T-214	S-214	ND	ND	ND	ND	U	175	5.94	0.00594	0.011	ND	6		0.0007	J
Grid Cell #213	1	T-301	S-301	1.38	1,247	ND	363.57		111	9.37	0.00937	0.066		163		0.0173	
Grid Cell #213	2	T-302	S-302	87.40	1,018	ND	374.88		205	5.07	0.00507	2.304		74		0.0099	
Grid Cell #213	3	T-303	S-303	1.30	998	ND	ND	U	186	5.59	0.00559	0.037		78		0.0006	U
Grid Cell #213	4	T-304	S-304	0.72	832	ND	135.82		162	6.42	0.00642	0.023		75		0.0044	
Grid Cell #197	1	T-305	S-305	1.59	1,485	ND	639.77		97.6	10.7	0.0107	0.079		204		0.0320	
Grid Cell #197	2	T-306	S-306	338.87	1,066	ND	518.88		46.5	22.4	0.0224	36.109		312		0.0553	
Grid Cell #197	3	T-307	S-307	234	1,392	ND	517		130	8.00	0.00800	8.898		145		0.0196	
Grid Cell #197	4	T-308	S-308	10.76	981	ND	50.8	J	126	8.25	0.00825	0.429		107		0.0020	J
Grid Cell #195	1	T-309	S-309	0.87	786	ND	175		181	5.75	0.00575	0.023		58		0.0047	
Grid Cell #195	2	T-310	S-310	1.36	1,373	ND	130.4	J	140	7.43	0.00743	0.045		126		0.0043	J
Grid Cell #195	3	T-311	S-311	1.47	852	ND	73.04	J	124	8.39	0.00839	0.057		91		0.0028	J
Grid Cell #195	4	T-312	S-312	ND	837	ND	5,885		161	6.46	0.00646	0.011	ND	69		0.1766	
Grid Cell #195	4	T-313	S-313	ND	940	ND	131.7	J	203	5.12	0.00512	0.009	ND	62		0.0031	J
Media Blank	NA	T-314	S-314	ND	ND	ND	ND	U	195	5.33	0.00533	0.010	ND	6		0.0006	U
Grid Cell #158	1	T-401	S-401	1.77	588	ND	128.41	J	120	8.67	0.00867	0.077		71		0.0056	J
Grid Cell #158	2	T-402	S-402	3.32	644	ND	84.29	J	141	7.38	0.00738	0.125		66		0.0032	J
Grid Cell #158	3	T-403	S-403	ND	353	ND	ND	U	196	5.31	0.00531	0.010	ND	26		0.0006	U
Grid Cell #158	4	T-404	S-404	2.59	586	ND	ND	U	94.0	11.1	0.0111	0.144		90		0.0013	U
Grid Cell #149	1	T-405	S-405	ND	362	ND	89.47	J	179	5.81	0.00581	0.011	ND	28		0.0025	J
Grid Cell #149	2	T-406	S-406	1.01	480	ND	ND	U	144	7.22	0.00722	0.036		47		0.0008	U
Grid Cell #149	3	T-407	S-407	6.78	351	ND	74.96	J	198	5.25	0.00525	0.176		25		0.0020	J
Grid Cell #149	4	T-408	S-408	275.25	899	ND	119.1	J	171	6.08	0.00608	8.361		75		0.0036	J
Grid Cell #149	4	T-409	S-409	272.97	937	ND	99.72	J	175	5.94	0.00594	8.089		76		0.0030	J
Media Blank	NA	T-410	S-410	ND	ND	ND	ND	U	205	5.07	0.00507	0.008	ND	4		0.0006	J
Grid Cell #131	1	T-501	S-501	ND	165	ND	89.66	J	183	5.68	0.00568	0.010	ND	13		0.0026	J
Grid Cell #131	2	T-502	S-502	ND	333	ND	74.18	J	171	6.08	0.00608	0.012	ND	28		0.0023	J
Grid Cell #131	3	T-503	S-503	ND	155	ND	ND	U	185	5.62	0.00562	0.010	ND	12		0.0006	U
Grid Cell #131	4	T-504	S-504	ND	522	ND	ND	U	166	6.27	0.00627	0.012	ND	46		0.0007	U
Grid Cell #133	1	T-505	S-505	ND	193	ND	ND	U	165	6.30	0.00630	0.011	ND	17		0.0007	U
Grid Cell #133	2	T-506	S-506	ND	210	ND	ND	U	176	5.91	0.00591	0.011	ND	17		0.0007	U
Grid Cell #133	3	T-507	S-507	ND	254	ND	62.26	J	158	6.58	0.00658	0.012	ND	23		0.0021	J
Grid Cell #133	4	T-508	S-508	ND	258	ND	ND	U	133	7.82	0.00782	0.015	ND	28		0.0009	U
Grid Cell #133	4	T-509	S-509	ND	327	ND	118.17	J	187	5.56	0.00556	0.011	ND	25		0.0033	J
Media Blank	NA	T-510	S-510	ND	ND	ND	ND	U	184	5.65	0.00565	0.011	ND	6		0.0006	J
Grid Cell #86	1	T-601	S-601	1.82	741	ND	59.86	J	159	6.54	0.00654	0.061		69		0.0020	J
Grid Cell #86	2	T-602	S-602	1.65	1,031	ND	148.94		170	6.12	0.00612	0.052		89		0.0047	
Grid Cell #86	3	T-603	S-603	1.39	1,055	ND	314.16		136	7.65	0.00765	0.054		114		0.0123	
Grid Cell #86	4	T-604	S-604	1.5	988	ND	ND	U	186	5.59	0.00559	0.043		78		0.0006	U
Grid Cel #232	1	T-605	S-605	1.57	820	ND	150.89		88.0	11.8	0.0118	0.091		131		0.0088	
Grid Cel #232	2	T-606	S-606	1.71	1,017	ND	45.98	J	169	6.15	0.00615	0.053		86		0.0014	J
Grid Cel #232	3	T-607	S-607	185.09	1,271	ND	328.97		94.8	11.0	0.0110	9.886		187		0.0176	
Grid Cel #232	4	T-608	S-608	348.71	1,295	ND	268.18		77.6	13.4	0.0134	23.377		239		0.0180	
Grid Cel #232	4	T-609	S-609	213.26	1,405	ND	266.55		84.4	12.3	0.0123	13.140		238		0.0164	
Media Blank	NA	T-610	S-610	ND	ND	ND	ND	U	183	5.68	0.00568	0.000	ND	7		0.0006	J

NA- not applicable

U- below detection

J- above detection but below reporting limits

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

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

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

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

Sample Number	Compound	Acetone	2-Butanone (MEK)	Methanol	Ethanol	Isopropyltoluene	Decane	Ethyl acetate	Tetrahydrofuran	Nonane	Propylene	m,p-Xylenes	Acrolein	Benzene	o-Xylene	Toluene	1,2,4-Trimethylbenzene	Ethylbenzene
	CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3	95-63-6	100-41-4
	MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1	120.2	106.2
MDL (ppbv)																		
T-101		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-102		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-103		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-104		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-105		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-106		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-107		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-108		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-109		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-110		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-111		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-112		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-113		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-114		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-201		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-202		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-203		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-204		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-205		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-206		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-207		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-208		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-209		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-210		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-211		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-212		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-213		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-214		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-301		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-302		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-303		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-304		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-305		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-306		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-307		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-308		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-309		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-310		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-311		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-312		10	2	10	10	4	4	2	1.01	2	2	2	2	7	2	4	4	2
T-313		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-314		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-401		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-402		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-403		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-404		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-405		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-406		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-407		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-408		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-409		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-410		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-501		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-502		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-503		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-504		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-505		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-506		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-507		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-508		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-509		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-510		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-601		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-602		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-603		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-604		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-605		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-606		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-607		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-608		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-609		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33
T-610		1.67	0.33	1.67	1.67	0.67	0.67	0.33	0.17	0.33	0.33	0.33	0.33	1.17	0.33	0.67	0.67	0.33

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

Sample Number	Compound	Acetone	2-Butanone (MEK)	Methanol	Ethanol	Isopropyltoluene	Decane	Ethyl acetate	Tetrahydrofuran	Nonane	Propylene	m,p-Xylenes	Acrolein	Benzene	o-Xylene	Toluene	1,2,4-Trimethylbenzene	Ethylbenzene
	CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3	95-63-6	100-41-4
	MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1	120.2	106.2
Data Used (ug/l)																		
T-101		23.21	1.98	14.18	10.16	<1.81E+00	<1.92E+00	<5.87E-01	<2.47E-01	<8.54E-01	<2.80E-01	<7.07E-01	2.74	<1.84E+00	<7.07E-01	<1.24E+00	<1.62E+00	<7.07E-01
T-102		21.58	1.90	15.15	6.27	<1.82E+00	<1.93E+00	<5.89E-01	<2.48E-01	<8.57E-01	<2.81E-01	<7.10E-01	<3.75E-01	<1.85E+00	<7.10E-01	<1.25E+00	<1.63E+00	<7.10E-01
T-103		14.39	2.00	19.04	4.32	<1.84E+00	<1.95E+00	<5.94E-01	<2.50E-01	<8.65E-01	<2.84E-01	<7.16E-01	<3.78E-01	<1.87E+00	<7.16E-01	<1.26E+00	<1.65E+00	<7.16E-01
T-104		41.18	3.08	2.77	<1.61E+00	64.20	12.82	<6.09E-01	4.14	10.21	41.69	28.12	<3.88E-01	6.12	14.86	21.26	3.73	7.07
T-105		7.31	<4.74E-01	2.57	<1.53E+00	<1.79E+00	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	<2.77E-01	<6.98E-01	<3.69E-01	<1.82E+00	<6.98E-01	<1.23E+00	<1.60E+00	<6.98E-01
T-106		8.20	<4.70E-01	2.91	<1.52E+00	<1.78E+00	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	<2.75E-01	<6.93E-01	<3.66E-01	<1.81E+00	<6.93E-01	<1.22E+00	<1.59E+00	<6.93E-01
T-107		<1.90E+00	<4.65E-01	22.99	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	<2.72E-01	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-108		14.72	2.36	10.71	21.35	<1.75E+00	<1.86E+00	<5.66E-01	<2.38E-01	<8.24E-01	<2.70E-01	<6.82E-01	2.60	<1.78E+00	<6.82E-01	<1.20E+00	<1.57E+00	<6.82E-01
T-109		<1.87E+00	<4.60E-01	<1.03E+00	<1.49E+00	<1.74E+00	<1.84E+00	<5.62E-01	<2.37E-01	<8.18E-01	<2.68E-01	<6.77E-01	<3.58E-01	<1.77E+00	<6.77E-01	<1.19E+00	<1.56E+00	<6.77E-01
T-110		<1.92E+00	<4.71E-01	<1.06E+00	<1.53E+00	<1.78E+00	<1.89E+00	<5.76E-01	<2.43E-01	<8.39E-01	<2.75E-01	<6.94E-01	<3.67E-01	<1.81E+00	<6.94E-01	<1.22E+00	<1.60E+00	<6.94E-01
T-111		4.12	<4.56E-01	5.80	<1.47E+00	<1.72E+00	<1.83E+00	<5.57E-01	<2.35E-01	<8.11E-01	<2.66E-01	<6.71E-01	<3.55E-01	<1.75E+00	<6.71E-01	<1.18E+00	<1.54E+00	<6.71E-01
T-112		10.48	1.78	3.26	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	7.89	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-113		11.50	2.03	3.47	<1.51E+00	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	8.58	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-114		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-201		7.64	<4.94E-01	<1.11E+00	<1.60E+00	<1.87E+00	<1.98E+00	<6.03E-01	<2.54E-01	<8.78E-01	<2.88E-01	<7.27E-01	<3.84E-01	<1.90E+00	<7.27E-01	<1.28E+00	<1.67E+00	<7.27E-01
T-202		12.99	1.55	7.39	<1.59E+00	<1.86E+00	<1.97E+00	<6.02E-01	<2.54E-01	<8.77E-01	<2.88E-01	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-203		4.51	<4.96E-01	<1.12E+00	<1.61E+00	<1.88E+00	<1.99E+00	<6.07E-01	<2.56E-01	<8.83E-01	<2.90E-01	<7.31E-01	<3.86E-01	4.92	<7.31E-01	<1.29E+00	<1.68E+00	<7.31E-01
T-204		<2.04E+00	<4.99E-01	<1.12E+00	<1.62E+00	<1.89E+00	<2.00E+00	<6.10E-01	<2.57E-01	<8.88E-01	<2.91E-01	<7.35E-01	<3.88E-01	<1.92E+00	<7.35E-01	<1.29E+00	<1.69E+00	<7.35E-01
T-205		<1.97E+00	<4.83E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.90E-01	<2.49E-01	<8.59E-01	<2.82E-01	2.59	<3.76E-01	<1.85E+00	<7.11E-01	<1.25E+00	<1.63E+00	<7.11E-01
T-206		5.21	<4.78E-01	<1.07E+00	<1.55E+00	<1.81E+00	<1.92E+00	<5.84E-01	<2.46E-01	<8.51E-01	<2.79E-01	<7.04E-01	<3.72E-01	<1.84E+00	<7.04E-01	<1.24E+00	<1.62E+00	<7.04E-01
T-207		<1.93E+00	<4.74E-01	<1.06E+00	<1.53E+00	14.97	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	1.73	5.08	<3.69E-01	7.25	1.90	3.85	<1.60E+00	1.69
T-208		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-209		<1.94E+00	<4.75E-01	<1.07E+00	<1.54E+00	9.27	<1.90E+00	<5.80E-01	<2.45E-01	<8.45E-01	<2.77E-01	4.07	<3.69E-01	13.53	1.78	3.12	<1.61E+00	1.91
T-210		<1.93E+00	<4.73E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.78E-01	<2.44E-01	<8.42E-01	1.05	<6.97E-01	<3.68E-01	<1.82E+00	<6.97E-01	<1.23E+00	<1.60E+00	<6.97E-01
T-211		4.19	<4.74E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.79E-01	<2.44E-01	<8.43E-01	1.24	1.99	<3.69E-01	4.01	<6.98E-01	<1.23E+00	<1.60E+00	<6.98E-01
T-212		<1.92E+00	<4.70E-01	<1.06E+00	<1.52E+00	6.53	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	1.15	3.02	<3.66E-01	8.62	<6.93E-01	2.84	<1.59E+00	<6.93E-01
T-213		<1.92E+00	<4.70E-01	<1.06E+00	<1.52E+00	7.11	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	0.95	3.15	<3.66E-01	8.56	<6.93E-01	<1.22E+00	<1.59E+00	1.43
T-214		<1.99E+00	<4.88E-01	<1.10E+00	3.69	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-301		30.32	19.92	11.91	3.88	13.95	<1.97E+00	10.00	<2.54E-01	<8.77E-01	1.13	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-302		13.86	<5.02E-01	12.05	<1.62E+00	<1.90E+00	<2.01E+00	<6.14E-01	<2.59E-01	<8.94E-01	3.14	<7.40E-01	<3.91E-01	<1.93E+00	<7.40E-01	<1.30E+00	<1.70E+00	<7.40E-01
T-303		17.20	<4.92E-01	24.55	<1.59E+00	<1.86E+00	<1.97E+00	<6.01E-01	<2.53E-01	<8.75E-01	1.34	<7.24E-01	5.80	<1.89E+00	<7.24E-01	<1.28E+00	<1.66E+00	<7.24E-01
T-304		9.79	3.28	3.82	<1.59E+00	<1.86E+00	<1.97E+00	<6.02E-01	7.14	<8.77E-01	<2.88E-01	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-305		62.32	24.01	75.76	5.45	30.27	<1.82E+00	<5.54E-01	<2.34E-01	<8.07E-01	1.41	<6.68E-01	8.91	<1.74E+00	<6.68E-01	<1.18E+00	<1.53E+00	<6.68E-01
T-306		72.17	<4.61E-01	37.05	3.35	<1.74E+00	<1.85E+00	<5.63E-01	<2.37E-01	17.28	1.86	24.99	<3.58E-01	3.87	12.00	<1.19E+00	3.21	<6.78E-01
T-307		31.91	5.73	35.38	<1.48E+00	<1.73E+00	<1.84E+00	6.12	<2.36E-01	<8.17E-01	7.55	<6.76E-01	6.79	5.21	<6.76E-01	<1.19E+00	<1.55E+00	<6.76E-01
T-308		<1.90E+00	<4.65E-01	4.53	3.44	<1.76E+00	<1.87E+00	<5.69E-01	<2.40E-01	<8.28E-01	1.73	<6.86E-01	<3.62E-01	<1.79E+00	<6.86E-01	<1.21E+00	<1.58E+00	<6.86E-01
T-309		17.37	<4.53E-01	5.54	<1.46E+00	<1.71E+00	3.73	<5.53E-01	<2.33E-01	<8.05E-01	2.43	<6.67E-01	<3.52E-01	5.94	<6.67E-01	<1.17E+00	<1.53E+00	<6.67E-01
T-310		64.94	5.47	129.63	13.08	<1.64E+00	<1.74E+00	<5.30E-01	<2.23E-01	<7.72E-01	2.36	<6.39E-01	14.62	3.39	<6.39E-01	<1.12E+00	<1.47E+00	<6.39E-01
T-311		35.03	2.52	71.07	6.28	<1.69E+00	<1.79E+00	<5.45E-01	<2.30E-01	<7.94E-01	2.37	<6.57E-01	7.83	6.07	<6.57E-01	<1.16E+00	<1.51E+00	<6.57E-01
T-312		2,581.80	3,968.66	163.13	1,059.25	1,793.13	1,312.68	773.13	525.71	771.48	14.03	168.43	44.99	25.59	85.96	46.18	90.38	66.15
T-313		23.44	<4.50E-01	7.28	3.86	70.74	9.05	<5.50E-01	<2.32E-01	2.09	2.52	<6.63E-01	3.12	3.78	<6.63E-01	<1.17E+00	<1.52E+00	<6.63E-01
T-314		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-401		9.39	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-402		8.53	<4.92E-01	<1.10E+00	<1.59E+00	<1.86E+00	<1.97E+00	<6.01E-01	<2.53E-01	<8.75E-01	<2.87E-01	<7.24E-01	<3.83E-01	<1.89E+00	<7.24E-01	<1.28E+00	<1.66E+00	<7.24E-01
T-403		<1.99E+00	<4.89E-01	<1.10E+00	<1.58E+00	<1.85E+00	<1.96E+00	<5.98E-01	<2.52E-01	<8.70E-01	<2.85E-01	<7.20E-01	<3.80E-01	<1.88E+00	<7.20E-01	<1.27E+00	<1.66E+00	<7.20E-01
T-404		<1.98E+00	<4.86E-01	<1.09E+00	<1.57E+00	<1.84E+00	<1.95E+00	<5.94E-01	<2.50E-01	<8.65E-01	<2.84E-01	<7.16E-01	<3.78E-01	<1.87E+00	<7.16E-01	<1.26E+00	<1.65E+00	<7.16E-01
T-405		<1.93E+00	<4.73E-01	<1.06E+00	<1.53E+00	<1.79E+00	<1.90E+00	<5.78E-01	<2.44E-01	<8.42E-01	2.34	<6.97E-01	<3.68E-01	3.70	<6.97E-01	<1.23E+00	<1.60E+00	<6.97E-01
T-406		<1.94E+00	<4.76E-01	<1.07E+00	<1.54E+00	<1.80E+00	<1.91E+00	<5.82E-01	<2.45E-01	<8.48E-01	<2.78E-01	<7.02E-01	<3.71E-01	3.82	<7.02E-01	<1.24E+00	<1.61E+00	<7.02E-01
T-407		14.42	<4.80E-01	2.74	<1.55E+00	<1.81E+00	<1.92E+00	<5.87E-01	<2.47E-01	<8.54E-01	2.22	<7.07E-01	<3.73E-01	<1.84E+00	<7.07E-01	<1.24E+00	<1.62E+00	<7.07E-01
T-408		14.99	<4.83E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.90E-01	<2.49E-01	<8.59E-01	1.96	<7.11E-01	3.00	<1.85E+00	<7.11E-01	<1.25E+00	<1.63E+00	<7.11E-01
T-409		15.68	<4.83E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.90E-01	<2.49E-01	<8.59E-01	<2.82E-01	<7.11E-01	2.78	<1.85E+00	<7.11E-01	<1.25E+00	<1.63E+00	<7.11E-01
T-410		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-501		<2.01E+00	<4.93E-01	<1.11E+00	<1.59E+00	<1.86E+00	<1.97E+00	<6.02E-01	<2.54E-01	<8.77E-01	<2.88E-01	<7.26E-01	<3.83E-01	<1.89E+00	<7.26E-01	<1.28E+00	<1.67E+00	<7.26E-01
T-502		9.44	<4.88E-01	2.56	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-503		9.43	<4.90E-01	<1.10E+00	<1.59E+00	<1.85E+00	<1.96E+00	<5.99E-01	<2.52E-01	<8.72E-01	<2.86E-01	<7.22E-01	<3.81E-01	5.50	<7.22E-01	<1.27E+00	<1.66E+00	<7.22E-01
T-504		5.67	<4.92E-01	<1.10E+00	<1.59E+00	<1.86E+00	<1.97E+00	<6.01E-01	<2.53E-01	<8.75E-01	<2.87E-01	<7.24E-01	<3.83E-01	<1.89E+00	<7.24E-01	<1.28E+00	<1.66E+00	<7.24E-01
T-505		<1.96E+00	<4.82E-01	<1.08E+00	<1.56E+00	<1.82E+00	<1.93E+00	<5.89E-01	<2.48E-01	<8.57E-01	<2.81E-01	<7.10E-01	<3.75E-01	<1.85E+00	<7.10E-01	<1.25E+00	<1.63E+00	<7.10E-01
T-506		<1.97E+00	<4.84E-01	2.37	<1.56E+00	<1.83E+00	<1.94E+00	<5.91E-01	<2.49E-01	<8.60E-01	<2.82E-01	<7.12E-01	<3.76E-01	<1.86E+00	<7.12E-01	<1.25E+00	<1.64E+00	<7.12E-01
T-507		<1.97E+00	2.02	<1.09E+00	<1.56E+00	<1.83E+00	<1.94E+00	<5.91E-01	<2.49E-01	<8.60E-01	1.86	<7.12E-01	<3.76E-01	<1.86E+00	<7.12E-01	<1.25E+00	<1.64E+00	<7.12E-01
T-508		9.18	<4.84E-01	<1.09E+00	<1.57E+00	<1.83E+00	<1.94E+00	<5.92E-01	<2.50E-01	<8.62E-01	1.66	<7.14E-01	<3.77E-01	<1.86E+00	<7.14E-01	<1.26E+00	<1.64E+00	<7.14E-01
T-509		5.13	<4.84E-01	2.36	<1.57E+00	<1.83E+00	<1.94E+00	<5.92E-01	<2.50E-01	<8.62E-01	2.09	<7.14E-01	<3.77E-01	<1.86E+00	<7.14E-01	<1.26E+00	<1.64E+00	<7.14E-01
T-510		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01
T-601		22.83	2.63	30.99	<1.61E+00	<1.88E+00	<2.00E+00	<6.09E-01	<2.57E-01	<8.87E-01	<2.91E-01	<7.34E-01	2.80	3.96	<7.34E-01	<1.29E+00	<1.69E+00	<7.34E-01
T-602		33.40	3.86	43.67	<1.61E+00	<1.88E+00	<1.99E+00	<6.08E-01	<2.56E-01	<8.85E-01	2.43	<7.33E-01	<3.87E-01	<1.91E+00	<7.33E-01	<1.29E+00	<1.68E+00	<7.33E-01
T-603		71.16	21.48	23.33	<1.61E+00	8.74	12.59	<6.07E-01	<2.56E-01	<8.83E-01	2.55	<7.31E-01	3.07	<1.91E+00	<7.31E-01	<1.29E+00	<1.68E+00	<7.31E-01
T-604		30.68	3.59	24.22	<1.61E+00	<1.88E+00	<1.99E+00	<6.08E-01	<2.56E-01	<8.85E-01	1.64	<7.33E-01	2.49	<1.91E+00	<7.33E-01	<1.29E+00	<1.68E+00	<7.33E-01
T-605		25.04	<4.75E-01	20.36	<1.54E+00	<1.79E+00	<1.90E+00	<5.80E-01	<2.45E-01	<8.45E-01	3.02	<6.99E-01	4.07	6.08	<6.99E-01	<1.23E+00	<1.61E+00	<6.99E-01
T-606		<1.98E+00	<4.84E-01	6.76	<1.57E+00	<1.83E+00	<1.94E+00	<5.92E-01	<2.50E-01	<8.62E-01	<2.83E-01	<7.14E-01	<3.77E-01	8.65	<7.14E-01	<1.26E+00	<1.64E+00	<7.14E-01
T-607		<1.92E+00	<4.70E-01	27.46	<1.52E+00	<1.78E+00	<1.89E+00	<5.75E-01	<2.42E-01	<8.37E-01	5.97	<6.93E-01	<3.66E-01	5.71	<6.93E-01	<1.22E+00	<1.59E+00	<6.93E-01
T-608		22.10	1.47	21.08	4.10	<1.83E+00	<1.94E+00	<5.91E-01	<2.49E-01	<8.60E-01	3.06	<7.12E-01	<3.76E-01	4.73	<7.12E-01	<1.25E+00	<1.64E+00	<7.12E-01
T-609		25.74	1.99	25.43	7.27	<1.83E+00	<1.94E+00	<5.91E-01	<2.49E-01	<8.60E-01	3.66	<7.12E-01	<3.76E-01	<1.86E+00	<7.12E-01	<1.25E+00	<1.64E+00	<7.12E-01
T-610		<1.99E+00	<4.88E-01	<1.10E+00	<1.58E+00	<1.84E+00	<1.96E+00	<5.96E-01	<2.51E-01	<8.69E-01	<2.85E-01	<7.19E-01	<3.80E-01	<1.87E+00	<7.19E-01	<1.27E+00	<1.65E+00	<7.19E-01

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

Sample Number	Compound	Acetone	2-Butanone (MEK)	Methanol	Ethanol	Isopropyltoluene	Decane	Ethyl acetate	Tetrahydrofuran	Nonane	Propylene	m,p-Xylenes	Acrolein	Benzene	o-Xylene	Toluene	1,2,4-Trimethylbenzene	Ethylbenzene
	CAS	67-64-1	78-93-3	67-56-1	64-17-5	99-87-6	124-18-5	141-78-6	109-99-9	111-84-2	115-07-1	1330-20-7	107-02-8	71-43-2	95-47-6	108-88-3	95-63-6	100-41-4
	MW	58.1	72.1	32	46.1	134.2	142.3	88.1	72.1	128.3	42.08	106.2	56.1	78.1	106.2	92.1	120.2	106.2
Flux (mg/m2-min)																		
T-101		0.00208	0.00018	0.00127	0.00091	<1.63E-04	<1.73E-04	<5.26E-05	<2.22E-05	<7.66E-05	<2.51E-05	<6.34E-05	0.00025	<1.65E-04	<6.34E-05	<1.12E-04	<1.46E-04	<6.34E-05
T-102		0.00121	0.00011	0.00085	0.00035	<1.02E-04	<1.09E-04	<3.31E-05	<1.40E-05	<4.82E-05	<1.58E-05	<3.99E-05	<2.11E-05	<1.04E-04	<3.99E-05	<7.02E-05	<9.17E-05	<3.99E-05
T-103		0.00109	0.00015	0.00144	0.00033	<1.39E-04	<1.47E-04	<4.49E-05	<1.89E-05	<6.54E-05	<2.15E-05	<5.42E-05	<2.86E-05	<1.41E-04	<5.42E-05	<9.54E-05	<1.24E-04	<5.42E-05
T-104		0.00196	0.00015	0.00013	<7.66E-05	0.00305	0.00061	<2.89E-05	0.00020	0.00049	0.00198	0.00134	<1.84E-05	0.00029	0.00071	0.00101	0.00018	0.00034
T-105		0.00032	<2.05E-05	0.00011	<6.62E-05	<7.74E-05	<8.20E-05	<2.50E-05	<1.05E-05	<3.64E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.86E-05	<3.01E-05	<5.31E-05	<6.93E-05	<3.01E-05
T-106		0.00039	<2.25E-05	0.00014	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	<1.32E-05	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05	<7.63E-05	<3.32E-05
T-107		<1.21E-04	<2.98E-05	0.00147	<9.63E-05	<1.12E-04	<1.19E-04	<3.64E-05	<1.53E-05	<5.29E-05	<1.74E-05	<4.38E-05	<2.31E-05	<1.14E-04	<4.38E-05	<7.72E-05	<1.01E-04	<4.38E-05
T-108		0.00227	0.00036	0.00165	0.00329	<2.70E-04	<2.86E-04	<8.73E-05	<3.68E-05	<1.27E-04	<4.17E-05	<1.05E-04	0.00040	<2.74E-04	<1.05E-04	<1.85E-04	<2.42E-04	<1.05E-04
T-109		<9.08E-05	<2.23E-05	<5.00E-05	<7.20E-05	<8.41E-05	<8.92E-05	<2.72E-05	<1.15E-05	<3.96E-05	<1.30E-05	<3.28E-05	<1.73E-05	<8.55E-05	<3.28E-05	<5.77E-05	<7.53E-05	<3.28E-05
T-110		<8.19E-05	<2.01E-05	<4.51E-05	<6.50E-05	<7.59E-05	<8.04E-05	<2.45E-05	<1.03E-05	<3.57E-05	<1.17E-05	<2.96E-05	<1.56E-05	<7.71E-05	<2.96E-05	<5.21E-05	<6.79E-05	<2.96E-05
T-111		0.00122	<1.35E-04	0.00171	<4.35E-04	<5.09E-04	<5.39E-04	<1.64E-04	<6.93E-05	<2.39E-04	<7.85E-05	<1.98E-04	<1.05E-04	<5.17E-04	<1.98E-04	<3.49E-04	<4.55E-04	<1.98E-04
T-112		0.00058	0.00010	0.00018	<8.32E-05	<9.72E-05	<1.03E-04	<3.14E-05	<1.32E-05	<4.58E-05	0.00044	<3.79E-05	<2.00E-05	<9.87E-05	<3.79E-05	<6.67E-05	<8.70E-05	<3.79E-05
T-113		0.00056	0.00010	0.00017	<7.29E-05	<8.52E-05	<9.03E-05	<2.75E-05	<1.16E-05	<4.01E-05	0.00042	<3.32E-05	<1.75E-05	<8.66E-05	<3.32E-05	<5.84E-05	<7.63E-05	<3.32E-05
T-114		<8.32E-05	<2.04E-05	<4.58E-05	<6.60E-05	<7.71E-05	<8.18E-05	<2.49E-05	<1.05E-05	<3.63E-05	<1.19E-05	<3.01E-05	<1.59E-05	<7.84E-05	<3.01E-05	<5.29E-05	<6.91E-05	<3.01E-05
T-201		0.00036	<2.31E-05	<5.19E-05	<7.47E-05	<8.72E-05	<9.25E-05	<2.82E-05	<1.19E-05	<4.11E-05	<1.35E-05	<3.40E-05	<1.80E-05	<8.87E-05	<3.40E-05	<5.99E-05	<7.81E-05	<3.40E-05
T-202		0.00067	0.00008	0.00038	<8.20E-05	<9.58E-05	<1.02E-04	<3.10E-05	<1.31E-05	<4.51E-05	<1.48E-05	<3.73E-05	<1.97E-05	<9.73E-05	<3.73E-05	<6.57E-05	<8.58E-05	<3.73E-05
T-203		0.00018	<1.94E-05	<4.36E-05	<6.29E-05	<7.34E-05	<7.79E-05	<2.37E-05	<1.00E-05	<3.46E-05	<1.13E-05	<2.86E-05	<1.51E-05	0.00019	<2.86E-05	<5.04E-05	<6.58E-05	<2.86E-05
T-204		<1.09E-04	<2.66E-05	<5.98E-05	<8.61E-05	<1.01E-04	<1.07E-04	<3.25E-05	<1.37E-05	<4.73E-05	<1.55E-05	<3.92E-05	<2.07E-05	<1.02E-04	<3.92E-05	<6.90E-05	<9.01E-05	<3.92E-05
T-205		<8.51E-05	<2.09E-05	<4.69E-05	<6.75E-05	<7.89E-05	<8.36E-05	<2.55E-05	<1.08E-05	<3.71E-05	<1.22E-05	0.00011	<1.62E-05	<8.02E-05	<3.07E-05	<5.41E-05	<7.07E-05	<3.07E-05
T-206		0.00035	<3.22E-05	<7.23E-05	<1.04E-04	<1.22E-04	<1.29E-04	<3.93E-05	<1.66E-05	<5.73E-05	<1.88E-05	<4.74E-05	<2.50E-05	<1.24E-04	<4.74E-05	<8.35E-05	<1.09E-04	<4.74E-05
T-207		<8.56E-05	<2.10E-05	<4.71E-05	<6.79E-05	0.00066	<8.41E-05	<2.56E-05	<1.08E-05	<3.73E-05	0.00008	0.00022	<1.63E-05	0.00032	0.00008	0.00017	<7.10E-05	0.00007
T-208		<8.68E-05	<2.13E-05	<4.78E-05	<6.89E-05	<8.04E-05	<8.53E-05	<2.60E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.18E-05	<3.14E-05	<5.52E-05	<7.21E-05	<3.14E-05
T-209		<8.23E-05	<2.02E-05	<4.53E-05	<6.53E-05	0.00039	<8.08E-05	<2.47E-05	<1.04E-05	<3.59E-05	<1.18E-05	0.00017	<1.57E-05	0.00057	0.00008	0.00013	<6.83E-05	0.00008
T-210		<9.14E-05	<2.24E-05	<5.04E-05	<7.26E-05	<8.47E-05	<8.99E-05	<2.74E-05	<1.16E-05	<3.99E-05	0.00005	<3.30E-05	<1.74E-05	<8.61E-05	<3.30E-05	<5.82E-05	<7.59E-05	<3.30E-05
T-211		0.00019	<2.10E-05	<4.72E-05	<6.79E-05	<7.93E-05	<8.41E-05	<2.57E-05	<1.08E-05	<3.74E-05	0.00005	0.00009	<1.63E-05	0.00018	<3.09E-05	<5.45E-05	<7.11E-05	<3.09E-05
T-212		<7.89E-05	<1.94E-05	<4.35E-05	<6.26E-05	0.00027	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00005	0.00012	<1.51E-05	0.00035	<2.85E-05	0.00012	<6.55E-05	<2.85E-05
T-213		<8.86E-05	<2.17E-05	<4.88E-05	<7.03E-05	0.00033	<8.71E-05	<2.66E-05	<1.12E-05	<3.87E-05	0.00004	0.00015	<1.69E-05	0.00040	<3.20E-05	<5.64E-05	<7.36E-05	0.00007
T-214		<9.12E-05	<2.24E-05	<5.02E-05	0.00017	<8.45E-05	<8.96E-05	<2.73E-05	<1.15E-05	<3.98E-05	<1.30E-05	<3.29E-05	<1.74E-05	<8.58E-05	<3.29E-05	<5.80E-05	<7.57E-05	<3.29E-05
T-301		0.00218	0.00143	0.00086	0.00028	0.00100	<1.42E-04	0.00072	<1.83E-05	<6.31E-05	0.00008	<5.22E-05	<2.76E-05	<1.36E-04	<5.22E-05	<9.19E-05	<1.20E-04	<5.22E-05
T-302		0.00054	<1.96E-05	0.00047	<6.34E-05	<7.41E-05	<7.85E-05	<2.40E-05	<1.01E-05	<3.49E-05	0.00012	<2.89E-05	<1.53E-05	<7.53E-05	<2.89E-05	<5.08E-05	<6.63E-05	<2.89E-05
T-303		0.00074	<2.12E-05	0.00106	<6.85E-05	<8.01E-05	<8.49E-05	<2.59E-05	<1.09E-05	<3.77E-05	0.00006	<3.12E-05	0.00025	<8.14E-05	<3.12E-05	<5.49E-05	<7.17E-05	<3.12E-05
T-304		0.00048	0.00016	0.00019	<7.85E-05	<9.17E-05	<9.72E-05	<2.96E-05	0.00035	<4.32E-05	<1.42E-05	<3.57E-05	<1.89E-05	<9.32E-05	<3.57E-05	<6.29E-05	<8.21E-05	<3.57E-05
T-305		0.00511	0.00197	0.00621	0.00045	0.00248	<1.49E-04	<4.54E-05	<1.91E-05	<6.61E-05	0.00012	<5.48E-05	0.00073	<1.43E-04	<5.48E-05	<9.64E-05	<1.26E-04	<5.48E-05
T-306		0.01242	<7.92E-05	0.00637	0.00058	<2.99E-04	<3.17E-04	<9.68E-05	<4.08E-05	0.00297	0.00032	0.00430	<6.16E-05	0.00067	0.00207	<2.05E-04	0.00055	<1.17E-04
T-307		0.00197	0.00035	0.00218	<9.14E-05	<1.07E-04	<1.13E-04	0.00038	<1.46E-05	<5.03E-05	0.00046	<4.16E-05	0.00042	0.00032	<4.16E-05	<7.33E-05	<9.57E-05	<4.16E-05
T-308		<1.21E-04	<2.96E-05	0.00029	0.00022	<1.12E-04	<1.19E-04	<3.62E-05	<1.53E-05	<5.27E-05	0.00011	<4.36E-05	<2.30E-05	<1.14E-04	<4.36E-05	<7.68E-05	<1.00E-04	<4.36E-05
T-309		0.00077	<2.00E-05	0.00024	<6.46E-05	<7.55E-05	0.00016	<2.44E-05	<1.03E-05	<3.55E-05	0.00011	<2.94E-05	<1.55E-05	0.00026	<2.94E-05	<5.18E-05	<6.76E-05	<2.94E-05
T-310		0.00371	0.00031	0.00741	0.00075	<9.36E-05	<9.93E-05	<3.03E-05	<1.28E-05	<4.41E-05	0.00013	<3.65E-05	0.00084	0.00019	<3.65E-05	<6.43E-05	<8.39E-05	<3.65E-05
T-311		0.00226	0.00016	0.00458	0.00040	<1.09E-04	<1.15E-04	<3.52E-05	<1.48E-05	<5.12E-05	0.00015	<4.24E-05	0.00050	0.00039	<4.24E-05	<7.47E-05	<9.74E-05	<4.24E-05
T-312		0.12799	0.19675	0.00809	0.05251	0.08890	0.06508	0.03833	0.02606	0.03825	0.00070	0.00835	0.00223	0.00127	0.00426	0.00229	0.00448	0.00328
T-313		0.00092	<1.78E-05	0.00029	0.00015	0.00279	0.00036	<2.17E-05	<9.15E-06	0.00008	0.00010	<2.62E-05	0.00012	0.00015	<2.62E-05	<4.60E-05	<6.01E-05	<2.62E-05
T-314		<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05	<6.77E-05	<2.95E-05
T-401		0.00063	<3.25E-05	<7.30E-05	<1.05E-04	<1.23E-04	<1.30E-04	<3.97E-05	<1.67E-05	<5.78E-05	<1.90E-05	<4.79E-05	<2.53E-05	<1.25E-04	<4.79E-05	<8.43E-05	<1.10E-04	<4.79E-05
T-402		0.00048	<2.79E-05	<6.27E-05	<9.03E-05	<1.05E-04	<1.12E-04	<3.41E-05	<1.44E-05	<4.96E-05	<1.63E-05	<4.11E-05	<2.17E-05	<1.07E-04	<4.11E-05	<7.23E-05	<9.44E-05	<4.11E-05
T-403		<8.15E-05	<2.00E-05	<4.49E-05	<6.47E-05	<7.56E-05	<8.01E-05	<2.44E-05	<1.03E-05	<3.56E-05	<1.17E-05	<2.95E-05	<1.56E-05	<7.68E-05	<2.95E-05	<5.19E-05	<6.77E-05	<2.95E-05
T-404		<1.69E-04	<4.14E-05	<9.30E-05	<1.34E-04	<1.56E-04	<1.66E-04	<5.06E-05	<2.13E-05	<7.37E-05	<2.42E-05	<6.10E-05	<3.22E-05	<1.59E-04	<6.10E-05	<1.07E-04	<1.40E-04	<6.10E-05
T-405		<8.61E-05	<2.11E-05	<4.74E-05	<6.83E-05	<7.98E-05	<8.46E-05	<2.58E-05	<1.09E-05	<3.76E-05	0.00010	<3.11E-05	<1.64E-05	0.00016	<3.11E-05	<5.47E-05	<7.14E-05	<3.11E-05
T-406		<1.08E-04	<2.64E-05	<5.93E-05	<8.54E-05	<9.97E-05	<1.06E-04	<3.22E-05	<1.36E-05	<4.69E-05	<1.54E-05	<3.89E-05	<2.05E-05	0.00021	<3.89E-05	<6.84E-05	<8.93E-05	<3.89E-05
T-407		0.00058	<1.94E-05	0.00011	<6.26E-05	<7.31E-05	<7.76E-05	<2.36E-05	<9.97E-06	<3.44E-05	0.00009	<2.85E-05	<1.51E-05	<7.43E-05	<2.85E-05	<5.02E-05	<6.55E-05	<2.85E-05
T-408		0.00070	<2.26E-05	<5.07E-05	<7.31E-05	<8.53E-05	<9.05E-05	<2.76E-05	<1.16E-05	<4.02E-05	0.00009	<3.33E-05	0.00014	<8.67E-05	<3.33E-05	<5.86E-05	<7.64E-05	<3.33E-05
T-409		0.00072	<2.20E-05	<4.95E-05	<7.13E-05	<8.33E-05	<8.83E-05	<2.69E-05	<1.14E-05	<3.92E-05	<1.29E-05	<3.25E-05	0.00013	<8.46E-05	<3.25E-05	<5.71E-05	<7.46E-05	<3.25E-05
T-410		<7.78E-05	<1.91E-05	<4.29E-05	<6.17E-05	<7.21E-05	<7.64E-05	<2.33E-05	<9.83E-06	<3.39E-05	<1.11E-05	<2.81E-05	<1.48E-05	<7.33E-05	<2.81E-05	<4.95E-05	<6.46E-05	<2.81E-05
T-501		<8.78E-05	<2.15E-05	<4.83E-05	<6.96E-05	<8.13E-05	<8.62E-05	<2.63E-05	<1.11E-05	<3.83E-05	<1.26E-05	<3.17E-05	<1.67E-05	<8.27E-05	<3.17E-05	<5.58E-05	<7.28E-05	<3.17E-05
T-502		0.00044	<2.28E-05	0.00012	<7.39E-05	<8.63E-05	<9.15E-05	<2.79E-05	<1.18E-05	<4.06E-05	<1.33E-05	<3.36E-05	<1.78E-05	<8.77E-05	<3.36E-05	<5.92E-05	<7.73E-05	<3.36E-05
T-503		0.00041	<2.12E-05	<4.77E-05	<6.87E-05	<8.02E-05	<8.51E-05	<2.59E-05	<1.09E-05	<3.78E-05	<1.24E-05	<3.13E-05	<1.65E-05	0.00024	<3.13E-05	<5.51E-05	<7.18E-05	<3.13E-05
T-504		0.00027	<2.38E-05	<5.34E-05	<7.69E-05	<8.98E-05	<9.52E-05	<2.90E-05	<1.22E-05	<4.23E-05	<1.39E-05	<3.50E-05	<1.85E-05	<9.12E-05	<3.50E-05	<6.16E-05	<8.04E-05	<3.50E-05
T-505		<9.53E-05	<2.34E-05	<5.25E-05	<7.56E-05	<8.83E-05	<9.36E-05	<2.85E-05	<1.20E-05	<4.16E-05	<1.36E-05	<3.44E-05	<1.82E-05	<8.97E-05	<3.44E-05	<6.06E-05	<7.91E-05	<3.44E-05
T-506		<8.94E-05	<2.19E-05	0.00011	<7.09E-05	<8.28E-05	<8.79E-05	<2.68E-05	<1.13E-05	<3.90E-05	<1.28E-05	<3.23E-05	<1.71E-05	<8.42E-05	<3.23E-05	<5.69E-05	<7.42E-05	<3.23E-05
T-507		<9.99E-05	0.00010	<5.50E-05	<7.92E-05	<9.25E-05	<9.81E-05	<2.99E-05	<1.26E-05	<4.36E-05	0.00009	<3.61E-05	<1.91E-05	<9.40E-05	<3.61E-05	<6.35E-05	<8.29E-05	<3.61E-05
T-508		0.00055	<2.92E-05	<6.55E-05	<9.43E-05	<1.10E-04	<1.17E-04	<3.56E-05	<1.50E-05	<5.19E-05	0.00010	<4.29E-05	<2.27E-05	<1.12E-04	<4.29E-05	<7.56E-05	<9.87E-05	<4.29E-05
T-509		0.00022	<2.07E-05	0.00010	<6.70E-05	<7.83E-05	<8.30E-05	<2.53E-05	<1.07E-05	<3.69E-05	0.00009	<3.05E-05	<1.61E-05	<7.95E-05	<3.05E-05	<5.37E-05	<7.01E-05	<3.05E-05
T-510		<8.65E-05	<2.12E-05	<4.77E-05	<6.87E-05	<8.02E-05	<8.50E-05	<2.59E-05	<1.09E-05	<3.78E-05	<1.24E-05	<3.13E-05	<1.65E-05	<8.15E-05	<3.13E-05	<5.50E-05	<7.18E-05	<3.13E-05
T-601		0.00115	0.00013	0.00156	<8.10E-05	<9.46E-05	<1.00E-04	<3.06E-05	<1.29E-05	<4.46E-05	<1.46E-05	<3.69E-05	0.00014	0.00020	<3.69E-05	<6.49E-05	<8.47E-05	<3.69E-05
T-602		0.00157	0.00018	0.00205	<7.56E-05	<8.83E-05	<9.36E-05	<2.85E-05	<1.20E-05	<4.16E-05	0.00011	<3.44E-05	<1.82E-05	<8.97E-05	<3.44E-05	<6.06E-05	<7.91E-05	<3.44E-05
T-603		0.00417	0.00126	0.00137	<9.42E-05	0.00051	0.00074	<3.56E-05	<1.50E-05	<5.18E-05	0.00015	<4.29E-05	0.00018	<1.12E-04	<4.29E-05	<7.55E-05	<9.85E-05	<4.29E-05
T-604		0.00132	0.00015	0.00104	<6.91E-05	<8.07E-05	<8.55E-05	<2.61E-05	<1.10E-05	<3.80E-05	0.00007	<3.14E-05	0.00011	<8.20E-05	<3.14E-05	<5.54E-05	<7.22E-05	<3.14E-05
T-605		0.00228	<4.32E-05	0.00185	<1.40E-04	<1.63E-04	<1.73E-04	<5.28E-05	<2.22E-05	<7.68E-05	0.00027	<6.36E-05	0.00037	0.00055	<6.36E-05	<1.12E-04	<1.46E-04	<6.36E-05
T-606		<9.33E-05	<2.29E-05	0.00032	<7.41E-05	<8.65E-05	<9.17E-05	<2.80E-05	<1.18E-05	<4.07E-05	<1.34E-05	<3.37E-05	<1.78E-05	0.00041	<3.37E-05	<5.94E-05	<7.75E-05	<3.37E-05
T-607		<1.62E-04	<3.97E-05	0.00232	<1.29E-04	<1.50E-04	<1.59E-04	<4.85E-05	<2.05E-05	<7.07E-05	0.00050	<5.85E-05	<3.09E-05	0.00048	<5.85E-05	<1.03E-04	<1.34E-04	<5.85E-05
T-608		0.00228	0.00015	0.00217	0.00042	<1.88E-04	<2.00E-04	<6.09E-05	<2.57E-05	<8.87E-05	0.00032	<7.34E-05	<3.88E-05	0.00049	<7.34E-05	<1.29E-04	<1.69E-04	<7.34E-05
T-609		0.00244	0.00019	0.00241	0.00069	<1.73E-04	<1.84E-04	<5.60E-05	<2.36E-05	<8.15E-05	0.00035	<6.75E-05	<3.56E-05	<1.76E-04	<6.75E-05	<1.19E-04	<1.55E-04	<6.75E-05
T-610		<8.70E-05	<2.13E-05	<4.79E-05	<6.90E-05	<8.06E-05	<8.55E-05	<2.61E-05	<1.10E-05	<3.79E-05	<1.24E-05	<3.14E-05	<1.66E-05	<8.19E-05	<3.14E-05	<5.53E-05	<7.22E-05	<3.14E-05

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	4-Ethyltoluene	Naphthalene	Octane	Chloromethane	Cyclohexane	Hexane	t-Butyl alcohol	Trichloroethene (TCE)	Carbon disulfide	Tetrachloroethene (PCE)	2-Hexanone	1,3,5-Trimethylbenzene	Styrene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Vinyl chloride
	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
	MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5
Lab Data (ppbv)																	
T-101		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104		0.95	ND	0.74	ND	ND	ND	3.09	ND	ND	ND	ND	0.71	ND	ND	ND	ND
T-105		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91	ND	ND	ND	ND	ND	ND
T-302		ND	ND	ND	ND	2.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND
T-306		ND	3.72	1.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307		ND	3.36	ND	ND	3.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-309		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310		ND	ND	ND	14.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312		16.93	ND	14.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404		ND	ND	ND	ND	ND	8.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	4.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	2.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	3.56	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	0.68	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	1.23	ND	ND	ND	ND	ND	ND	ND
T-508		ND	ND	ND	ND	ND	ND	ND	1.75	ND	0.28	ND	ND	ND	ND	ND	ND
T-509		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-602		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-603		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-605		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-607		ND	ND	ND	ND	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-608		ND	ND	ND	ND	3.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-609		ND	ND	ND	ND	4.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	4-Ethyltoluene	Naphthalene	Octane	Chloromethane	Cyclohexane	Hexane	t-Butyl alcohol	Trichloroethene (TCE)	Carbon disulfide	Tetrachloroethene (PCE)	2-Hexanone	1,3,5-Trimethylbenzene	Styrene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Vinyl chloride
	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
	MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5
MDL (ppbv)																	
T-101		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-102		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-103		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-104		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-105		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-106		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-107		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-108		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-109		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-110		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-111		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-112		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-113		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-114		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-201		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-202		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-203		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-204		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-205		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-206		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-207		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-208		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-209		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-210		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-211		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-212		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-213		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-214		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-301		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-302		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-303		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-304		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-305		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-306		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-307		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-308		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-309		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-310		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-311		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-312		4	10	2	3	1	2	2	0.5	2	0.5	2	4	3	3	2	1.01
T-313		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-314		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-401		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-402		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-403		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-404		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-405		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-406		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-407		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-408		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-409		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-410		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-501		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-502		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-503		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-504		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-505		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-506		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-507		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-508		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-509		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-510		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-601		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-602		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-603		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-604		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-605		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-606		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-607		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-608		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-609		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17
T-610		0.67	1.67	0.33	0.5	0.17	0.33	0.33	0.08	0.33	0.08	0.33	0.67	0.5	0.5	0.33	0.17

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	4-Ethyltoluene	Naphthalene	Octane	Chloromethane	Cyclohexane	Hexane	t-Butyl alcohol	Trichloroethene (TCE)	Carbon disulfide	Tetrachloroethene (PCE)	2-Hexanone	1,3,5-Trimethylbenzene	Styrene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Vinyl chloride
	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
	MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5
Data Used (ug/l)																	
T-101		<1.62E+00	<4.32E+00	<7.60E-01	<5.09E-01	<2.89E-01	<5.74E-01	<4.93E-01	<2.12E-01	<5.07E-01	<2.68E-01	<6.67E-01	<1.62E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.14E-01
T-102		<1.63E+00	<4.34E+00	<7.63E-01	<5.11E-01	<2.90E-01	<5.76E-01	<4.95E-01	<2.13E-01	<5.08E-01	<2.69E-01	<6.70E-01	<1.63E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.15E-01
T-103		<1.65E+00	<4.38E+00	<7.70E-01	<5.16E-01	<2.93E-01	<5.81E-01	<5.00E-01	<2.15E-01	<5.13E-01	<2.71E-01	<6.76E-01	<1.65E+00	<1.06E+00	<1.24E+00	<1.15E+00	<2.17E-01
T-104		4.78	<4.48E+00	3.54	<5.29E-01	<3.00E-01	<5.96E-01	9.59	<2.20E-01	<5.26E-01	<2.78E-01	<6.93E-01	3.57	<1.09E+00	<1.27E+00	<1.18E+00	<2.23E-01
T-105		<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-106		<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-107		<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-108		<1.57E+00	<4.17E+00	<7.33E-01	<4.91E-01	<2.79E-01	<5.54E-01	<4.76E-01	<2.05E-01	<4.89E-01	<2.58E-01	<6.43E-01	<1.57E+00	<1.01E+00	<1.18E+00	<1.10E+00	<2.07E-01
T-109		<1.56E+00	<4.14E+00	<7.28E-01	<4.88E-01	<2.77E-01	<5.50E-01	<4.72E-01	<2.03E-01	<4.85E-01	<2.56E-01	<6.39E-01	<1.56E+00	<1.01E+00	<1.17E+00	<1.09E+00	<2.05E-01
T-110		<1.60E+00	<4.24E+00	<7.47E-01	<5.00E-01	<2.84E-01	<5.64E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.63E-01	<6.55E-01	<1.60E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-111		<1.54E+00	<4.10E+00	<7.22E-01	<4.84E-01	<2.74E-01	<5.45E-01	<4.68E-01	<2.01E-01	<4.81E-01	<2.54E-01	<6.33E-01	<1.54E+00	<9.98E-01	<1.16E+00	<1.08E+00	<2.03E-01
T-112		<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-113		<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-114		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-201		<1.67E+00	<4.44E+00	<7.82E-01	<5.24E-01	<2.97E-01	<5.90E-01	<5.07E-01	<2.18E-01	<5.21E-01	<2.75E-01	<6.86E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-202		<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	<2.75E-01	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-203		<1.68E+00	<4.47E+00	<7.86E-01	<5.27E-01	<2.99E-01	<5.94E-01	<5.10E-01	<2.19E-01	<5.24E-01	<2.77E-01	<6.90E-01	<1.68E+00	<1.09E+00	<1.26E+00	<1.18E+00	<2.22E-01
T-204		<1.69E+00	<4.49E+00	<7.91E-01	<5.30E-01	<3.00E-01	<5.97E-01	<5.13E-01	<2.21E-01	<5.27E-01	<2.78E-01	<6.94E-01	<1.69E+00	<1.09E+00	<1.27E+00	<1.18E+00	<2.23E-01
T-205		<1.63E+00	<4.34E+00	<7.64E-01	<5.12E-01	<2.90E-01	<5.77E-01	<4.96E-01	<2.13E-01	<5.09E-01	<2.69E-01	<6.71E-01	<1.63E+00	<1.06E+00	<1.23E+00	<1.14E+00	<2.16E-01
T-206		<1.62E+00	<4.30E+00	<7.57E-01	<5.08E-01	<2.88E-01	<5.72E-01	<4.92E-01	<2.11E-01	<5.05E-01	<2.67E-01	<6.65E-01	<1.62E+00	<1.05E+00	<1.22E+00	<1.13E+00	<2.14E-01
T-207		<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-208		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-209		<1.61E+00	<4.27E+00	<7.52E-01	<5.04E-01	<2.86E-01	<5.68E-01	<4.88E-01	<2.10E-01	<5.01E-01	<2.65E-01	<6.60E-01	<1.61E+00	<1.04E+00	<1.21E+00	<1.13E+00	<2.12E-01
T-210		<1.60E+00	<4.26E+00	<7.49E-01	<5.02E-01	<2.85E-01	<5.66E-01	<4.86E-01	<2.09E-01	<4.99E-01	<2.64E-01	<6.57E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.11E-01
T-211		<1.60E+00	<4.26E+00	<7.51E-01	<5.03E-01	<2.85E-01	<5.67E-01	<4.87E-01	<2.09E-01	<5.00E-01	<2.64E-01	<6.59E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.12E-01
T-212		<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-213		<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	<2.83E-01	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-214		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-301		<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	6.25	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-302		<1.70E+00	<4.52E+00	<7.95E-01	<5.33E-01	8.46	<6.00E-01	<5.16E-01	<2.22E-01	<5.30E-01	<2.80E-01	<6.98E-01	<1.70E+00	<1.10E+00	<1.28E+00	<1.19E+00	<2.24E-01
T-303		<1.66E+00	<4.42E+00	<7.79E-01	<5.22E-01	<2.96E-01	<5.88E-01	<5.05E-01	<2.17E-01	<5.19E-01	<2.74E-01	<6.83E-01	<1.66E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-304		<1.67E+00	<4.43E+00	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	<2.75E-01	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-305		<1.53E+00	<4.08E+00	<7.18E-01	<4.81E-01	<2.73E-01	<5.42E-01	<4.66E-01	<2.00E-01	<4.78E-01	<2.53E-01	4.09	<1.53E+00	<9.93E-01	<1.15E+00	<1.07E+00	<2.02E-01
T-306		<1.56E+00	18.46	6.37	<4.89E-01	<2.77E-01	<5.51E-01	<4.73E-01	<2.03E-01	<4.86E-01	<2.57E-01	<6.40E-01	<1.56E+00	<1.01E+00	<1.17E+00	<1.09E+00	<2.06E-01
T-307		<1.55E+00	16.62	<7.27E-01	<4.87E-01	11.34	<5.49E-01	<4.72E-01	<2.03E-01	<4.84E-01	<2.56E-01	<6.38E-01	<1.55E+00	<1.00E+00	<1.17E+00	<1.09E+00	<2.05E-01
T-308		<1.58E+00	<4.19E+00	<7.37E-01	<4.94E-01	<2.80E-01	<5.56E-01	<4.78E-01	<2.06E-01	<4.91E-01	<2.59E-01	<6.47E-01	<1.58E+00	<1.02E+00	<1.18E+00	<1.10E+00	<2.08E-01
T-309		<1.53E+00	<4.07E+00	<7.17E-01	<4.80E-01	<2.72E-01	<5.41E-01	<4.65E-01	<2.00E-01	<4.78E-01	<2.52E-01	<6.29E-01	<1.53E+00	<9.91E-01	<1.15E+00	<1.07E+00	<2.02E-01
T-310		<1.47E+00	<3.90E+00	<6.87E-01	26.83	<2.61E-01	<5.19E-01	<4.46E-01	<1.92E-01	<4.58E-01	<2.42E-01	<6.03E-01	<1.47E+00	<9.50E-01	<1.10E+00	<1.03E+00	<1.94E-01
T-311		<1.51E+00	<4.02E+00	<7.07E-01	<4.74E-01	<2.69E-01	<5.34E-01	<4.59E-01	<1.97E-01	<4.71E-01	<2.49E-01	<6.20E-01	<1.51E+00	<9.77E-01	<1.13E+00	<1.06E+00	<1.99E-01
T-312		77.01	<2.43E+01	64.48	<2.87E+00	<1.59E+00	<3.26E+00	<2.80E+00	<1.24E+00	<2.88E+00	<1.57E+00	<3.79E+00	<9.10E+00	<5.91E+00	<6.86E+00	<6.47E+00	<1.19E+00
T-313		<1.52E+00	<4.05E+00	<7.13E-01	<4.78E-01	<2.71E-01	<5.38E-01	<4.63E-01	<1.99E-01	<4.75E-01	<2.51E-01	<6.26E-01	<1.52E+00	<9.86E-01	<1.14E+00	<1.07E+00	<2.01E-01
T-314		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-401		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-402		<1.66E+00	<4.42E+00	<7.79E-01	<5.22E-01	<2.96E-01	<5.88E-01	<5.05E-01	<2.17E-01	<5.19E-01	<2.74E-01	<6.83E-01	<1.66E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-403		<1.66E+00	<4.40E+00	<7.75E-01	<5.19E-01	<2.94E-01	<5.85E-01	<5.03E-01	<2.16E-01	<5.16E-01	<2.73E-01	<6.80E-01	<1.66E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-404		<1.65E+00	<4.38E+00	<7.70E-01	<5.16E-01	<2.93E-01	30.55	<5.00E-01	<2.15E-01	<5.13E-01	<2.71E-01	<6.76E-01	<1.65E+00	<1.06E+00	<1.24E+00	<1.15E+00	<2.17E-01
T-405		<1.60E+00	<4.26E+00	<7.49E-01	<5.02E-01	<2.85E-01	<5.66E-01	<4.86E-01	<2.09E-01	<4.99E-01	<2.64E-01	<6.57E-01	<1.60E+00	<1.04E+00	<1.20E+00	<1.12E+00	<2.11E-01
T-406		<1.61E+00	<4.29E+00	<7.55E-01	<5.06E-01	<2.87E-01	<5.70E-01	<4.90E-01	<2.11E-01	<5.03E-01	<2.66E-01	<6.62E-01	<1.61E+00	<1.04E+00	<1.21E+00	<1.13E+00	<2.13E-01
T-407		<1.62E+00	<4.32E+00	<7.60E-01	<5.09E-01	<2.89E-01	<5.74E-01	<4.93E-01	<2.12E-01	<5.07E-01	<2.68E-01	<6.67E-01	<1.62E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.14E-01
T-408		<1.63E+00	<4.34E+00	<7.64E-01	<5.12E-01	<2.90E-01	<5.77E-01	<4.96E-01	<2.13E-01	<5.09E-01	<2.69E-01	<6.71E-01	<1.63E+00	<1.06E+00	<1.23E+00	<1.14E+00	<2.16E-01
T-409		<1.63E+00	<4.34E+00	<7.64E-01	<5.12E-01	<2.90E-01	<5.77E-01	<4.96E-01	<2.13E-01	<5.09E-01	<2.69E-01	<6.71E-01	<1.63E+00	<1.06E+00	<1.23E+00	<1.14E+00	<2.16E-01
T-410		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-501		<1.67E+00	25.27	<7.80E-01	<5.23E-01	<2.96E-01	<5.89E-01	<5.06E-01	<2.18E-01	<5.20E-01	<2.75E-01	<6.85E-01	<1.67E+00	<1.08E+00	<1.25E+00	<1.17E+00	<2.20E-01
T-502		<1.65E+00	10.62	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-503		<1.66E+00	18.79	<7.76E-01	<5.20E-01	<2.95E-01	<5.86E-01	<5.03E-01	<2.16E-01	<5.17E-01	<2.73E-01	<6.81E-01	<1.66E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.19E-01
T-504		<1.66E+00	<4.42E+00	<7.79E-01	<5.22E-01	<2.96E-01	<5.88E-01	<5.05E-01	<2.17E-01	<5.19E-01	<2.74E-01	<6.83E-01	<1.66E+00	2.93	<1.25E+00	<1.17E+00	<2.20E-01
T-505		<1.63E+00	<4.34E+00	<7.63E-01	<5.11E-01	<2.90E-01	<5.76E-01	<4.95E-01	<2.13E-01	<5.08E-01	<2.69E-01	<6.70E-01	<1.63E+00	<1.05E+00	<1.22E+00	<1.14E+00	<2.15E-01
T-506		<1.64E+00	<4.35E+00	<7.66E-01	<5.13E-01	<2.91E-01	<5.78E-01	<4.97E-01	<2.14E-01	<5.10E-01	<2.70E-01	<6.72E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-507		<1.64E+00	<4.35E+00	<7.66E-01	<5.13E-01	<2.91E-01	<5.78E-01	<4.97E-01	<2.14E-01	3.80	<2.70E-01	<6.72E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-508		<1.64E+00	<4.36E+00	<7.67E-01	<5.14E-01	<2.91E-01	<5.79E-01	<4.98E-01	9.36	<5.11E-01	1.89	<6.73E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-509		<1.64E+00	<4.36E+00	<7.67E-01	<5.14E-01	<2.91E-01	<5.79E-01	<4.98E-01	<2.14E-01	<5.11E-01	<2.70E-01	<6.73E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-510		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01
T-601		<1.69E+00	<4.48E+00	<7.89E-01	<5.29E-01	<3.00E-01	<5.96E-01	<5.12E-01	<2.20E-01	<5.26E-01	<2.78E-01	<6.93E-01	<1.69E+00	<1.09E+00	<1.27E+00	<1.18E+00	<2.23E-01
T-602		<1.68E+00	<4.48E+00	<7.88E-01	<5.28E-01	<2.99E-01	<5.95E-01	<5.11E-01	<2.20E-01	<5.25E-01	<2.77E-01	<6.91E-01	<1.68E+00	<1.09E+00	<1.26E+00	<1.18E+00	<2.22E-01
T-603		<1.68E+00	<4.47E+00	<7.86E-01	<5.27E-01	<2.99E-01	<5.94E-01	<5.10E-01	<2.19E-01	<5.24E-01	<2.77E-01	<6.90E-01	<1.68E+00	<1.09E+00	<1.26E+00	<1.18E+00	<2.22E-01
T-604		<1.68E+00	<4.48E+00	<7.88E-01	<5.28E-01	<2.99E-01	<5.95E-01	<5.11E-01	<2.20E-01	<5.25E-01	<2.77E-01	<6.91E-01	<1.68E+00	<1.09E+00	<1.26E+00	<1.18E+00	<2.22E-01
T-605		<1.61E+00	<4.27E+00	<7.52E-01	<5.04E-01	<2.86E-01	<5.68E-01	<4.88E-01	<2.10E-01	<5.01E-01	<2.65E-01	<6.60E-01	<1.61E+00	<1.04E+00	<1.21E+00	<1.13E+00	<2.12E-01
T-606		<1.64E+00	<4.36E+00	<7.67E-01	<5.14E-01	<2.91E-01	<5.79E-01	<4.98E-01	<2.14E-01	<5.11E-01	<2.70E-01	<6.73E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-607		<1.59E+00	<4.23E+00	<7.45E-01	<4.99E-01	2.56	<5.62E-01	<4.84E-01	<2.08E-01	<4.97E-01	<2.62E-01	<6.54E-01	<1.59E+00	<1.03E+00	<1.20E+00	<1.12E+00	<2.10E-01
T-608		<1.64E+00	<4.35E+00	<7.66E-01	<5.13E-01	11.70	<5.78E-01	<4.97E-01	<2.14E-01	<5.10E-01	<2.70E-01	<6.72E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-609		<1.64E+00	<4.35E+00	<7.66E-01	<5.13E-01	14.61	<5.78E-01	<4.97E-01	<2.14E-01	<5.10E-01	<2.70E-01	<6.72E-01	<1.64E+00	<1.06E+00	<1.23E+00	<1.15E+00	<2.16E-01
T-610		<1.65E+00	<4.39E+00	<7.73E-01	<5.18E-01	<2.94E-01	<5.84E-01	<5.02E-01	<2.16E-01	<5.15E-01	<2.72E-01	<6.78E-01	<1.65E+00	<1.07E+00	<1.24E+00	<1.16E+00	<2.18E-01

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	4-Ethyltoluene	Naphthalene	Octane	Chloromethane	Cyclohexane	Hexane	t-Butyl alcohol	Trichloroethene (TCE)	Carbon disulfide	Tetrachloroethene (PCE)	2-Hexanone	1,3,5-Trimethylbenzene	Styrene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Vinyl chloride
	CAS	622-96-8	91-20-3	111-65-9	74-87-3	110-82-7	110-54-3	75-65-0	79-01-6	75-15-0	127-18-4	591-78-6	108-67-8	100-42-5	75-71-8	76-14-2	75-01-4
	MW	120.2	128.2	114.2	50.5	84.2	86.2	74.1	131.4	76.1	165.8	100.2	120.2	104.2	120.9	170.9	62.5
Flux (mg/m2-mi																	
T-101		<1.46E-04	<3.87E-04	<6.82E-05	<4.57E-05	<2.59E-05	<5.15E-05	<4.43E-05	<1.90E-05	<4.54E-05	<2.40E-05	<5.98E-05	<1.46E-04	<9.43E-05	<1.09E-04	<1.02E-04	<1.92E-05
T-102		<9.17E-05	<2.44E-04	<4.29E-05	<2.87E-05	<1.63E-05	<3.24E-05	<2.78E-05	<1.20E-05	<2.86E-05	<1.51E-05	<3.76E-05	<9.17E-05	<5.93E-05	<6.88E-05	<6.42E-05	<1.21E-05
T-103		<1.24E-04	<3.31E-04	<5.82E-05	<3.90E-05	<2.21E-05	<4.40E-05	<3.78E-05	<1.62E-05	<3.88E-05	<2.05E-05	<5.11E-05	<1.24E-04	<8.05E-05	<9.34E-05	<8.72E-05	<1.64E-05
T-104		0.00023	<2.13E-04	0.00017	<2.51E-05	<1.42E-05	<2.83E-05	0.00046	<1.05E-05	<2.50E-05	<1.32E-05	<3.29E-05	0.00017	<5.18E-05	<6.01E-05	<5.61E-05	<1.06E-05
T-105		<6.93E-05	<1.84E-04	<3.24E-05	<2.17E-05	<1.23E-05	<2.45E-05	<2.10E-05	<9.04E-06	<2.16E-05	<1.14E-05	<2.84E-05	<6.93E-05	<4.48E-05	<5.20E-05	<4.85E-05	<9.14E-06
T-106		<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05	<5.73E-05	<5.34E-05	<1.01E-05
T-107		<1.01E-04	<2.68E-04	<4.71E-05	<3.16E-05	<1.79E-05	<3.56E-05	<3.06E-05	<1.31E-05	<3.14E-05	<1.66E-05	<4.13E-05	<1.01E-04	<6.51E-05	<7.56E-05	<7.05E-05	<1.33E-05
T-108		<2.42E-04	<6.43E-04	<1.13E-04	<7.58E-05	<4.30E-05	<8.54E-05	<7.34E-05	<3.16E-05	<7.54E-05	<3.98E-05	<9.93E-05	<2.42E-04	<1.56E-04	<1.82E-04	<1.69E-04	<3.19E-05
T-109		<7.53E-05	<2.00E-04	<3.53E-05	<2.36E-05	<1.34E-05	<2.66E-05	<2.29E-05	<9.83E-06	<2.35E-05	<1.24E-05	<3.09E-05	<7.53E-05	<4.87E-05	<5.65E-05	<5.28E-05	<9.94E-06
T-110		<6.79E-05	<1.81E-04	<3.18E-05	<2.13E-05	<1.21E-05	<2.40E-05	<2.06E-05	<8.87E-06	<2.12E-05	<1.12E-05	<2.79E-05	<6.79E-05	<4.40E-05	<5.10E-05	<4.76E-05	<8.96E-06
T-111		<4.55E-04	<1.21E-03	<2.13E-04	<1.43E-04	<8.10E-05	<1.61E-04	<1.38E-04	<5.95E-05	<1.42E-04	<7.50E-05	<1.87E-04	<4.55E-04	<2.95E-04	<3.42E-04	<3.19E-04	<6.01E-05
T-112		<8.70E-05	<2.31E-04	<4.07E-05	<2.73E-05	<1.55E-05	<3.07E-05	<2.64E-05	<1.14E-05	<2.71E-05	<1.43E-05	<3.57E-05	<8.70E-05	<5.63E-05	<6.53E-05	<6.09E-05	<1.15E-05
T-113		<7.63E-05	<2.03E-04	<3.57E-05	<2.39E-05	<1.36E-05	<2.69E-05	<2.32E-05	<9.96E-06	<2.38E-05	<1.26E-05	<3.13E-05	<7.63E-05	<4.93E-05	<5.73E-05	<5.34E-05	<1.01E-05
T-114		<6.91E-05	<1.84E-04	<3.23E-05	<2.17E-05	<1.23E-05	<2.44E-05	<2.10E-05	<9.02E-06	<2.15E-05	<1.14E-05	<2.84E-05	<6.91E-05	<4.47E-05	<5.19E-05	<4.84E-05	<9.11E-06
T-201		<7.81E-05	<2.08E-04	<3.66E-05	<2.45E-05	<1.39E-05	<2.76E-05	<2.37E-05	<1.02E-05	<2.44E-05	<1.29E-05	<3.21E-05	<7.81E-05	<5.06E-05	<5.87E-05	<5.47E-05	<1.03E-05
T-202		<8.58E-05	<2.28E-04	<4.01E-05	<2.69E-05	<1.52E-05	<3.03E-05	<2.60E-05	<1.12E-05	<2.68E-05	<1.41E-05	<3.52E-05	<8.58E-05	<5.55E-05	<6.44E-05	<6.01E-05	<1.13E-05
T-203		<6.58E-05	<1.75E-04	<3.08E-05	<2.06E-05	<1.17E-05	<2.32E-05	<2.00E-05	<8.59E-06	<2.05E-05	<1.08E-05	<2.70E-05	<6.58E-05	<4.26E-05	<4.94E-05	<4.61E-05	<8.68E-06
T-204		<9.01E-05	<2.39E-04	<4.21E-05	<2.82E-05	<1.60E-05	<3.18E-05	<2.73E-05	<1.18E-05	<2.81E-05	<1.48E-05	<3.70E-05	<9.01E-05	<5.83E-05	<6.76E-05	<6.31E-05	<1.19E-05
T-205		<7.07E-05	<1.88E-04	<3.31E-05	<2.22E-05	<1.26E-05	<2.50E-05	<2.15E-05	<9.22E-06	<2.20E-05	<1.16E-05	<2.90E-05	<7.07E-05	<4.57E-05	<5.30E-05	<4.95E-05	<9.32E-06
T-206		<1.09E-04	<2.90E-04	<5.10E-05	<3.42E-05	<1.94E-05	<3.85E-05	<3.31E-05	<1.42E-05	<3.40E-05	<1.79E-05	<4.47E-05	<1.09E-04	<7.05E-05	<8.18E-05	<7.63E-05	<1.44E-05
T-207		<7.10E-05	<1.89E-04	<3.32E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.27E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.10E-05	<4.60E-05	<5.33E-05	<4.97E-05	<9.37E-06
T-208		<7.21E-05	<1.92E-04	<3.37E-05	<2.26E-05	<1.28E-05	<2.54E-05	<2.19E-05	<9.40E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.21E-05	<4.66E-05	<5.41E-05	<5.05E-05	<9.51E-06
T-209		<6.83E-05	<1.82E-04	<3.20E-05	<2.14E-05	<1.21E-05	<2.41E-05	<2.07E-05	<8.91E-06	<2.13E-05	<1.12E-05	<2.80E-05	<6.83E-05	<4.42E-05	<5.13E-05	<4.78E-05	<9.01E-06
T-210		<7.59E-05	<2.02E-04	<3.55E-05	<2.38E-05	<1.35E-05	<2.68E-05	<2.30E-05	<9.91E-06	<2.37E-05	<1.25E-05	<3.12E-05	<7.59E-05	<4.91E-05	<5.70E-05	<5.32E-05	<1.00E-05
T-211		<7.11E-05	<1.89E-04	<3.33E-05	<2.23E-05	<1.26E-05	<2.51E-05	<2.16E-05	<9.28E-06	<2.22E-05	<1.17E-05	<2.92E-05	<7.11E-05	<4.60E-05	<5.33E-05	<4.98E-05	<9.38E-06
T-212		<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05	<4.92E-05	<4.59E-05	<8.64E-06
T-213		<7.36E-05	<1.96E-04	<3.44E-05	<2.31E-05	<1.31E-05	<2.60E-05	<2.23E-05	<9.60E-06	<2.29E-05	<1.21E-05	<3.02E-05	<7.36E-05	<4.76E-05	<5.52E-05	<5.15E-05	<9.70E-06
T-214		<7.57E-05	<2.01E-04	<3.54E-05	<2.37E-05	<1.34E-05	<2.67E-05	<2.30E-05	<9.88E-06	<2.36E-05	<1.25E-05	<3.11E-05	<7.57E-05	<4.89E-05	<5.68E-05	<5.30E-05	<9.98E-06
T-301		<1.20E-04	<3.19E-04	<5.61E-05	<3.76E-05	<2.13E-05	<4.24E-05	<3.64E-05	<1.57E-05	<3.74E-05	0.00045	<4.93E-05	<1.20E-04	<7.76E-05	<9.00E-05	<8.40E-05	<1.58E-05
T-302		<6.63E-05	<1.76E-04	<3.10E-05	<2.08E-05	0.00033	<2.34E-05	<2.01E-05	<8.66E-06	<2.07E-05	<1.09E-05	<2.72E-05	<6.63E-05	<4.29E-05	<4.98E-05	<4.65E-05	<8.75E-06
T-303		<7.17E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.27E-05	<2.53E-05	<2.18E-05	<9.36E-06	<2.24E-05	<1.18E-05	<2.94E-05	<7.17E-05	<4.64E-05	<5.38E-05	<5.02E-05	<9.46E-06
T-304		<8.21E-05	<2.18E-04	<3.84E-05	<2.57E-05	<1.46E-05	<2.90E-05	<2.49E-05	<1.07E-05	<2.56E-05	<1.35E-05	<3.37E-05	<8.21E-05	<5.31E-05	<6.16E-05	<5.75E-05	<1.08E-05
T-305		<1.26E-04	<3.34E-04	<5.89E-05	<3.94E-05	<2.24E-05	<4.44E-05	<3.82E-05	<1.64E-05	<3.92E-05	<2.07E-05	0.00034	<1.26E-04	<8.14E-05	<9.44E-05	<8.81E-05	<1.66E-05
T-306		<2.68E-04	0.00318	0.00110	<8.41E-05	<4.77E-05	<9.47E-05	<8.14E-05	<3.50E-05	<8.36E-05	<4.42E-05	<1.10E-04	<2.68E-04	<1.73E-04	<2.01E-04	<1.88E-04	<3.54E-05
T-307		<9.57E-05	0.00102	<4.48E-05	<3.00E-05	0.00070	<3.38E-05	<2.90E-05	<1.25E-05	<2.98E-05	<1.58E-05	<3.93E-05	<9.57E-05	<6.19E-05	<7.18E-05	<6.70E-05	<1.26E-05
T-308		<1.00E-04	<2.67E-04	<4.69E-05	<3.14E-05	<1.78E-05	<3.54E-05	<3.04E-05	<1.31E-05	<3.13E-05	<1.65E-05	<4.12E-05	<1.00E-04	<6.49E-05	<7.53E-05	<7.02E-05	<1.32E-05
T-309		<6.76E-05	<1.80E-04	<3.16E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.05E-05	<8.82E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.76E-05	<4.37E-05	<5.07E-05	<4.73E-05	<8.92E-06
T-310		<8.39E-05	<2.23E-04	<3.93E-05	0.00153	<1.49E-05	<2.96E-05	<2.55E-05	<1.09E-05	<2.62E-05	<1.38E-05	<3.44E-05	<8.39E-05	<5.43E-05	<6.30E-05	<5.87E-05	<1.11E-05
T-311		<9.74E-05	<2.59E-04	<4.56E-05	<3.05E-05	<1.73E-05	<3.44E-05	<2.96E-05	<1.27E-05	<3.04E-05	<1.60E-05	<4.00E-05	<9.74E-05	<6.30E-05	<7.31E-05	<6.82E-05	<1.29E-05
T-312		0.00382	<1.20E-03	0.00320	<1.42E-04	<7.90E-05	<1.62E-04	<1.39E-04	<6.16E-05	<1.43E-04	<7.78E-05	<1.88E-04	<4.51E-04	<2.93E-04	<3.40E-04	<3.21E-04	<5.92E-05
T-313		<6.01E-05	<1.60E-04	<2.81E-05	<1.88E-05	<1.07E-05	<2.12E-05	<1.82E-05	<7.84E-06	<1.87E-05	<9.90E-06	<2.47E-05	<6.01E-05	<3.89E-05	<4.51E-05	<4.21E-05	<7.93E-06
T-314		<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.83E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05	<5.08E-05	<4.74E-05	<8.93E-06
T-401		<1.10E-04	<2.92E-04	<5.15E-05	<3.45E-05	<1.96E-05	<3.89E-05	<3.34E-05	<1.44E-05	<3.43E-05	<1.81E-05	<4.52E-05	<1.10E-04	<7.12E-05	<8.26E-05	<7.70E-05	<1.45E-05
T-402		<9.44E-05	<2.51E-04	<4.42E-05	<2.96E-05	<1.68E-05	<3.34E-05	<2.87E-05	<1.23E-05	<2.94E-05	<1.56E-05	<3.88E-05	<9.44E-05	<6.11E-05	<7.09E-05	<6.61E-05	<1.25E-05
T-403		<6.77E-05	<1.80E-04	<3.17E-05	<2.12E-05	<1.20E-05	<2.39E-05	<2.06E-05	<8.84E-06	<2.11E-05	<1.11E-05	<2.78E-05	<6.77E-05	<4.38E-05	<5.08E-05	<4.74E-05	<8.93E-06
T-404		<1.40E-04	<3.73E-04	<6.56E-05	<4.39E-05	<2.49E-05	0.00260	<4.26E-05	<1.83E-05	<4.37E-05	<2.31E-05	<5.75E-05	<1.40E-04	<9.07E-05	<1.05E-04	<9.81E-05	<1.85E-05
T-405		<7.14E-05	<1.90E-04	<3.34E-05	<2.24E-05	<1.27E-05	<2.52E-05	<2.17E-05	<9.33E-06	<2.23E-05	<1.18E-05	<2.93E-05	<7.14E-05	<4.62E-05	<5.36E-05	<5.00E-05	<9.43E-06
T-406		<8.93E-05	<2.37E-04	<4.18E-05	<2.80E-05	<1.59E-05	<3.15E-05	<2.71E-05	<1.17E-05	<2.78E-05	<1.47E-05	<3.67E-05	<8.93E-05	<5.78E-05	<6.70E-05	<6.25E-05	<1.18E-05
T-407		<6.55E-05	<1.74E-04	<3.07E-05	<2.05E-05	<1.16E-05	<2.31E-05	<1.99E-05	<8.55E-06	<2.04E-05	<1.08E-05	<2.69E-05	<6.55E-05	<4.24E-05	<4.92E-05	<4.59E-05	<8.64E-06
T-408		<7.64E-05	<2.03E-04	<3.58E-05	<2.40E-05	<1.36E-05	<2.70E-05	<2.32E-05	<9.98E-06	<2.38E-05	<1.26E-05	<3.14E-05	<7.64E-05	<4.95E-05	<5.74E-05	<5.35E-05	<1.01E-05
T-409		<7.46E-05	<1.98E-04	<3.49E-05	<2.34E-05	<1.33E-05	<2.63E-05	<2.26E-05	<9.73E-06	<2.33E-05	<1.23E-05	<3.06E-05	<7.46E-05	<4.82E-05	<5.60E-05	<5.22E-05	<9.84E-06
T-410		<6.46E-05	<1.72E-04	<3.02E-05	<2.02E-05	<1.15E-05	<2.28E-05	<1.96E-05	<8.43E-06	<2.01E-05	<1.06E-05	<2.65E-05	<6.46E-05	<4.18E-05	<4.85E-05	<4.52E-05	<8.52E-06
T-501		<7.28E-05	0.00110	<3.41E-05	<2.28E-05	<1.29E-05	<2.57E-05	<2.21E-05	<9.51E-06	<2.27E-05	<1.20E-05	<2.99E-05	<7.28E-05	<4.71E-05	<5.47E-05	<5.10E-05	<9.61E-06
T-502		<7.73E-05	0.00050	<3.62E-05	<2.42E-05	<1.37E-05	<2.73E-05	<2.35E-05	<1.01E-05	<2.41E-05	<1.27E-05	<3.17E-05	<7.73E-05	<5.00E-05	<5.80E-05	<5.41E-05	<1.02E-05
T-503		<7.18E-05	0.00081	<3.36E-05	<2.25E-05	<1.28E-05	<2.54E-05	<2.18E-05	<9.38E-06	<2.24E-05	<1.18E-05	<2.95E-05	<7.18E-05	<4.65E-05	<5.39E-05	<5.03E-05	<9.48E-06
T-504		<8.04E-05	<2.14E-04	<3.76E-05	<2.52E-05	<1.43E-05	<2.84E-05	<2.44E-05	<1.05E-05	<2.51E-05	<1.32E-05	<3.30E-05	<8.04E-05	0.00014	<6.04E-05	<5.63E-05	<1.06E-05
T-505		<7.91E-05	<2.10E-04	<3.70E-05	<2.48E-05	<1.41E-05	<2.79E-05	<2.40E-05	<1.03E-05	<2.47E-05	<1.30E-05	<3.25E-05	<7.91E-05	<5.11E-05	<5.93E-05	<5.54E-05	<1.04E-05
T-506		<7.42E-05	<1.97E-04	<3.47E-05	<2.33E-05	<1.32E-05	<2.62E-05	<2.25E-05	<9.69E-06	<2.31E-05	<1.22E-05	<3.05E-05	<7.42E-05	<4.80E-05	<5.57E-05	<5.20E-05	<9.79E-06
T-507		<8.29E-05	<2.20E-04	<3.88E-05	<2.60E-05	<1.47E-05	<2.93E-05	<2.52E-05	<1.08E-05	0.00019	<1.36E-05	<3.40E-05	<8.29E-05	<5.36E-05	<6.22E-05	<5.80E-05	<1.09E-05
T-508		<9.87E-05	<2.62E-04	<4.62E-05	<3.09E-05	<1.75E-05	<3.49E-05	<3.00E-05	0.00056	<3.08E-05	0.00011	<4.05E-05	<9.87E-05	<6.38E-05	<7.41E-05	<6.91E-05	<1.30E-05
T-509		<7.01E-05	<1.86E-04	<3.28E-05	<2.20E-05	<1.25E-05	<2.48E-05	<2.13E-05	<9.15E-06	<2.19E-05	<1.15E-05	<2.88E-05	<7.01E-05	<4.53E-05	<5.26E-05	<4.91E-05	<9.25E-06
T-510		<7.18E-05	<1.91E-04	<3.36E-05	<2.25E-05	<1.28E-05	<2.54E-05	<2.18E-05	<9.38E-06	<2.24E-05	<1.18E-05	<2.95E-05	<7.18E-05	<4.65E-05	<5.39E-05	<5.03E-05	<9.48E-06
T-601		<8.47E-05	<2.25E-04	<3.97E-05	<2.66E-05	<1.51E-05	<2.99E-05	<2.57E-05	<1.11E-05	<2.64E-05	<1.40E-05	<3.48E-05	<8.47E-05	<5.48E-05	<6.36E-05	<5.93E-05	<1.12E-05
T-602		<7.91E-05	<2.10E-04	<3.70E-05	<2.48E-05	<1.41E-05	<2.79E-05	<2.40E-05	<1.03E-05	<2.47E-05	<1.30E-05	<3.25E-05	<7.91E-05	<5.12E-05	<5.93E-05	<5.54E-05	<1.04E-05
T-603		<9.85E-05	<2.62E-04	<4.61E-05	<3.09E-05	<1.75E-05	<3.48E-05	<2.99E-05	<1.29E-05	<3.07E-05	<1.62E-05	<4.05E-05	<9.85E-05	<6.38E-05	<7.40E-05	<6.90E-05	<1.30E-05
T-604		<7.22E-05	<1.92E-04	<3.38E-05	<2.26E-05	<1.28E-05	<2.55E-05	<2.19E-05	<9.43E-06	<2.25E-05	<1.19E-05	<2.97E-05	<7.22E-05	<4.67E-05	<5.42E-05	<5.06E-05	<9.53E-06
T-605		<1.46E-04	<3.88E-04	<6.84E-05	<4.58E-05	<2.60E-05	<5.16E-05	<4.44E-05	<1.91E-05	<4.56E-05	<2.41E-05	<6.00E-05	<1.46E-04	<9.45E-05	<1.10E-04	<1.02E-04	<1.93E-05
T-606		<7.75E-05	<2.06E-04	<3.63E-05	<2.43E-05	<1.38E-05	<2.74E-05	<2.35E-05	<1.01E-05	<2.42E-05	<1.28E-05	<3.18E-05	<7.75E-05	<5.01E-05	<5.82E-05	<5.43E-05	<1.02E-05
T-607		<1.34E-04	<3.57E-04	<6.29E-05	<4.21E-05	0.00022	<4.75E-05	<4.08E-05	<1.75E-05	<4.19E-05	<2.21E-05	<5.52E-05	<1.34E-04	<8.70E-05	<1.01E-04	<9.41E-05	<1.77E-05
T-608		<1.69E-04	<4.49E-04	<7.89E-05	<5.29E-05	0.00121	<5.96E-05	<5.12E-05	<2.20E-05	<5.26E-05	<2.78E-05	<6.93E-05	<1.69E-04	<1.09E-04	<1.27E-04	<1.18E-04	<2.23E-05
T-609		<1.55E-04	<4.12E-04	<7.26E-05	<4.86E-05	0.00138	<5.48E-05	<4.71E-05	<2.02E-05	<4.84E-05	<2.55E-05	<6.37E-05	<1.55E-04	<1.00E-04	<1.16E-04	<1.09E-04	<2.05E-05
T-610		<7.22E-05	<1.92E-04	<3.38E-05	<2.26E-05	<1.28E-05	<2.55E-05	<2.19E-05	<9.42E-06	<2.25E-05	<1.19E-05	<2.96E-05	<7.22E-05	<4.67E-05	<5.42E-05	<5.05E-05	<9.52E-06

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane
	CAS	106-99-0	74-83-9	75-00-3	75-69-4	67-63-0	4227-95-6	75-35-4	107-13-1	76-13-1	107-05-1	75-09-2	156-60-5	1634-04-4	107-12-0	75-34-3
	MW	54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99
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	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
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	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	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
T-109		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
T-111		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
T-113		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
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	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	ND	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	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
T-211		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
T-213		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
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	ND	ND
T-303		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
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	ND
T-307		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
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	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
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	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	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
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-602		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-603		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-605		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-607		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-608		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-609		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane
	CAS	106-99-0	74-83-9	75-00-3	75-69-4	67-63-0	4227-95-6	75-35-4	107-13-1	76-13-1	107-05-1	75-09-2	156-60-5	1634-04-4	107-12-0	75-34-3
	MW	54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99
MDL (ppbv)																
T-101		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-102		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-103		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-104		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-105		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-106		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-107		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-108		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-109		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-110		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-111		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-112		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-113		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-114		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-201		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-202		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-203		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-204		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-205		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-206		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-207		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-208		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-209		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-210		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-211		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-212		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-213		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-214		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-301		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-302		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-303		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-304		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-305		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-306		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-307		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-308		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-309		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-310		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-311		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-312		1.01	2	2	2	4	2	1	4	1	1	1	1	2	5	1
T-313		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-314		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-401		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-402		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-403		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-404		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-405		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-406		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-407		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-408		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-409		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-410		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-501		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-502		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-503		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-504		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-505		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-506		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-507		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-508		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-509		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-510		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-601		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-602		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-603		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-604		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-605		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-606		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-607		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-608		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-609		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17
T-610		0.17	0.33	0.33	0.33	0.67	0.33	0.17	0.67	0.17	0.17	0.17	0.17	0.33	0.83	0.17

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane
	CAS	106-99-0	74-83-9	75-00-3	75-69-4	67-63-0	4227-95-6	75-35-4	107-13-1	76-13-1	107-05-1	75-09-2	156-60-5	1634-04-4	107-12-0	75-34-3
	MW	54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99
Data Used (ug/l)																
T-101		<1.86E-01	<6.32E-01	<4.29E-01	<9.15E-01	<8.12E-01	<9.51E-01	<3.32E-01	<7.18E-01	<6.43E-01	<2.62E-01	<2.91E-01	<3.32E-01	<5.87E-01	<9.23E-01	<3.40E-01
T-102		<1.86E-01	<6.34E-01	<4.31E-01	<9.18E-01	<8.15E-01	<9.55E-01	<3.34E-01	<7.20E-01	<6.45E-01	<2.63E-01	<2.92E-01	<3.34E-01	<5.89E-01	<9.26E-01	<3.41E-01
T-103		<1.88E-01	<6.40E-01	<4.35E-01	<9.27E-01	<8.23E-01	<9.64E-01	<3.37E-01	<7.27E-01	<6.51E-01	<2.66E-01	<2.95E-01	<3.37E-01	<5.94E-01	<9.35E-01	<3.44E-01
T-104		<1.93E-01	<6.56E-01	<4.46E-01	<9.50E-01	<8.43E-01	<9.88E-01	<3.45E-01	<7.45E-01	<6.67E-01	<2.72E-01	<3.02E-01	<3.45E-01	<6.09E-01	<9.58E-01	<3.52E-01
T-105		<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01
T-106		<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01
T-107		<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01
T-108		<1.79E-01	<6.09E-01	<4.14E-01	<8.82E-01	<7.84E-01	<9.18E-01	<3.21E-01	<6.92E-01	<6.20E-01	<2.53E-01	<2.81E-01	<3.21E-01	<5.66E-01	<8.90E-01	<3.27E-01
T-109		<1.78E-01	<6.05E-01	<4.11E-01	<8.76E-01	<7.78E-01	<9.11E-01	<3.18E-01	<6.87E-01	<6.16E-01	<2.51E-01	<2.79E-01	<3.18E-01	<5.62E-01	<8.84E-01	<3.25E-01
T-110		<1.82E-01	<6.20E-01	<4.22E-01	<8.98E-01	<7.98E-01	<9.34E-01	<3.26E-01	<7.05E-01	<6.31E-01	<2.58E-01	<2.86E-01	<3.26E-01	<5.76E-01	<9.06E-01	<3.33E-01
T-111		<1.76E-01	<6.00E-01	<4.08E-01	<8.68E-01	<7.71E-01	<9.03E-01	<3.15E-01	<6.81E-01	<6.10E-01	<2.49E-01	<2.76E-01	<3.15E-01	<5.57E-01	<8.76E-01	<3.22E-01
T-112		<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01
T-113		<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01
T-114		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-201		<1.91E-01	<6.50E-01	<4.42E-01	<9.41E-01	<8.35E-01	<9.78E-01	<3.42E-01	<7.38E-01	<6.61E-01	<2.70E-01	<2.99E-01	<3.42E-01	<6.03E-01	<9.49E-01	<3.49E-01
T-202		<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01
T-203		<1.92E-01	<6.53E-01	<4.44E-01	<9.46E-01	<8.40E-01	<9.84E-01	<3.44E-01	<7.42E-01	<6.65E-01	<2.71E-01	<3.01E-01	<3.44E-01	<6.07E-01	<9.54E-01	<3.51E-01
T-204		<1.93E-01	<6.57E-01	<4.47E-01	<9.51E-01	<8.45E-01	<9.90E-01	<3.46E-01	<7.47E-01	<6.69E-01	<2.73E-01	<3.03E-01	<3.46E-01	<6.10E-01	<9.60E-01	<3.53E-01
T-205		<1.87E-01	<6.35E-01	<4.32E-01	<9.20E-01	<8.17E-01	<9.57E-01	<3.34E-01	<7.22E-01	<6.46E-01	<2.64E-01	<2.93E-01	<3.34E-01	<5.90E-01	<9.28E-01	<3.41E-01
T-206		<1.85E-01	<6.29E-01	<4.28E-01	<9.11E-01	<8.09E-01	<9.48E-01	<3.31E-01	<7.15E-01	<6.40E-01	<2.61E-01	<2.90E-01	<3.31E-01	<5.84E-01	<9.19E-01	<3.38E-01
T-207		<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01
T-208		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-209		<1.84E-01	<6.25E-01	<4.25E-01	<9.05E-01	<8.03E-01	<9.41E-01	<3.29E-01	<7.10E-01	<6.36E-01	<2.59E-01	<2.88E-01	<3.29E-01	<5.80E-01	<9.13E-01	<3.36E-01
T-210		<1.83E-01	<6.23E-01	<4.23E-01	<9.01E-01	<8.01E-01	<9.38E-01	<3.28E-01	<7.07E-01	<6.33E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.78E-01	<9.09E-01	<3.35E-01
T-211		<1.83E-01	<6.24E-01	<4.24E-01	<9.03E-01	<8.02E-01	<9.39E-01	<3.28E-01	<7.09E-01	<6.35E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.79E-01	<9.11E-01	<3.35E-01
T-212		<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01
T-213		<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01
T-214		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-301		<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01
T-302		<1.94E-01	<6.61E-01	<4.49E-01	<9.57E-01	<8.50E-01	<9.95E-01	<3.48E-01	<7.51E-01	<6.72E-01	<2.74E-01	<3.05E-01	<3.48E-01	<6.14E-01	<9.65E-01	<3.55E-01
T-303		<1.90E-01	<6.47E-01	<4.40E-01	<9.37E-01	<8.32E-01	<9.75E-01	<3.40E-01	<7.35E-01	<6.58E-01	<2.69E-01	<2.98E-01	<3.40E-01	<6.01E-01	<9.45E-01	<3.48E-01
T-304		<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01
T-305		<1.75E-01	<5.97E-01	<4.06E-01	<8.64E-01	<7.67E-01	<8.98E-01	<3.14E-01	<6.78E-01	<6.07E-01	<2.48E-01	<2.75E-01	<3.14E-01	<5.54E-01	<8.71E-01	<3.21E-01
T-306		<1.78E-01	<6.06E-01	<4.12E-01	<8.78E-01	<7.79E-01	<9.13E-01	<3.19E-01	<6.89E-01	<6.17E-01	<2.52E-01	<2.79E-01	<3.19E-01	<5.63E-01	<8.85E-01	<3.26E-01
T-307		<1.77E-01	<6.04E-01	<4.11E-01	<8.75E-01	<7.77E-01	<9.10E-01	<3.18E-01	<6.86E-01	<6.14E-01	<2.51E-01	<2.78E-01	<3.18E-01	<5.61E-01	<8.82E-01	<3.25E-01
T-308		<1.80E-01	<6.13E-01	<4.16E-01	<8.87E-01	<7.88E-01	<9.22E-01	<3.22E-01	<6.96E-01	<6.23E-01	<2.54E-01	<2.82E-01	<3.22E-01	<5.69E-01	<8.95E-01	<3.29E-01
T-309		<1.75E-01	<5.96E-01	<4.05E-01	<8.62E-01	<7.66E-01	<8.97E-01	<3.13E-01	<6.77E-01	<6.06E-01	<2.47E-01	<2.75E-01	<3.13E-01	<5.53E-01	<8.70E-01	<3.20E-01
T-310		<1.68E-01	<5.71E-01	<3.88E-01	<8.27E-01	<7.34E-01	<8.60E-01	<3.00E-01	<6.49E-01	<5.81E-01	<2.37E-01	<2.63E-01	<3.00E-01	<5.30E-01	<8.34E-01	<3.07E-01
T-311		<1.73E-01	<5.87E-01	<3.99E-01	<8.51E-01	<7.55E-01	<8.85E-01	<3.09E-01	<6.67E-01	<5.98E-01	<2.44E-01	<2.71E-01	<3.09E-01	<5.45E-01	<8.58E-01	<3.16E-01
T-312		<1.03E+00	<3.59E+00	<2.44E+00	<5.20E+00	<4.55E+00	<5.41E+00	<1.83E+00	<4.02E+00	<3.55E+00	<1.45E+00	<1.61E+00	<1.83E+00	<3.33E+00	<5.21E+00	<1.87E+00
T-313		<1.74E-01	<5.93E-01	<4.03E-01	<8.58E-01	<7.62E-01	<8.92E-01	<3.12E-01	<6.73E-01	<6.03E-01	<2.46E-01	<2.73E-01	<3.12E-01	<5.50E-01	<8.65E-01	<3.18E-01
T-314		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-401		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-402		<1.90E-01	<6.47E-01	<4.40E-01	<9.37E-01	<8.32E-01	<9.75E-01	<3.40E-01	<7.35E-01	<6.58E-01	<2.69E-01	<2.98E-01	<3.40E-01	<6.01E-01	<9.45E-01	<3.48E-01
T-403		<1.89E-01	<6.44E-01	<4.37E-01	<9.32E-01	<8.28E-01	<9.69E-01	<3.39E-01	<7.31E-01	<6.55E-01	<2.67E-01	<2.97E-01	<3.39E-01	<5.98E-01	<9.40E-01	<3.46E-01
T-404		<1.88E-01	<6.40E-01	<4.35E-01	<9.27E-01	<8.23E-01	<9.64E-01	<3.37E-01	<7.27E-01	<6.51E-01	<2.66E-01	<2.95E-01	<3.37E-01	<5.94E-01	<9.35E-01	<3.44E-01
T-405		<1.83E-01	<6.23E-01	<4.23E-01	<9.01E-01	<8.01E-01	<9.38E-01	<3.28E-01	<7.07E-01	<6.33E-01	<2.59E-01	<2.87E-01	<3.28E-01	<5.78E-01	<9.09E-01	<3.35E-01
T-406		<1.84E-01	<6.27E-01	<4.26E-01	<9.08E-01	<8.06E-01	<9.44E-01	<3.30E-01	<7.12E-01	<6.38E-01	<2.60E-01	<2.89E-01	<3.30E-01	<5.82E-01	<9.16E-01	<3.37E-01
T-407		<1.86E-01	<6.32E-01	<4.29E-01	<9.15E-01	<8.12E-01	<9.51E-01	<3.32E-01	<7.18E-01	<6.43E-01	<2.62E-01	<2.91E-01	<3.32E-01	<5.87E-01	<9.23E-01	<3.40E-01
T-408		<1.87E-01	<6.35E-01	<4.32E-01	<9.20E-01	<8.17E-01	<9.57E-01	<3.34E-01	<7.22E-01	<6.46E-01	<2.64E-01	<2.93E-01	<3.34E-01	<5.90E-01	<9.28E-01	<3.41E-01
T-409		<1.87E-01	<6.35E-01	<4.32E-01	<9.20E-01	<8.17E-01	<9.57E-01	<3.34E-01	<7.22E-01	<6.46E-01	<2.64E-01	<2.93E-01	<3.34E-01	<5.90E-01	<9.28E-01	<3.41E-01
T-410		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-501		<1.90E-01	<6.48E-01	<4.41E-01	<9.39E-01	<8.34E-01	<9.76E-01	<3.41E-01	<7.37E-01	<6.60E-01	<2.69E-01	<2.99E-01	<3.41E-01	<6.02E-01	<9.47E-01	<3.49E-01
T-502		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-503		<1.89E-01	<6.45E-01	<4.38E-01	<9.34E-01	<8.29E-01	<9.71E-01	<3.39E-01	<7.33E-01	<6.56E-01	<2.68E-01	<2.97E-01	<3.39E-01	<5.99E-01	<9.42E-01	<3.47E-01
T-504		<1.90E-01	<6.47E-01	<4.40E-01	<9.37E-01	<8.32E-01	<9.75E-01	<3.40E-01	<7.35E-01	<6.58E-01	<2.69E-01	<2.98E-01	<3.40E-01	<6.01E-01	<9.45E-01	<3.48E-01
T-505		<1.86E-01	<6.34E-01	<4.31E-01	<9.18E-01	<8.15E-01	<9.55E-01	<3.34E-01	<7.20E-01	<6.45E-01	<2.63E-01	<2.92E-01	<3.34E-01	<5.89E-01	<9.26E-01	<3.41E-01
T-506		<1.87E-01	<6.36E-01	<4.33E-01	<9.22E-01	<8.18E-01	<9.58E-01	<3.35E-01	<7.23E-01	<6.47E-01	<2.64E-01	<2.93E-01	<3.35E-01	<5.91E-01	<9.29E-01	<3.42E-01
T-507		<1.87E-01	<6.36E-01	<4.33E-01	<9.22E-01	<8.18E-01	<9.58E-01	<3.35E-01	<7.23E-01	<6.47E-01	<2.64E-01	<2.93E-01	<3.35E-01	<5.91E-01	<9.29E-01	<3.42E-01
T-508		<1.87E-01	<6.38E-01	<4.33E-01	<9.23E-01	<8.20E-01	<9.60E-01	<3.35E-01	<7.24E-01	<6.49E-01	<2.65E-01	<2.94E-01	<3.35E-01	<5.92E-01	<9.31E-01	<3.43E-01
T-509		<1.87E-01	<6.38E-01	<4.33E-01	<9.23E-01	<8.20E-01	<9.60E-01	<3.35E-01	<7.24E-01	<6.49E-01	<2.65E-01	<2.94E-01	<3.35E-01	<5.92E-01	<9.31E-01	<3.43E-01
T-510		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01
T-601		<1.93E-01	<6.56E-01	<4.46E-01	<9.50E-01	<8.43E-01	<9.88E-01	<3.45E-01	<7.45E-01	<6.67E-01	<2.72E-01	<3.02E-01	<3.45E-01	<6.09E-01	<9.58E-01	<3.52E-01
T-602		<1.92E-01	<6.55E-01	<4.45E-01	<9.48E-01	<8.42E-01	<9.86E-01	<3.44E-01	<7.44E-01	<6.66E-01	<2.72E-01	<3.02E-01	<3.44E-01	<6.08E-01	<9.56E-01	<3.52E-01
T-603		<1.92E-01	<6.53E-01	<4.44E-01	<9.46E-01	<8.40E-01	<9.84E-01	<3.44E-01	<7.42E-01	<6.65E-01	<2.71E-01	<3.01E-01	<3.44E-01	<6.07E-01	<9.54E-01	<3.51E-01
T-604		<1.92E-01	<6.55E-01	<4.45E-01	<9.48E-01	<8.42E-01	<9.86E-01	<3.44E-01	<7.44E-01	<6.66E-01	<2.72E-01	<3.02E-01	<3.44E-01	<6.08E-01	<9.56E-01	<3.52E-01
T-605		<1.84E-01	<6.25E-01	<4.25E-01	<9.05E-01	<8.03E-01	<9.41E-01	<3.29E-01	<7.10E-01	<6.36E-01	<2.59E-01	<2.88E-01	<3.29E-01	<5.80E-01	<9.13E-01	<3.36E-01
T-606		<1.87E-01	<6.38E-01	<4.33E-01	<9.23E-01	<8.20E-01	<9.60E-01	<3.35E-01	<7.24E-01	<6.49E-01	<2.65E-01	<2.94E-01	<3.35E-01	<5.92E-01	<9.31E-01	<3.43E-01
T-607		<1.82E-01	<6.19E-01	<4.21E-01	<8.97E-01	<7.96E-01	<9.32E-01	<3.26E-01	<7.03E-01	<6.30E-01	<2.57E-01	<2.85E-01	<3.26E-01	<5.75E-01	<9.04E-01	<3.33E-01
T-608		<1.87E-01	<6.36E-01	<4.33E-01	<9.22E-01	<8.18E-01	<9.58E-01	<3.35E-01	<7.23E-01	<6.47E-01	<2.64E-01	<2.93E-01	<3.35E-01	<5.91E-01	<9.29E-01	<3.42E-01
T-609		<1.87E-01	<6.36E-01	<4.33E-01	<9.22E-01	<8.18E-01	<9.58E-01	<3.35E-01	<7.23E-01	<6.47E-01	<2.64E-01	<2.93E-01	<3.35E-01	<5.91E-01	<9.29E-01	<3.42E-01
T-610		<1.89E-01	<6.42E-01	<4.37E-01	<9.30E-01	<8.26E-01	<9.67E-01	<3.38E-01	<7.30E-01	<6.54E-01	<2.67E-01	<2.96E-01	<3.38E-01	<5.96E-01	<9.38E-01	<3.45E-01

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	1,3-Butadiene	Bromomethane	Chloroethane	Trichlorofluoromethane	2-propanol (isopropylalcohol)	Methyl iodide	1,1-Dichloroethene	Acrylonitrile	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methylene chloride	trans-1,2-Dichloroethene	Methyl tert butyl ether	Propionitrile	1,1-Dichloroethane
	CAS	106-99-0	74-83-9	75-00-3	75-69-4	67-63-0	4227-95-6	75-35-4	107-13-1	76-13-1	107-05-1	75-09-2	156-60-5	1634-04-4	107-12-0	75-34-3
	MW	54.1	94.9	64.5	137.4	60.1	142.9	96.9	53.1	187.4	76.5	84.9	96.9	88.1	55.1	99
Flux (mg/m2-mi																
T-101		<1.66E-05	<5.67E-05	<3.85E-05	<8.21E-05	<7.29E-05	<8.53E-05	<2.98E-05	<6.44E-05	<5.77E-05	<2.35E-05	<2.61E-05	<2.98E-05	<5.26E-05	<8.28E-05	<3.05E-05
T-102		<1.05E-05	<3.56E-05	<2.42E-05	<5.16E-05	<4.58E-05	<5.37E-05	<1.87E-05	<4.05E-05	<3.63E-05	<1.48E-05	<1.64E-05	<1.87E-05	<3.31E-05	<5.21E-05	<1.92E-05
T-103		<1.42E-05	<4.84E-05	<3.29E-05	<7.01E-05	<6.22E-05	<7.29E-05	<2.55E-05	<5.50E-05	<4.92E-05	<2.01E-05	<2.23E-05	<2.55E-05	<4.49E-05	<7.07E-05	<2.60E-05
T-104		<9.15E-06	<3.12E-05	<2.12E-05	<4.51E-05	<4.01E-05	<4.69E-05	<1.64E-05	<3.54E-05	<3.17E-05	<1.29E-05	<1.44E-05	<1.64E-05	<2.89E-05	<4.55E-05	<1.67E-05
T-105		<7.91E-06	<2.69E-05	<1.83E-05	<3.90E-05	<3.46E-05	<4.06E-05	<1.42E-05	<3.06E-05	<2.74E-05	<1.12E-05	<1.24E-05	<1.42E-05	<2.50E-05	<3.93E-05	<1.45E-05
T-106		<8.71E-06	<2.97E-05	<2.02E-05	<4.29E-05	<3.81E-05	<4.47E-05	<1.56E-05	<3.37E-05	<3.02E-05	<1.23E-05	<1.37E-05	<1.56E-05	<2.75E-05	<4.33E-05	<1.59E-05
T-107		<1.15E-05	<3.92E-05	<2.66E-05	<5.67E-05	<5.03E-05	<5.90E-05	<2.06E-05	<4.45E-05	<3.98E-05	<1.63E-05	<1.80E-05	<2.06E-05	<3.64E-05	<5.72E-05	<2.10E-05
T-108		<2.76E-05	<9.40E-05	<6.39E-05	<1.36E-04	<1.21E-04	<1.42E-04	<4.95E-05	<1.07E-04	<9.57E-05	<3.91E-05	<4.33E-05	<4.95E-05	<8.73E-05	<1.37E-04	<5.05E-05
T-109		<8.60E-06	<2.93E-05	<1.99E-05	<4.24E-05	<3.77E-05	<4.41E-05	<1.54E-05	<3.33E-05	<2.98E-05	<1.22E-05	<1.35E-05	<1.54E-05	<2.72E-05	<4.28E-05	<1.57E-05
T-110		<7.76E-06	<2.64E-05	<1.80E-05	<3.83E-05	<3.40E-05	<3.98E-05	<1.39E-05	<3.00E-05	<2.69E-05	<1.10E-05	<1.22E-05	<1.39E-05	<2.45E-05	<3.86E-05	<1.42E-05
T-111		<5.20E-05	<1.77E-04	<1.20E-04	<2.56E-04	<2.28E-04	<2.67E-04	<9.32E-05	<2.01E-04	<1.80E-04	<7.36E-05	<8.16E-05	<9.32E-05	<1.64E-04	<2.59E-04	<9.52E-05
T-112		<9.94E-06	<3.38E-05	<2.30E-05	<4.90E-05	<4.35E-05	<5.10E-05	<1.78E-05	<3.84E-05	<3.44E-05	<1.41E-05	<1.56E-05	<1.78E-05	<3.14E-05	<4.94E-05	<1.82E-05
T-113		<8.71E-06	<2.97E-05	<2.02E-05	<4.29E-05	<3.81E-05	<4.47E-05	<1.56E-05	<3.37E-05	<3.02E-05	<1.23E-05	<1.37E-05	<1.56E-05	<2.75E-05	<4.33E-05	<1.59E-05
T-114		<7.89E-06	<2.69E-05	<1.83E-05	<3.89E-05	<3.45E-05	<4.04E-05	<1.41E-05	<3.05E-05	<2.73E-05	<1.12E-05	<1.24E-05	<1.41E-05	<2.49E-05	<3.92E-05	<1.44E-05
T-201		<8.92E-06	<3.04E-05	<2.07E-05	<4.40E-05	<3.91E-05	<4.58E-05	<1.60E-05	<3.45E-05	<3.09E-05	<1.26E-05	<1.40E-05	<1.60E-05	<2.82E-05	<4.44E-05	<1.63E-05
T-202		<9.80E-06	<3.34E-05	<2.27E-05	<4.83E-05	<4.29E-05	<5.02E-05	<1.75E-05	<3.79E-05	<3.39E-05	<1.39E-05	<1.54E-05	<1.75E-05	<3.10E-05	<4.87E-05	<1.79E-05
T-203		<7.51E-06	<2.56E-05	<1.74E-05	<3.70E-05	<3.29E-05	<3.85E-05	<1.35E-05	<2.91E-05	<2.60E-05	<1.06E-05	<1.18E-05	<1.35E-05	<2.37E-05	<3.74E-05	<1.37E-05
T-204		<1.03E-05	<3.50E-05	<2.38E-05	<5.07E-05	<4.50E-05	<5.27E-05	<1.84E-05	<3.98E-05	<3.56E-05	<1.45E-05	<1.61E-05	<1.84E-05	<3.25E-05	<5.11E-05	<1.88E-05
T-205		<8.07E-06	<2.75E-05	<1.87E-05	<3.98E-05	<3.53E-05	<4.14E-05	<1.45E-05	<3.12E-05	<2.79E-05	<1.14E-05	<1.27E-05	<1.45E-05	<2.55E-05	<4.01E-05	<1.48E-05
T-206		<1.24E-05	<4.24E-05	<2.88E-05	<6.13E-05	<5.45E-05	<6.38E-05	<2.23E-05	<4.81E-05	<4.31E-05	<1.76E-05	<1.95E-05	<2.23E-05	<3.93E-05	<6.19E-05	<2.28E-05
T-207		<8.11E-06	<2.76E-05	<1.88E-05	<4.00E-05	<3.55E-05	<4.16E-05	<1.45E-05	<3.14E-05	<2.81E-05	<1.15E-05	<1.27E-05	<1.45E-05	<2.56E-05	<4.03E-05	<1.48E-05
T-208		<8.23E-06	<2.80E-05	<1.90E-05	<4.06E-05	<3.60E-05	<4.22E-05	<1.47E-05	<3.18E-05	<2.85E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.60E-05	<4.09E-05	<1.51E-05
T-209		<7.80E-06	<2.66E-05	<1.80E-05	<3.84E-05	<3.41E-05	<4.00E-05	<1.40E-05	<3.02E-05	<2.70E-05	<1.10E-05	<1.22E-05	<1.40E-05	<2.47E-05	<3.88E-05	<1.43E-05
T-210		<8.67E-06	<2.95E-05	<2.01E-05	<4.27E-05	<3.80E-05	<4.44E-05	<1.55E-05	<3.35E-05	<3.00E-05	<1.23E-05	<1.36E-05	<1.55E-05	<2.74E-05	<4.31E-05	<1.59E-05
T-211		<8.12E-06	<2.76E-05	<1.88E-05	<4.00E-05	<3.55E-05	<4.16E-05	<1.45E-05	<3.14E-05	<2.81E-05	<1.15E-05	<1.27E-05	<1.45E-05	<2.57E-05	<4.04E-05	<1.49E-05
T-212		<7.48E-06	<2.55E-05	<1.73E-05	<3.69E-05	<3.28E-05	<3.84E-05	<1.34E-05	<2.89E-05	<2.59E-05	<1.06E-05	<1.17E-05	<1.34E-05	<2.36E-05	<3.72E-05	<1.37E-05
T-213		<8.40E-06	<2.86E-05	<1.94E-05	<4.14E-05	<3.68E-05	<4.31E-05	<1.50E-05	<3.25E-05	<2.91E-05	<1.19E-05	<1.32E-05	<1.50E-05	<2.66E-05	<4.18E-05	<1.54E-05
T-214		<8.64E-06	<2.94E-05	<2.00E-05	<4.26E-05	<3.78E-05	<4.43E-05	<1.55E-05	<3.34E-05	<2.99E-05	<1.22E-05	<1.36E-05	<1.55E-05	<2.73E-05	<4.30E-05	<1.58E-05
T-301		<1.37E-05	<4.66E-05	<3.17E-05	<6.75E-05	<6.00E-05	<7.02E-05	<2.45E-05	<5.30E-05	<4.75E-05	<1.94E-05	<2.15E-05	<2.45E-05	<4.33E-05	<6.81E-05	<2.51E-05
T-302		<7.58E-06	<2.58E-05	<1.75E-05	<3.74E-05	<3.32E-05	<3.89E-05	<1.36E-05	<2.93E-05	<2.62E-05	<1.07E-05	<1.19E-05	<1.36E-05	<2.40E-05	<3.77E-05	<1.39E-05
T-303		<8.19E-06	<2.79E-05	<1.90E-05	<4.04E-05	<3.59E-05	<4.20E-05	<1.47E-05	<3.17E-05	<2.84E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.59E-05	<4.07E-05	<1.50E-05
T-304		<9.38E-06	<3.19E-05	<2.17E-05	<4.62E-05	<4.11E-05	<4.81E-05	<1.68E-05	<3.63E-05	<3.25E-05	<1.33E-05	<1.47E-05	<1.68E-05	<2.96E-05	<4.66E-05	<1.72E-05
T-305		<1.44E-05	<4.89E-05	<3.33E-05	<7.08E-05	<6.29E-05	<7.37E-05	<2.57E-05	<5.56E-05	<4.98E-05	<2.03E-05	<2.25E-05	<2.57E-05	<4.54E-05	<7.14E-05	<2.63E-05
T-306		<3.06E-05	<1.04E-04	<7.09E-05	<1.51E-04	<1.34E-04	<1.57E-04	<5.49E-05	<1.18E-04	<1.06E-04	<4.33E-05	<4.81E-05	<5.49E-05	<9.68E-05	<1.52E-04	<5.60E-05
T-307		<1.09E-05	<3.72E-05	<2.53E-05	<5.39E-05	<4.78E-05	<5.60E-05	<1.96E-05	<4.23E-05	<3.78E-05	<1.54E-05	<1.71E-05	<1.96E-05	<3.45E-05	<5.43E-05	<2.00E-05
T-308		<1.15E-05	<3.90E-05	<2.65E-05	<5.65E-05	<5.01E-05	<5.87E-05	<2.05E-05	<4.43E-05	<3.97E-05	<1.62E-05	<1.80E-05	<2.05E-05	<3.62E-05	<5.69E-05	<2.10E-05
T-309		<7.72E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.67E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-310		<9.58E-06	<3.26E-05	<2.22E-05	<4.72E-05	<4.19E-05	<4.91E-05	<1.72E-05	<3.71E-05	<3.32E-05	<1.35E-05	<1.50E-05	<1.72E-05	<3.03E-05	<4.76E-05	<1.75E-05
T-311		<1.11E-05	<3.79E-05	<2.58E-05	<5.49E-05	<4.87E-05	<5.70E-05	<1.99E-05	<4.30E-05	<3.85E-05	<1.57E-05	<1.75E-05	<1.99E-05	<3.52E-05	<5.53E-05	<2.04E-05
T-312		<5.13E-05	<1.78E-04	<1.21E-04	<2.58E-04	<2.25E-04	<2.68E-04	<9.09E-05	<1.99E-04	<1.76E-04	<7.18E-05	<7.96E-05	<9.09E-05	<1.65E-04	<2.58E-04	<9.29E-05
T-313		<6.86E-06	<2.34E-05	<1.59E-05	<3.38E-05	<3.00E-05	<3.52E-05	<1.23E-05	<2.65E-05	<2.38E-05	<9.70E-06	<1.08E-05	<1.23E-05	<2.17E-05	<3.41E-05	<1.26E-05
T-314		<7.73E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.68E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-401		<1.26E-05	<4.28E-05	<2.91E-05	<6.19E-05	<5.50E-05	<6.44E-05	<2.25E-05	<4.86E-05	<4.35E-05	<1.78E-05	<1.97E-05	<2.25E-05	<3.97E-05	<6.25E-05	<2.30E-05
T-402		<1.08E-05	<3.67E-05	<2.50E-05	<5.32E-05	<4.72E-05	<5.53E-05	<1.93E-05	<4.17E-05	<3.74E-05	<1.52E-05	<1.69E-05	<1.93E-05	<3.41E-05	<5.36E-05	<1.97E-05
T-403		<7.73E-06	<2.63E-05	<1.79E-05	<3.81E-05	<3.38E-05	<3.96E-05	<1.38E-05	<2.99E-05	<2.68E-05	<1.09E-05	<1.21E-05	<1.38E-05	<2.44E-05	<3.84E-05	<1.41E-05
T-404		<1.60E-05	<5.45E-05	<3.70E-05	<7.89E-05	<7.01E-05	<8.21E-05	<2.87E-05	<6.19E-05	<5.54E-05	<2.26E-05	<2.51E-05	<2.87E-05	<5.06E-05	<7.96E-05	<2.93E-05
T-405		<8.16E-06	<2.78E-05	<1.89E-05	<4.02E-05	<3.57E-05	<4.18E-05	<1.46E-05	<3.16E-05	<2.83E-05	<1.15E-05	<1.28E-05	<1.46E-05	<2.58E-05	<4.06E-05	<1.49E-05
T-406		<1.02E-05	<3.47E-05	<2.36E-05	<5.03E-05	<4.46E-05	<5.23E-05	<1.83E-05	<3.94E-05	<3.53E-05	<1.44E-05	<1.60E-05	<1.83E-05	<3.22E-05	<5.07E-05	<1.87E-05
T-407		<7.48E-06	<2.55E-05	<1.73E-05	<3.69E-05	<3.28E-05	<3.84E-05	<1.34E-05	<2.89E-05	<2.59E-05	<1.06E-05	<1.17E-05	<1.34E-05	<2.36E-05	<3.72E-05	<1.37E-05
T-408		<8.73E-06	<2.97E-05	<2.02E-05	<4.30E-05	<3.82E-05	<4.48E-05	<1.56E-05	<3.38E-05	<3.02E-05	<1.23E-05	<1.37E-05	<1.56E-05	<2.76E-05	<4.34E-05	<1.60E-05
T-409		<8.52E-06	<2.90E-05	<1.97E-05	<4.20E-05	<3.73E-05	<4.37E-05	<1.53E-05	<3.29E-05	<2.95E-05	<1.20E-05	<1.34E-05	<1.53E-05	<2.69E-05	<4.24E-05	<1.56E-05
T-410		<7.37E-06	<2.51E-05	<1.71E-05	<3.64E-05	<3.23E-05	<3.78E-05	<1.32E-05	<2.85E-05	<2.55E-05	<1.04E-05	<1.16E-05	<1.32E-05	<2.33E-05	<3.67E-05	<1.35E-05
T-501		<8.32E-06	<2.83E-05	<1.93E-05	<4.10E-05	<3.64E-05	<4.27E-05	<1.49E-05	<3.22E-05	<2.88E-05	<1.18E-05	<1.31E-05	<1.49E-05	<2.63E-05	<4.14E-05	<1.52E-05
T-502		<8.83E-06	<3.01E-05	<2.04E-05	<4.35E-05	<3.86E-05	<4.53E-05	<1.58E-05	<3.41E-05	<3.06E-05	<1.25E-05	<1.39E-05	<1.58E-05	<2.79E-05	<4.39E-05	<1.62E-05
T-503		<8.20E-06	<2.79E-05	<1.90E-05	<4.05E-05	<3.59E-05	<4.21E-05	<1.47E-05	<3.17E-05	<2.84E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.59E-05	<4.08E-05	<1.50E-05
T-504		<9.18E-06	<3.13E-05	<2.13E-05	<4.53E-05	<4.02E-05	<4.71E-05	<1.64E-05	<3.55E-05	<3.18E-05	<1.30E-05	<1.44E-05	<1.64E-05	<2.90E-05	<4.57E-05	<1.68E-05
T-505		<9.03E-06	<3.07E-05	<2.09E-05	<4.45E-05	<3.95E-05	<4.63E-05	<1.62E-05	<3.49E-05	<3.13E-05	<1.28E-05	<1.42E-05	<1.62E-05	<2.85E-05	<4.49E-05	<1.65E-05
T-506		<8.47E-06	<2.89E-05	<1.96E-05	<4.18E-05	<3.71E-05	<4.35E-05	<1.52E-05	<3.28E-05	<2.94E-05	<1.20E-05	<1.33E-05	<1.52E-05	<2.68E-05	<4.21E-05	<1.55E-05
T-507		<9.46E-06	<3.22E-05	<2.19E-05	<4.67E-05	<4.14E-05	<4.85E-05	<1.70E-05	<3.66E-05	<3.28E-05	<1.34E-05	<1.49E-05	<1.70E-05	<2.99E-05	<4.71E-05	<1.73E-05
T-508		<1.13E-05	<3.84E-05	<2.61E-05	<5.56E-05	<4.93E-05	<5.78E-05	<2.02E-05	<4.36E-05	<3.90E-05	<1.59E-05	<1.77E-05	<2.02E-05	<3.56E-05	<5.60E-05	<2.06E-05
T-509		<8.01E-06	<2.73E-05	<1.85E-05	<3.95E-05	<3.50E-05	<4.10E-05	<1.43E-05	<3.10E-05	<2.77E-05	<1.13E-05	<1.26E-05	<1.43E-05	<2.53E-05	<3.98E-05	<1.46E-05
T-510		<8.20E-06	<2.79E-05	<1.90E-05	<4.04E-05	<3.59E-05	<4.21E-05	<1.47E-05	<3.17E-05	<2.84E-05	<1.16E-05	<1.29E-05	<1.47E-05	<2.59E-05	<4.08E-05	<1.50E-05
T-601		<9.68E-06	<3.30E-05	<2.24E-05	<4.77E-05	<4.24E-05	<4.96E-05	<1.73E-05	<3.74E-05	<3.35E-05	<1.37E-05	<1.52E-05	<1.73E-05	<3.06E-05	<4.81E-05	<1.77E-05
T-602		<9.03E-06	<3.07E-05	<2.09E-05	<4.45E-05	<3.95E-05	<4.63E-05	<1.62E-05	<3.49E-05	<3.13E-05	<1.28E-05	<1.42E-05	<1.62E-05	<2.85E-05	<4.49E-05	<1.65E-05
T-603		<1.13E-05	<3.83E-05	<2.60E-05	<5.55E-05	<4.93E-05	<5.77E-05	<2.02E-05	<4.35E-05	<3.90E-05	<1.59E-05	<1.77E-05	<2.02E-05	<3.56E-05	<5.60E-05	<2.06E-05
T-604		<8.25E-06	<2.81E-05	<1.91E-05	<4.07E-05	<3.61E-05	<4.23E-05	<1.48E-05	<3.19E-05	<2.86E-05	<1.17E-05	<1.29E-05	<1.48E-05	<2.61E-05	<4.10E-05	<1.51E-05
T-605		<1.67E-05	<5.68E-05	<3.86E-05	<8.23E-05	<7.31E-05	<8.56E-05	<2.99E-05	<6.46E-05	<5.78E-05	<2.36E-05	<2.62E-05	<2.99E-05	<5.28E-05	<8.30E-05	<3.05E-05
T-606		<8.85E-06	<3.01E-05	<2.05E-05	<4.36E-05	<3.87E-05	<4.54E-05	<1.58E-05	<3.42E-05	<3.06E-05	<1.25E-05	<1.39E-05	<1.58E-05	<2.80E-05	<4.40E-05	<1.62E-05
T-607		<1.54E-05	<5.23E-05	<3.55E-05	<7.57E-05	<6.72E-05	<7.87E-05	<2.75E-05	<5.94E-05	<5.32E-05	<2.17E-05	<2.41E-05	<2.75E-05	<4.85E-05	<7.63E-05	<2.81E-05
T-608		<1.93E-05	<6.56E-05	<4.46E-05	<9.50E-05	<8.44E-05	<9.88E-05	<3.45E-05	<7.45E-05	<6.67E-05	<2.72E-05	<3.02E-05	<3.45E-05	<6.09E-05	<9.58E-05	<3.53E-05
T-609		<1.77E-05	<6.03E-05	<4.10E-05	<8.73E-05	<7.75E-05	<9.08E-05	<3.17E-05	<6.85E-05	<6.13E-05	<2.50E-05	<2.78E-05	<3.17E-05	<5.60E-05	<8.81E-05	<3.24E-05
T-610		<8.24E-06	<2.81E-05	<1.91E-05	<4.06E-05	<3.61E-05	<4.23E-05	<1.48E-05	<3.19E-05	<2.86E-05	<1.17E-05	<1.29E-05	<1.48E-05	<2.61E-05	<4.10E-05	<1.51E-05

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	cis-1,2-Dichloroethene	2,2-Dichloropropane	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether
	CAS	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8
	MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
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	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
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	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	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
T-109		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
T-111		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
T-113		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
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	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	ND	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	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
T-211		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
T-213		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
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	ND	ND
T-303		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
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	ND
T-307		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
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	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
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	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	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
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-602		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-603		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-605		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-607		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-608		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-609		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	cis-1,2-Dichloroethene	2,2-Dichloropropane	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether
	CAS	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8
	MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
MDL (ppbv)																
T-101		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-102		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-103		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-104		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-105		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-106		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-107		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-108		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-109		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-110		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-111		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-112		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-113		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-114		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-201		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-202		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-203		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-204		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-205		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-206		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-207		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-208		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-209		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-210		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-211		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-212		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-213		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-214		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-301		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-302		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-303		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-304		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-305		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-306		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-307		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-308		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-309		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-310		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-311		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-312		2	1	2	2	1	2	4	1	1	1	1	1	1	1	2
T-313		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-314		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-401		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-402		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-403		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-404		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-405		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-406		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-407		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-408		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-409		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-410		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-501		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-502		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-503		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-504		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-505		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-506		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-507		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-508		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-509		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-510		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-601		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-602		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-603		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-604		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-605		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-606		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-607		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-608		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-609		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33
T-610		0.33	0.17	0.33	0.33	0.17	0.33	0.67	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.33

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	cis-1,2-Dichloroethene	2,2-Dichloropropane	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether
	CAS	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8
	MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
Data Used (ug/l)																
T-101		<6.80E-01	<2.95E-01	<6.80E-01	<4.47E-01	<4.44E-01	<5.73E-01	<1.00E+00	<3.32E-01	<3.88E-01	<4.09E-01	<4.58E-01	<3.40E-01	<3.81E-01	<5.27E-01	<6.80E-01
T-102		<6.83E-01	<2.96E-01	<6.83E-01	<4.48E-01	<4.45E-01	<5.75E-01	<1.01E+00	<3.34E-01	<3.89E-01	<4.11E-01	<4.59E-01	<3.41E-01	<3.82E-01	<5.29E-01	<6.83E-01
T-103		<6.89E-01	<2.99E-01	<6.89E-01	<4.53E-01	<4.50E-01	<5.81E-01	<1.01E+00	<3.37E-01	<3.93E-01	<4.15E-01	<4.63E-01	<3.44E-01	<3.86E-01	<5.34E-01	<6.89E-01
T-104		<7.06E-01	<3.07E-01	<7.06E-01	<4.64E-01	<4.61E-01	<5.95E-01	<1.04E+00	<3.45E-01	<4.02E-01	<4.25E-01	<4.75E-01	<3.52E-01	<3.95E-01	<5.48E-01	<7.06E-01
T-105		<6.72E-01	<2.92E-01	<6.72E-01	<4.41E-01	<4.38E-01	<5.66E-01	<9.89E-01	<3.28E-01	<3.83E-01	<4.04E-01	<4.52E-01	<3.35E-01	<3.76E-01	<5.21E-01	<6.72E-01
T-106		<6.67E-01	<2.89E-01	<6.67E-01	<4.38E-01	<4.35E-01	<5.62E-01	<9.82E-01	<3.26E-01	<3.80E-01	<4.01E-01	<4.48E-01	<3.33E-01	<3.73E-01	<5.17E-01	<6.67E-01
T-107		<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<4.30E-01	<5.56E-01	<9.71E-01	<3.22E-01	<3.76E-01	<3.97E-01	<4.44E-01	<3.29E-01	<3.69E-01	<5.11E-01	<6.60E-01
T-108		<6.56E-01	<2.85E-01	<6.56E-01	<4.31E-01	<4.28E-01	<5.53E-01	<9.66E-01	<3.21E-01	<3.74E-01	<3.95E-01	<4.41E-01	<3.27E-01	<3.67E-01	<5.09E-01	<6.56E-01
T-109		<6.52E-01	<2.83E-01	<6.52E-01	<4.28E-01	<4.25E-01	<5.49E-01	<9.59E-01	<3.18E-01	<3.71E-01	<3.92E-01	<4.38E-01	<3.25E-01	<3.65E-01	<5.05E-01	<6.52E-01
T-110		<6.68E-01	<2.90E-01	<6.68E-01	<4.39E-01	<4.36E-01	<5.63E-01	<9.83E-01	<3.26E-01	<3.81E-01	<4.02E-01	<4.49E-01	<3.33E-01	<3.74E-01	<5.18E-01	<6.68E-01
T-111		<6.46E-01	<2.80E-01	<6.46E-01	<4.24E-01	<4.21E-01	<5.44E-01	<9.51E-01	<3.15E-01	<3.68E-01	<3.89E-01	<4.34E-01	<3.22E-01	<3.61E-01	<5.01E-01	<6.46E-01
T-112		<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<4.30E-01	<5.56E-01	<9.71E-01	<3.22E-01	<3.76E-01	<3.97E-01	<4.44E-01	<3.29E-01	<3.69E-01	<5.11E-01	<6.60E-01
T-113		<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<4.30E-01	<5.56E-01	<9.71E-01	<3.22E-01	<3.76E-01	<3.97E-01	<4.44E-01	<3.29E-01	<3.69E-01	<5.11E-01	<6.60E-01
T-114		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-201		<7.00E-01	<3.04E-01	<7.00E-01	<4.59E-01	<4.56E-01	<5.89E-01	<1.03E+00	<3.42E-01	<3.99E-01	<4.21E-01	<4.70E-01	<3.49E-01	<3.91E-01	<5.42E-01	<7.00E-01
T-202		<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<4.56E-01	<5.88E-01	<1.03E+00	<3.41E-01	<3.98E-01	<4.20E-01	<4.70E-01	<3.49E-01	<3.91E-01	<5.41E-01	<6.98E-01
T-203		<7.04E-01	<3.05E-01	<7.04E-01	<4.62E-01	<4.59E-01	<5.93E-01	<1.04E+00	<3.44E-01	<4.01E-01	<4.24E-01	<4.73E-01	<3.51E-01	<3.94E-01	<5.46E-01	<7.04E-01
T-204		<7.08E-01	<3.07E-01	<7.08E-01	<4.65E-01	<4.62E-01	<5.96E-01	<1.04E+00	<3.46E-01	<4.03E-01	<4.26E-01	<4.76E-01	<3.53E-01	<3.96E-01	<5.49E-01	<7.08E-01
T-205		<6.84E-01	<2.97E-01	<6.84E-01	<4.49E-01	<4.46E-01	<5.76E-01	<1.01E+00	<3.34E-01	<3.90E-01	<4.12E-01	<4.60E-01	<3.41E-01	<3.83E-01	<5.30E-01	<6.84E-01
T-206		<6.78E-01	<2.94E-01	<6.78E-01	<4.45E-01	<4.42E-01	<5.71E-01	<9.98E-01	<3.31E-01	<3.86E-01	<4.08E-01	<4.56E-01	<3.38E-01	<3.79E-01	<5.26E-01	<6.78E-01
T-207		<6.72E-01	<2.92E-01	<6.72E-01	<4.41E-01	<4.38E-01	<5.66E-01	<9.89E-01	<3.28E-01	<3.83E-01	<4.04E-01	<4.52E-01	<3.35E-01	<3.76E-01	<5.21E-01	<6.72E-01
T-208		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-209		<6.73E-01	<2.92E-01	<6.73E-01	<4.42E-01	<4.39E-01	<5.67E-01	<9.91E-01	<3.29E-01	<3.83E-01	<4.05E-01	<4.53E-01	<3.36E-01	<3.77E-01	<5.22E-01	<6.73E-01
T-210		<6.71E-01	<2.91E-01	<6.71E-01	<4.40E-01	<4.37E-01	<5.65E-01	<9.87E-01	<3.28E-01	<3.82E-01	<4.04E-01	<4.51E-01	<3.35E-01	<3.75E-01	<5.20E-01	<6.71E-01
T-211		<6.72E-01	<2.92E-01	<6.72E-01	<4.41E-01	<4.38E-01	<5.66E-01	<9.89E-01	<3.28E-01	<3.83E-01	<4.04E-01	<4.52E-01	<3.35E-01	<3.76E-01	<5.21E-01	<6.72E-01
T-212		<6.67E-01	<2.89E-01	<6.67E-01	<4.38E-01	<4.35E-01	<5.62E-01	<9.82E-01	<3.26E-01	<3.80E-01	<4.01E-01	<4.48E-01	<3.33E-01	<3.73E-01	<5.17E-01	<6.67E-01
T-213		<6.67E-01	<2.89E-01	<6.67E-01	<4.38E-01	<4.35E-01	<5.62E-01	<9.82E-01	<3.26E-01	<3.80E-01	<4.01E-01	<4.48E-01	<3.33E-01	<3.73E-01	<5.17E-01	<6.67E-01
T-214		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-301		<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<4.56E-01	<5.88E-01	<1.03E+00	<3.41E-01	<3.98E-01	<4.20E-01	<4.70E-01	<3.49E-01	<3.91E-01	<5.41E-01	<6.98E-01
T-302		<7.12E-01	<3.09E-01	<7.12E-01	<4.67E-01	<4.64E-01	<6.00E-01	<1.05E+00	<3.48E-01	<4.05E-01	<4.28E-01	<4.79E-01	<3.55E-01	<3.98E-01	<5.52E-01	<7.12E-01
T-303		<6.97E-01	<3.03E-01	<6.97E-01	<4.58E-01	<4.55E-01	<5.87E-01	<1.03E+00	<3.40E-01	<3.97E-01	<4.20E-01	<4.69E-01	<3.48E-01	<3.90E-01	<5.40E-01	<6.97E-01
T-304		<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<4.56E-01	<5.88E-01	<1.03E+00	<3.41E-01	<3.98E-01	<4.20E-01	<4.70E-01	<3.49E-01	<3.91E-01	<5.41E-01	<6.98E-01
T-305		<6.43E-01	<2.79E-01	<6.43E-01	<4.22E-01	<4.19E-01	<5.41E-01	<9.46E-01	<3.14E-01	<3.66E-01	<3.87E-01	<4.32E-01	<3.21E-01	<3.60E-01	<4.98E-01	<6.43E-01
T-306		<6.53E-01	<2.83E-01	<6.53E-01	<4.29E-01	<4.26E-01	<5.50E-01	<9.61E-01	<3.19E-01	<3.72E-01	<3.93E-01	<4.39E-01	<3.26E-01	<3.65E-01	<5.06E-01	<6.53E-01
T-307		<6.50E-01	<2.82E-01	<6.50E-01	<4.27E-01	<4.24E-01	<5.48E-01	<9.58E-01	<3.18E-01	<3.71E-01	<3.91E-01	<4.37E-01	<3.25E-01	<3.64E-01	<5.04E-01	<6.50E-01
T-308		<6.60E-01	<2.86E-01	<6.60E-01	<4.33E-01	<4.30E-01	<5.56E-01	<9.71E-01	<3.22E-01	<3.76E-01	<3.97E-01	<4.44E-01	<3.29E-01	<3.69E-01	<5.11E-01	<6.60E-01
T-309		<6.41E-01	<2.78E-01	<6.41E-01	<4.21E-01	<4.18E-01	<5.40E-01	<9.44E-01	<3.13E-01	<3.65E-01	<3.86E-01	<4.31E-01	<3.20E-01	<3.59E-01	<4.97E-01	<6.41E-01
T-310		<6.15E-01	<2.67E-01	<6.15E-01	<4.04E-01	<4.01E-01	<5.18E-01	<9.05E-01	<3.00E-01	<3.50E-01	<3.70E-01	<4.13E-01	<3.07E-01	<3.44E-01	<4.77E-01	<6.15E-01
T-311		<6.33E-01	<2.75E-01	<6.33E-01	<4.15E-01	<4.13E-01	<5.33E-01	<9.31E-01	<3.09E-01	<3.60E-01	<3.81E-01	<4.25E-01	<3.16E-01	<3.54E-01	<4.90E-01	<6.33E-01
T-312		<3.87E+00	<1.63E+00	<3.87E+00	<2.54E+00	<2.45E+00	<3.26E+00	<5.61E+00	<1.83E+00	<2.14E+00	<2.26E+00	<2.52E+00	<1.87E+00	<2.10E+00	<2.91E+00	<3.87E+00
T-313		<6.38E-01	<2.77E-01	<6.38E-01	<4.19E-01	<4.16E-01	<5.38E-01	<9.39E-01	<3.12E-01	<3.63E-01	<3.84E-01	<4.29E-01	<3.18E-01	<3.57E-01	<4.95E-01	<6.38E-01
T-314		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-401		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-402		<6.97E-01	<3.03E-01	<6.97E-01	<4.58E-01	<4.55E-01	<5.87E-01	<1.03E+00	<3.40E-01	<3.97E-01	<4.20E-01	<4.69E-01	<3.48E-01	<3.90E-01	<5.40E-01	<6.97E-01
T-403		<6.93E-01	<3.01E-01	<6.93E-01	<4.55E-01	<4.52E-01	<5.84E-01	<1.02E+00	<3.39E-01	<3.95E-01	<4.17E-01	<4.66E-01	<3.46E-01	<3.88E-01	<5.37E-01	<6.93E-01
T-404		<6.89E-01	<2.99E-01	<6.89E-01	<4.53E-01	<4.50E-01	<5.81E-01	<1.01E+00	<3.37E-01	<3.93E-01	<4.15E-01	<4.63E-01	<3.44E-01	<3.86E-01	<5.34E-01	<6.89E-01
T-405		<6.71E-01	<2.91E-01	<6.71E-01	<4.40E-01	<4.37E-01	<5.65E-01	<9.87E-01	<3.28E-01	<3.82E-01	<4.04E-01	<4.51E-01	<3.35E-01	<3.75E-01	<5.20E-01	<6.71E-01
T-406		<6.75E-01	<2.93E-01	<6.75E-01	<4.43E-01	<4.41E-01	<5.69E-01	<9.94E-01	<3.30E-01	<3.85E-01	<4.06E-01	<4.54E-01	<3.37E-01	<3.78E-01	<5.24E-01	<6.75E-01
T-407		<6.80E-01	<2.95E-01	<6.80E-01	<4.47E-01	<4.44E-01	<5.73E-01	<1.00E+00	<3.32E-01	<3.88E-01	<4.09E-01	<4.58E-01	<3.40E-01	<3.81E-01	<5.27E-01	<6.80E-01
T-408		<6.84E-01	<2.97E-01	<6.84E-01	<4.49E-01	<4.46E-01	<5.76E-01	<1.01E+00	<3.34E-01	<3.90E-01	<4.12E-01	<4.60E-01	<3.41E-01	<3.83E-01	<5.30E-01	<6.84E-01
T-409		<6.84E-01	<2.97E-01	<6.84E-01	<4.49E-01	<4.46E-01	<5.76E-01	<1.01E+00	<3.34E-01	<3.90E-01	<4.12E-01	<4.60E-01	<3.41E-01	<3.83E-01	<5.30E-01	<6.84E-01
T-410		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-501		<6.98E-01	<3.03E-01	<6.98E-01	<4.59E-01	<4.56E-01	<5.88E-01	<1.03E+00	<3.41E-01	<3.98E-01	<4.20E-01	<4.70E-01	<3.49E-01	<3.91E-01	<5.41E-01	<6.98E-01
T-502		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-503		<6.94E-01	<3.01E-01	<6.94E-01	<4.56E-01	<4.53E-01	<5.85E-01	<1.02E+00	<3.39E-01	<3.96E-01	<4.18E-01	<4.67E-01	<3.47E-01	<3.89E-01	<5.38E-01	<6.94E-01
T-504		<6.97E-01	<3.03E-01	<6.97E-01	<4.58E-01	<4.55E-01	<5.87E-01	<1.03E+00	<3.40E-01	<3.97E-01	<4.20E-01	<4.69E-01	<3.48E-01	<3.90E-01	<5.40E-01	<6.97E-01
T-505		<6.83E-01	<2.96E-01	<6.83E-01	<4.48E-01	<4.45E-01	<5.75E-01	<1.01E+00	<3.34E-01	<3.89E-01	<4.11E-01	<4.59E-01	<3.41E-01	<3.82E-01	<5.29E-01	<6.83E-01
T-506		<6.85E-01	<2.97E-01	<6.85E-01	<4.50E-01	<4.47E-01	<5.77E-01	<1.01E+00	<3.35E-01	<3.90E-01	<4.13E-01	<4.61E-01	<3.42E-01	<3.84E-01	<5.31E-01	<6.85E-01
T-507		<6.85E-01	<2.97E-01	<6.85E-01	<4.50E-01	<4.47E-01	<5.77E-01	<1.01E+00	<3.35E-01	<3.90E-01	<4.13E-01	<4.61E-01	<3.42E-01	<3.84E-01	<5.31E-01	<6.85E-01
T-508		<6.87E-01	<2.98E-01	<6.87E-01	<4.51E-01	<4.48E-01	<5.79E-01	<1.01E+00	<3.35E-01	<3.91E-01	<4.13E-01	<4.62E-01	<3.43E-01	<3.84E-01	<5.32E-01	<6.87E-01
T-509		<6.87E-01	<2.98E-01	<6.87E-01	<4.51E-01	<4.48E-01	<5.79E-01	<1.01E+00	<3.35E-01	<3.91E-01	<4.13E-01	<4.62E-01	<3.43E-01	<3.84E-01	<5.32E-01	<6.87E-01
T-510		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01
T-601		<7.06E-01	<3.07E-01	<7.06E-01	<4.64E-01	<4.61E-01	<5.95E-01	<1.04E+00	<3.45E-01	<4.02E-01	<4.25E-01	<4.75E-01	<3.52E-01	<3.95E-01	<5.48E-01	<7.06E-01
T-602		<7.05E-01	<3.06E-01	<7.05E-01	<4.63E-01	<4.60E-01	<5.94E-01	<1.04E+00	<3.44E-01	<4.02E-01	<4.24E-01	<4.74E-01	<3.52E-01	<3.94E-01	<5.47E-01	<7.05E-01
T-603		<7.04E-01	<3.05E-01	<7.04E-01	<4.62E-01	<4.59E-01	<5.93E-01	<1.04E+00	<3.44E-01	<4.01E-01	<4.24E-01	<4.73E-01	<3.51E-01	<3.94E-01	<5.46E-01	<7.04E-01
T-604		<7.05E-01	<3.06E-01	<7.05E-01	<4.63E-01	<4.60E-01	<5.94E-01	<1.04E+00	<3.44E-01	<4.02E-01	<4.24E-01	<4.74E-01	<3.52E-01	<3.94E-01	<5.47E-01	<7.05E-01
T-605		<6.73E-01	<2.92E-01	<6.73E-01	<4.42E-01	<4.39E-01	<5.67E-01	<9.91E-01	<3.29E-01	<3.83E-01	<4.05E-01	<4.53E-01	<3.36E-01	<3.77E-01	<5.22E-01	<6.73E-01
T-606		<6.87E-01	<2.98E-01	<6.87E-01	<4.51E-01	<4.48E-01	<5.79E-01	<1.01E+00	<3.35E-01	<3.91E-01	<4.13E-01	<4.62E-01	<3.43E-01	<3.84E-01	<5.32E-01	<6.87E-01
T-607		<6.67E-01	<2.89E-01	<6.67E-01	<4.38E-01	<4.35E-01	<5.62E-01	<9.82E-01	<3.26E-01	<3.80E-01	<4.01E-01	<4.48E-01	<3.33E-01	<3.73E-01	<5.17E-01	<6.67E-01
T-608		<6.85E-01	<2.97E-01	<6.85E-01	<4.50E-01	<4.47E-01	<5.77E-01	<1.01E+00	<3.35E-01	<3.90E-01	<4.13E-01	<4.61E-01	<3.42E-01	<3.84E-01	<5.31E-01	<6.85E-01
T-609		<6.85E-01	<2.97E-01	<6.85E-01	<4.50E-01	<4.47E-01	<5.77E-01	<1.01E+00	<3.35E-01	<3.90E-01	<4.13E-01	<4.61E-01	<3.42E-01	<3.84E-01	<5.31E-01	<6.85E-01
T-610		<6.92E-01	<3.00E-01	<6.92E-01	<4.54E-01	<4.51E-01	<5.83E-01	<1.02E+00	<3.38E-01	<3.94E-01	<4.16E-01	<4.65E-01	<3.45E-01	<3.87E-01	<5.36E-01	<6.92E-01

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Methyl acrylate	Isobutyl alcohol	cis-1,2-Dichloroethene	2,2-Dichloropropane	Chloroform	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloropropene	Carbon tetrachloride	t-Amyl methyl ether
	CAS	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	96-33-3	78-83-1	156-59-2	594-20-7	67-66-3	71-55-6	107-06-2	563-58-6	56-23-5	994-05-8
	MW	102.2	86.1	102.2	67.1	129.4	86.1	74.1	96.9	113	119.4	133.4	99	111	153.8	102.2
Flux (mg/m2-mi																
T-101		<6.10E-05	<2.65E-05	<6.10E-05	<4.01E-05	<3.98E-05	<5.14E-05	<8.98E-05	<2.98E-05	<3.48E-05	<3.67E-05	<4.10E-05	<3.05E-05	<3.41E-05	<4.73E-05	<6.10E-05
T-102		<3.84E-05	<1.67E-05	<3.84E-05	<2.52E-05	<2.50E-05	<3.23E-05	<5.65E-05	<1.87E-05	<2.19E-05	<2.31E-05	<2.58E-05	<1.92E-05	<2.15E-05	<2.98E-05	<3.84E-05
T-103		<5.21E-05	<2.26E-05	<5.21E-05	<3.42E-05	<3.40E-05	<4.39E-05	<7.67E-05	<2.55E-05	<2.97E-05	<3.14E-05	<3.50E-05	<2.60E-05	<2.92E-05	<4.04E-05	<5.21E-05
T-104		<3.36E-05	<1.46E-05	<3.36E-05	<2.20E-05	<2.19E-05	<2.83E-05	<4.94E-05	<1.64E-05	<1.91E-05	<2.02E-05	<2.26E-05	<1.67E-05	<1.88E-05	<2.60E-05	<3.36E-05
T-105		<2.90E-05	<1.26E-05	<2.90E-05	<1.90E-05	<1.89E-05	<2.44E-05	<4.27E-05	<1.42E-05	<1.65E-05	<1.75E-05	<1.95E-05	<1.45E-05	<1.62E-05	<2.25E-05	<2.90E-05
T-106		<3.19E-05	<1.39E-05	<3.19E-05	<2.10E-05	<2.08E-05	<2.69E-05	<4.70E-05	<1.56E-05	<1.82E-05	<1.92E-05	<2.15E-05	<1.59E-05	<1.79E-05	<2.48E-05	<3.19E-05
T-107		<4.22E-05	<1.83E-05	<4.22E-05	<2.77E-05	<2.75E-05	<3.55E-05	<6.21E-05	<2.06E-05	<2.40E-05	<2.54E-05	<2.84E-05	<2.10E-05	<2.36E-05	<3.27E-05	<4.22E-05
T-108		<1.01E-04	<4.40E-05	<1.01E-04	<6.65E-05	<6.61E-05	<8.53E-05	<1.49E-04	<4.95E-05	<5.77E-05	<6.10E-05	<6.81E-05	<5.05E-05	<5.67E-05	<7.85E-05	<1.01E-04
T-109		<3.15E-05	<1.37E-05	<3.15E-05	<2.07E-05	<2.06E-05	<2.66E-05	<4.64E-05	<1.54E-05	<1.80E-05	<1.90E-05	<2.12E-05	<1.57E-05	<1.77E-05	<2.45E-05	<3.15E-05
T-110		<2.85E-05	<1.23E-05	<2.85E-05	<1.87E-05	<1.86E-05	<2.40E-05	<4.19E-05	<1.39E-05	<1.62E-05	<1.71E-05	<1.91E-05	<1.42E-05	<1.59E-05	<2.21E-05	<2.85E-05
T-111		<1.91E-04	<8.28E-05	<1.91E-04	<1.25E-04	<1.24E-04	<1.61E-04	<2.81E-04	<9.32E-05	<1.09E-04	<1.15E-04	<1.28E-04	<9.52E-05	<1.07E-04	<1.48E-04	<1.91E-04
T-112		<3.64E-05	<1.58E-05	<3.64E-05	<2.39E-05	<2.38E-05	<3.07E-05	<5.37E-05	<1.78E-05	<2.08E-05	<2.19E-05	<2.45E-05	<1.82E-05	<2.04E-05	<2.83E-05	<3.64E-05
T-113		<3.19E-05	<1.39E-05	<3.19E-05	<2.10E-05	<2.08E-05	<2.69E-05	<4.70E-05	<1.56E-05	<1.82E-05	<1.92E-05	<2.15E-05	<1.59E-05	<1.79E-05	<2.48E-05	<3.19E-05
T-114		<2.89E-05	<1.26E-05	<2.89E-05	<1.90E-05	<1.89E-05	<2.44E-05	<4.26E-05	<1.41E-05	<1.65E-05	<1.74E-05	<1.95E-05	<1.44E-05	<1.62E-05	<2.24E-05	<2.89E-05
T-201		<3.27E-05	<1.42E-05	<3.27E-05	<2.15E-05	<2.13E-05	<2.76E-05	<4.82E-05	<1.60E-05	<1.86E-05	<1.97E-05	<2.20E-05	<1.63E-05	<1.83E-05	<2.54E-05	<3.27E-05
T-202		<3.59E-05	<1.56E-05	<3.59E-05	<2.36E-05	<2.34E-05	<3.03E-05	<5.29E-05	<1.75E-05	<2.05E-05	<2.16E-05	<2.42E-05	<1.79E-05	<2.01E-05	<2.79E-05	<3.59E-05
T-203		<2.75E-05	<1.20E-05	<2.75E-05	<1.81E-05	<1.80E-05	<2.32E-05	<4.05E-05	<1.35E-05	<1.57E-05	<1.66E-05	<1.85E-05	<1.37E-05	<1.54E-05	<2.14E-05	<2.75E-05
T-204		<3.77E-05	<1.64E-05	<3.77E-05	<2.48E-05	<2.46E-05	<3.18E-05	<5.55E-05	<1.84E-05	<2.15E-05	<2.27E-05	<2.54E-05	<1.88E-05	<2.11E-05	<2.92E-05	<3.77E-05
T-205		<2.96E-05	<1.28E-05	<2.96E-05	<1.94E-05	<1.93E-05	<2.49E-05	<4.36E-05	<1.45E-05	<1.69E-05	<1.78E-05	<1.99E-05	<1.48E-05	<1.66E-05	<2.29E-05	<2.96E-05
T-206		<4.56E-05	<1.98E-05	<4.56E-05	<3.00E-05	<2.98E-05	<3.84E-05	<6.72E-05	<2.23E-05	<2.60E-05	<2.75E-05	<3.07E-05	<2.28E-05	<2.55E-05	<3.54E-05	<4.56E-05
T-207		<2.97E-05	<1.29E-05	<2.97E-05	<1.95E-05	<1.94E-05	<2.51E-05	<4.38E-05	<1.45E-05	<1.69E-05	<1.79E-05	<2.00E-05	<1.48E-05	<1.66E-05	<2.31E-05	<2.97E-05
T-208		<3.02E-05	<1.31E-05	<3.02E-05	<1.98E-05	<1.97E-05	<2.54E-05	<4.44E-05	<1.47E-05	<1.72E-05	<1.82E-05	<2.03E-05	<1.51E-05	<1.69E-05	<2.34E-05	<3.02E-05
T-209		<2.86E-05	<1.24E-05	<2.86E-05	<1.88E-05	<1.87E-05	<2.41E-05	<4.21E-05	<1.40E-05	<1.63E-05	<1.72E-05	<1.92E-05	<1.43E-05	<1.60E-05	<2.22E-05	<2.86E-05
T-210		<3.18E-05	<1.38E-05	<3.18E-05	<2.09E-05	<2.07E-05	<2.68E-05	<4.68E-05	<1.55E-05	<1.81E-05	<1.91E-05	<2.14E-05	<1.59E-05	<1.78E-05	<2.46E-05	<3.18E-05
T-211		<2.98E-05	<1.29E-05	<2.98E-05	<1.95E-05	<1.94E-05	<2.51E-05	<4.38E-05	<1.45E-05	<1.70E-05	<1.79E-05	<2.00E-05	<1.49E-05	<1.67E-05	<2.31E-05	<2.98E-05
T-212		<2.74E-05	<1.19E-05	<2.74E-05	<1.80E-05	<1.79E-05	<2.31E-05	<4.04E-05	<1.34E-05	<1.56E-05	<1.65E-05	<1.84E-05	<1.37E-05	<1.53E-05	<2.13E-05	<2.74E-05
T-213		<3.08E-05	<1.34E-05	<3.08E-05	<2.02E-05	<2.01E-05	<2.60E-05	<4.53E-05	<1.50E-05	<1.75E-05	<1.85E-05	<2.07E-05	<1.54E-05	<1.72E-05	<2.39E-05	<3.08E-05
T-214		<3.17E-05	<1.38E-05	<3.17E-05	<2.08E-05	<2.07E-05	<2.67E-05	<4.66E-05	<1.55E-05	<1.80E-05	<1.91E-05	<2.13E-05	<1.58E-05	<1.77E-05	<2.46E-05	<3.17E-05
T-301		<5.02E-05	<2.18E-05	<5.02E-05	<3.30E-05	<3.28E-05	<4.23E-05	<7.40E-05	<2.45E-05	<2.86E-05	<3.02E-05	<3.38E-05	<2.51E-05	<2.81E-05	<3.89E-05	<5.02E-05
T-302		<2.78E-05	<1.21E-05	<2.78E-05	<1.82E-05	<1.81E-05	<2.34E-05	<4.09E-05	<1.36E-05	<1.58E-05	<1.67E-05	<1.87E-05	<1.39E-05	<1.55E-05	<2.15E-05	<2.78E-05
T-303		<3.00E-05	<1.30E-05	<3.00E-05	<1.97E-05	<1.96E-05	<2.53E-05	<4.42E-05	<1.47E-05	<1.71E-05	<1.81E-05	<2.02E-05	<1.50E-05	<1.68E-05	<2.33E-05	<3.00E-05
T-304		<3.44E-05	<1.49E-05	<3.44E-05	<2.26E-05	<2.24E-05	<2.90E-05	<5.06E-05	<1.68E-05	<1.96E-05	<2.07E-05	<2.31E-05	<1.72E-05	<1.92E-05	<2.67E-05	<3.44E-05
T-305		<5.27E-05	<2.29E-05	<5.27E-05	<3.46E-05	<3.44E-05	<4.44E-05	<7.76E-05	<2.57E-05	<3.00E-05	<3.17E-05	<3.54E-05	<2.63E-05	<2.95E-05	<4.08E-05	<5.27E-05
T-306		<1.12E-04	<4.87E-05	<1.12E-04	<7.37E-05	<7.33E-05	<9.46E-05	<1.65E-04	<5.49E-05	<6.40E-05	<6.76E-05	<7.55E-05	<5.60E-05	<6.28E-05	<8.71E-05	<1.12E-04
T-307		<4.01E-05	<1.74E-05	<4.01E-05	<2.63E-05	<2.61E-05	<3.37E-05	<5.90E-05	<1.96E-05	<2.28E-05	<2.41E-05	<2.69E-05	<2.00E-05	<2.24E-05	<3.11E-05	<4.01E-05
T-308		<4.20E-05	<1.82E-05	<4.20E-05	<2.76E-05	<2.74E-05	<3.54E-05	<6.18E-05	<2.05E-05	<2.39E-05	<2.53E-05	<2.82E-05	<2.10E-05	<2.35E-05	<3.26E-05	<4.20E-05
T-309		<2.83E-05	<1.23E-05	<2.83E-05	<1.86E-05	<1.85E-05	<2.38E-05	<4.17E-05	<1.38E-05	<1.61E-05	<1.70E-05	<1.90E-05	<1.41E-05	<1.58E-05	<2.19E-05	<2.83E-05
T-310		<3.51E-05	<1.52E-05	<3.51E-05	<2.31E-05	<2.29E-05	<2.96E-05	<5.17E-05	<1.72E-05	<2.00E-05	<2.11E-05	<2.36E-05	<1.75E-05	<1.97E-05	<2.72E-05	<3.51E-05
T-311		<4.08E-05	<1.77E-05	<4.08E-05	<2.68E-05	<2.66E-05	<3.44E-05	<6.01E-05	<1.99E-05	<2.32E-05	<2.46E-05	<2.74E-05	<2.04E-05	<2.28E-05	<3.16E-05	<4.08E-05
T-312		<1.92E-04	<8.08E-05	<1.92E-04	<1.26E-04	<1.21E-04	<1.62E-04	<2.78E-04	<9.09E-05	<1.06E-04	<1.12E-04	<1.25E-04	<9.29E-05	<1.04E-04	<1.44E-04	<1.92E-04
T-313		<2.52E-05	<1.09E-05	<2.52E-05	<1.65E-05	<1.64E-05	<2.12E-05	<3.70E-05	<1.23E-05	<1.43E-05	<1.51E-05	<1.69E-05	<1.26E-05	<1.41E-05	<1.95E-05	<2.52E-05
T-314		<2.83E-05	<1.23E-05	<2.83E-05	<1.86E-05	<1.85E-05	<2.39E-05	<4.17E-05	<1.38E-05	<1.61E-05	<1.71E-05	<1.91E-05	<1.41E-05	<1.59E-05	<2.20E-05	<2.83E-05
T-401		<4.61E-05	<2.00E-05	<4.61E-05	<3.03E-05	<3.01E-05	<3.88E-05	<6.78E-05	<2.25E-05	<2.62E-05	<2.77E-05	<3.10E-05	<2.30E-05	<2.58E-05	<3.57E-05	<4.61E-05
T-402		<3.95E-05	<1.72E-05	<3.95E-05	<2.60E-05	<2.58E-05	<3.33E-05	<5.82E-05	<1.93E-05	<2.25E-05	<2.38E-05	<2.66E-05	<1.97E-05	<2.21E-05	<3.07E-05	<3.95E-05
T-403		<2.83E-05	<1.23E-05	<2.83E-05	<1.86E-05	<1.85E-05	<2.39E-05	<4.17E-05	<1.38E-05	<1.61E-05	<1.71E-05	<1.91E-05	<1.41E-05	<1.59E-05	<2.20E-05	<2.83E-05
T-404		<5.87E-05	<2.55E-05	<5.87E-05	<3.85E-05	<3.83E-05	<4.94E-05	<8.64E-05	<2.87E-05	<3.34E-05	<3.53E-05	<3.95E-05	<2.93E-05	<3.28E-05	<4.55E-05	<5.87E-05
T-405		<2.99E-05	<1.30E-05	<2.99E-05	<1.96E-05	<1.95E-05	<2.52E-05	<4.40E-05	<1.46E-05	<1.70E-05	<1.80E-05	<2.01E-05	<1.49E-05	<1.67E-05	<2.32E-05	<2.99E-05
T-406		<3.74E-05	<1.62E-05	<3.74E-05	<2.46E-05	<2.44E-05	<3.15E-05	<5.50E-05	<1.83E-05	<2.13E-05	<2.25E-05	<2.51E-05	<1.87E-05	<2.09E-05	<2.90E-05	<3.74E-05
T-407		<2.74E-05	<1.19E-05	<2.74E-05	<1.80E-05	<1.79E-05	<2.31E-05	<4.04E-05	<1.34E-05	<1.56E-05	<1.65E-05	<1.84E-05	<1.37E-05	<1.54E-05	<2.13E-05	<2.74E-05
T-408		<3.20E-05	<1.39E-05	<3.20E-05	<2.10E-05	<2.09E-05	<2.70E-05	<4.71E-05	<1.56E-05	<1.82E-05	<1.93E-05	<2.15E-05	<1.60E-05	<1.79E-05	<2.48E-05	<3.20E-05
T-409		<3.12E-05	<1.36E-05	<3.12E-05	<2.05E-05	<2.04E-05	<2.63E-05	<4.60E-05	<1.53E-05	<1.78E-05	<1.88E-05	<2.10E-05	<1.56E-05	<1.75E-05	<2.42E-05	<3.12E-05
T-410		<2.70E-05	<1.17E-05	<2.70E-05	<1.78E-05	<1.76E-05	<2.28E-05	<3.98E-05	<1.32E-05	<1.54E-05	<1.63E-05	<1.82E-05	<1.35E-05	<1.51E-05	<2.10E-05	<2.70E-05
T-501		<3.05E-05	<1.32E-05	<3.05E-05	<2.00E-05	<1.99E-05	<2.57E-05	<4.49E-05	<1.49E-05	<1.74E-05	<1.84E-05	<2.05E-05	<1.52E-05	<1.71E-05	<2.37E-05	<3.05E-05
T-502		<3.24E-05	<1.40E-05	<3.24E-05	<2.13E-05	<2.11E-05	<2.73E-05	<4.76E-05	<1.58E-05	<1.84E-05	<1.95E-05	<2.18E-05	<1.62E-05	<1.81E-05	<2.51E-05	<3.24E-05
T-503		<3.01E-05	<1.31E-05	<3.01E-05	<1.98E-05	<1.96E-05	<2.53E-05	<4.43E-05	<1.47E-05	<1.71E-05	<1.81E-05	<2.02E-05	<1.50E-05	<1.68E-05	<2.33E-05	<3.01E-05
T-504		<3.37E-05	<1.46E-05	<3.37E-05	<2.21E-05	<2.20E-05	<2.84E-05	<4.96E-05	<1.64E-05	<1.92E-05	<2.03E-05	<2.26E-05	<1.68E-05	<1.88E-05	<2.61E-05	<3.37E-05
T-505		<3.31E-05	<1.44E-05	<3.31E-05	<2.17E-05	<2.16E-05	<2.79E-05	<4.87E-05	<1.62E-05	<1.89E-05	<1.99E-05	<2.23E-05	<1.65E-05	<1.85E-05	<2.57E-05	<3.31E-05
T-506		<3.11E-05	<1.35E-05	<3.11E-05	<2.04E-05	<2.03E-05	<2.62E-05	<4.57E-05	<1.52E-05	<1.77E-05	<1.87E-05	<2.09E-05	<1.55E-05	<1.74E-05	<2.41E-05	<3.11E-05
T-507		<3.47E-05	<1.51E-05	<3.47E-05	<2.28E-05	<2.26E-05	<2.92E-05	<5.11E-05	<1.70E-05	<1.98E-05	<2.09E-05	<2.33E-05	<1.73E-05	<1.94E-05	<2.69E-05	<3.47E-05
T-508		<4.13E-05	<1.79E-05	<4.13E-05	<2.71E-05	<2.70E-05	<3.48E-05	<6.08E-05	<2.02E-05	<2.35E-05	<2.49E-05	<2.78E-05	<2.06E-05	<2.31E-05	<3.20E-05	<4.13E-05
T-509		<2.94E-05	<1.27E-05	<2.94E-05	<1.93E-05	<1.91E-05	<2.47E-05	<4.32E-05	<1.43E-05	<1.67E-05	<1.77E-05	<1.97E-05	<1.46E-05	<1.64E-05	<2.28E-05	<2.94E-05
T-510		<3.01E-05	<1.31E-05	<3.01E-05	<1.98E-05	<1.96E-05	<2.53E-05	<4.43E-05	<1.47E-05	<1.71E-05	<1.81E-05	<2.02E-05	<1.50E-05	<1.68E-05	<2.33E-05	<3.01E-05
T-601		<3.55E-05	<1.54E-05	<3.55E-05	<2.33E-05	<2.31E-05	<2.99E-05	<5.22E-05	<1.73E-05	<2.02E-05	<2.14E-05	<2.39E-05	<1.77E-05	<1.99E-05	<2.75E-05	<3.55E-05
T-602		<3.31E-05	<1.44E-05	<3.31E-05	<2.17E-05	<2.16E-05	<2.79E-05	<4.87E-05	<1.62E-05	<1.89E-05	<1.99E-05	<2.23E-05	<1.65E-05	<1.85E-05	<2.57E-05	<3.31E-05
T-603		<4.13E-05	<1.79E-05	<4.13E-05	<2.71E-05	<2.69E-05	<3.48E-05	<6.08E-05	<2.02E-05	<2.35E-05	<2.48E-05	<2.77E-05	<2.06E-05	<2.31E-05	<3.20E-05	<4.13E-05
T-604		<3.03E-05	<1.31E-05	<3.03E-05	<1.99E-05	<1.97E-05	<2.55E-05	<4.45E-05	<1.48E-05	<1.72E-05	<1.82E-05	<2.03E-05	<1.51E-05	<1.69E-05	<2.35E-05	<3.03E-05
T-605		<6.12E-05	<2.66E-05	<6.12E-05	<4.02E-05	<3.99E-05	<5.16E-05	<9.01E-05	<2.99E-05	<3.49E-05	<3.68E-05	<4.12E-05	<3.05E-05	<3.42E-05	<4.74E-05	<6.12E-05
T-606		<3.24E-05	<1.41E-05	<3.24E-05	<2.13E-05	<2.12E-05	<2.73E-05	<4.78E-05	<1.58E-05	<1.85E-05	<1.95E-05	<2.18E-05	<1.62E-05	<1.82E-05	<2.52E-05	<3.24E-05
T-607		<5.63E-05	<2.44E-05	<5.63E-05	<3.70E-05	<3.67E-05	<4.74E-05	<8.29E-05	<2.75E-05	<3.21E-05	<3.39E-05	<3.79E-05	<2.81E-05	<3.15E-05	<4.36E-05	<5.63E-05
T-608		<7.07E-05	<3.07E-05	<7.07E-05	<4.64E-05	<4.61E-05	<5.95E-05	<1.04E-04	<3.45E-05	<4.02E-05	<4.25E-05	<4.75E-05	<3.53E-05	<3.95E-05	<5.48E-05	<7.07E-05
T-609		<6.49E-05	<2.82E-05	<6.49E-05	<4.26E-05	<4.24E-05	<5.47E-05	<9.56E-05	<3.17E-05	<3.70E-05	<3.91E-05	<4.37E-05	<3.24E-05	<3.63E-05	<5.03E-05	<6.49E-05
T-610		<3.02E-05	<1.31E-05	<3.02E-05	<1.98E-05	<1.97E-05	<2.55E-05	<4.45E-05	<1.48E-05	<1.72E-05	<1.82E-05	<2.03E-05	<1.51E-05	<1.69E-05	<2.34E-05	<3.02E-05

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	2,2,4-Trimethylpentane	n-Heptane	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	Dibromochloromethane	1,2-Dibromoethane (EDB)
	CAS	540-84-1	142-82-5	78-87-5	123-91-1	74-95-3	75-27-4	80-62-6	108-10-1	10061-01-5	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4
	MW	114.2	100.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113	208.3	187.9
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	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
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	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	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
T-109		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
T-111		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
T-113		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
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	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	ND	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	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
T-211		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
T-213		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
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	ND	ND
T-303		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
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	ND
T-307		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
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	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
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	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	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
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-602		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-603		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-605		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-607		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-608		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-609		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Chiquita Canyon
TO-15 Compour

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

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	2,2,4-Trimethylpentane	n-Heptane	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	Dibromochloromethane	1,2-Dibromoethane (EDB)
	CAS	540-84-1	142-82-5	78-87-5	123-91-1	74-95-3	75-27-4	80-62-6	108-10-1	10061-01-5	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4
	MW	114.2	100.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113	208.3	187.9
Data Used (ug/l)																
T-101		<3.92E-01	<6.67E-01	<3.88E-01	<5.87E-01	<5.96E-01	<5.62E-01	<6.66E-01	<6.67E-01	<3.81E-01	<3.81E-01	<4.58E-01	<7.60E-01	<3.88E-01	<1.39E+00	<1.25E+00
T-102		<3.93E-01	<6.70E-01	<3.89E-01	<5.89E-01	<5.98E-01	<5.64E-01	<6.69E-01	<6.70E-01	<3.82E-01	<3.82E-01	<4.59E-01	<7.63E-01	<3.89E-01	<1.39E+00	<1.26E+00
T-103		<3.97E-01	<6.76E-01	<3.93E-01	<5.94E-01	<6.04E-01	<5.69E-01	<6.75E-01	<6.76E-01	<3.86E-01	<3.86E-01	<4.63E-01	<7.70E-01	<3.93E-01	<1.40E+00	<1.27E+00
T-104		<4.07E-01	<6.93E-01	<4.02E-01	<6.09E-01	<6.19E-01	<5.83E-01	<6.92E-01	<6.93E-01	<3.95E-01	<3.95E-01	<4.75E-01	<7.89E-01	<4.02E-01	<1.44E+00	<1.30E+00
T-105		<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00
T-106		<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00
T-107		<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00
T-108		<3.78E-01	<6.43E-01	<3.74E-01	<5.66E-01	<5.75E-01	<5.42E-01	<6.43E-01	<6.43E-01	<3.67E-01	<3.67E-01	<4.41E-01	<7.33E-01	<3.74E-01	<1.34E+00	<1.21E+00
T-109		<3.75E-01	<6.39E-01	<3.71E-01	<5.62E-01	<5.71E-01	<5.38E-01	<6.38E-01	<6.39E-01	<3.65E-01	<3.65E-01	<4.38E-01	<7.28E-01	<3.71E-01	<1.33E+00	<1.20E+00
T-110		<3.85E-01	<6.55E-01	<3.81E-01	<5.76E-01	<5.85E-01	<5.52E-01	<6.54E-01	<6.55E-01	<3.74E-01	<3.74E-01	<4.49E-01	<7.47E-01	<3.81E-01	<1.36E+00	<1.23E+00
T-111		<3.72E-01	<6.33E-01	<3.68E-01	<5.57E-01	<5.66E-01	<5.33E-01	<6.33E-01	<6.33E-01	<3.61E-01	<3.61E-01	<4.34E-01	<7.22E-01	<3.68E-01	<1.32E+00	<1.19E+00
T-112		<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00
T-113		<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00
T-114		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-201		<4.03E-01	<6.86E-01	<3.99E-01	<6.03E-01	<6.13E-01	<5.78E-01	<6.85E-01	<6.86E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.82E-01	<3.99E-01	<1.43E+00	<1.29E+00
T-202		<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00
T-203		<4.05E-01	<6.90E-01	<4.01E-01	<6.07E-01	<6.17E-01	<5.81E-01	<6.89E-01	<6.90E-01	<3.94E-01	<3.94E-01	<4.73E-01	<7.86E-01	<4.01E-01	<1.43E+00	<1.29E+00
T-204		<4.07E-01	<6.94E-01	<4.03E-01	<6.10E-01	<6.20E-01	<5.84E-01	<6.93E-01	<6.94E-01	<3.96E-01	<3.96E-01	<4.76E-01	<7.91E-01	<4.03E-01	<1.44E+00	<1.30E+00
T-205		<3.94E-01	<6.71E-01	<3.90E-01	<5.90E-01	<5.99E-01	<5.65E-01	<6.70E-01	<6.71E-01	<3.83E-01	<3.83E-01	<4.60E-01	<7.64E-01	<3.90E-01	<1.39E+00	<1.26E+00
T-206		<3.90E-01	<6.65E-01	<3.86E-01	<5.84E-01	<5.94E-01	<5.60E-01	<6.64E-01	<6.65E-01	<3.79E-01	<3.79E-01	<4.56E-01	<7.57E-01	<3.86E-01	<1.38E+00	<1.25E+00
T-207		<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00
T-208		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-209		<3.87E-01	<6.60E-01	<3.83E-01	<5.80E-01	<5.90E-01	<5.56E-01	<6.59E-01	<6.60E-01	<3.77E-01	<3.77E-01	<4.53E-01	<7.52E-01	<3.83E-01	<1.37E+00	<1.24E+00
T-210		<3.86E-01	<6.57E-01	<3.82E-01	<5.78E-01	<5.88E-01	<5.54E-01	<6.57E-01	<6.57E-01	<3.75E-01	<3.75E-01	<4.51E-01	<7.49E-01	<3.82E-01	<1.37E+00	<1.23E+00
T-211		<3.87E-01	<6.59E-01	<3.83E-01	<5.79E-01	<5.89E-01	<5.55E-01	<6.58E-01	<6.59E-01	<3.76E-01	<3.76E-01	<4.52E-01	<7.51E-01	<3.83E-01	<1.37E+00	<1.24E+00
T-212		<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00
T-213		<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00
T-214		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-301		<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00
T-302		<4.10E-01	<6.98E-01	<4.05E-01	<6.14E-01	<6.24E-01	<5.88E-01	<6.97E-01	<6.98E-01	<3.98E-01	<3.98E-01	<4.79E-01	<7.95E-01	<4.05E-01	<1.45E+00	<1.31E+00
T-303		<4.01E-01	<6.83E-01	<3.97E-01	<6.01E-01	<6.11E-01	<5.76E-01	<6.83E-01	<6.83E-01	<3.90E-01	<3.90E-01	<4.69E-01	<7.79E-01	<3.97E-01	<1.42E+00	<1.28E+00
T-304		<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00
T-305		<3.70E-01	<6.30E-01	<3.66E-01	<5.54E-01	<5.63E-01	<5.31E-01	<6.29E-01	<6.30E-01	<3.60E-01	<3.60E-01	<4.32E-01	<7.18E-01	<3.66E-01	<1.31E+00	<1.18E+00
T-306		<3.76E-01	<6.40E-01	<3.72E-01	<5.63E-01	<5.72E-01	<5.39E-01	<6.39E-01	<6.40E-01	<3.65E-01	<3.65E-01	<4.39E-01	<7.29E-01	<3.72E-01	<1.33E+00	<1.20E+00
T-307		<3.74E-01	<6.38E-01	<3.71E-01	<5.61E-01	<5.70E-01	<5.37E-01	<6.37E-01	<6.38E-01	<3.64E-01	<3.64E-01	<4.37E-01	<7.27E-01	<3.71E-01	<1.33E+00	<1.20E+00
T-308		<3.80E-01	<6.47E-01	<3.76E-01	<5.69E-01	<5.78E-01	<5.45E-01	<6.46E-01	<6.47E-01	<3.69E-01	<3.69E-01	<4.44E-01	<7.37E-01	<3.76E-01	<1.34E+00	<1.21E+00
T-309		<3.69E-01	<6.29E-01	<3.65E-01	<5.53E-01	<5.62E-01	<5.30E-01	<6.28E-01	<6.29E-01	<3.59E-01	<3.59E-01	<4.31E-01	<7.17E-01	<3.65E-01	<1.31E+00	<1.18E+00
T-310		<3.54E-01	<6.03E-01	<3.50E-01	<5.30E-01	<5.39E-01	<5.08E-01	<6.02E-01	<6.03E-01	<3.44E-01	<3.44E-01	<4.13E-01	<6.87E-01	<3.50E-01	<1.25E+00	<1.13E+00
T-311		<3.64E-01	<6.20E-01	<3.60E-01	<5.45E-01	<5.54E-01	<5.22E-01	<6.20E-01	<6.20E-01	<3.54E-01	<3.54E-01	<4.25E-01	<7.07E-01	<3.60E-01	<1.29E+00	<1.16E+00
T-312		<2.16E+00	<3.79E+00	<2.14E+00	<3.33E+00	<3.29E+00	<3.10E+00	<3.79E+00	<3.79E+00	<2.10E+00	<2.10E+00	<2.52E+00	<4.32E+00	<2.14E+00	<7.88E+00	<7.11E+00
T-313		<3.67E-01	<6.26E-01	<3.63E-01	<5.50E-01	<5.59E-01	<5.27E-01	<6.25E-01	<6.26E-01	<3.57E-01	<3.57E-01	<4.29E-01	<7.13E-01	<3.63E-01	<1.30E+00	<1.17E+00
T-314		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-401		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-402		<4.01E-01	<6.83E-01	<3.97E-01	<6.01E-01	<6.11E-01	<5.76E-01	<6.83E-01	<6.83E-01	<3.90E-01	<3.90E-01	<4.69E-01	<7.79E-01	<3.97E-01	<1.42E+00	<1.28E+00
T-403		<3.99E-01	<6.80E-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	<1.41E+00	<1.27E+00
T-404		<3.97E-01	<6.76E-01	<3.93E-01	<5.94E-01	<6.04E-01	<5.69E-01	<6.75E-01	<6.76E-01	<3.86E-01	<3.86E-01	<4.63E-01	<7.70E-01	<3.93E-01	<1.40E+00	<1.27E+00
T-405		<3.86E-01	<6.57E-01	<3.82E-01	<5.78E-01	<5.88E-01	<5.54E-01	<6.57E-01	<6.57E-01	<3.75E-01	<3.75E-01	<4.51E-01	<7.49E-01	<3.82E-01	<1.37E+00	<1.23E+00
T-406		<3.89E-01	<6.62E-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	<1.38E+00	<1.24E+00
T-407		<3.92E-01	<6.67E-01	<3.88E-01	<5.87E-01	<5.96E-01	<5.62E-01	<6.66E-01	<6.67E-01	<3.81E-01	<3.81E-01	<4.58E-01	<7.60E-01	<3.88E-01	<1.39E+00	<1.25E+00
T-408		<3.94E-01	<6.71E-01	<3.90E-01	<5.90E-01	<5.99E-01	<5.65E-01	<6.70E-01	<6.71E-01	<3.83E-01	<3.83E-01	<4.60E-01	<7.64E-01	<3.90E-01	<1.39E+00	<1.26E+00
T-409		<3.94E-01	<6.71E-01	<3.90E-01	<5.90E-01	<5.99E-01	<5.65E-01	<6.70E-01	<6.71E-01	<3.83E-01	<3.83E-01	<4.60E-01	<7.64E-01	<3.90E-01	<1.39E+00	<1.26E+00
T-410		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-501		<4.02E-01	<6.85E-01	<3.98E-01	<6.02E-01	<6.12E-01	<5.77E-01	<6.84E-01	<6.85E-01	<3.91E-01	<3.91E-01	<4.70E-01	<7.80E-01	<3.98E-01	<1.42E+00	<1.28E+00
T-502		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-503		<4.00E-01	<6.81E-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	<1.42E+00	<1.28E+00
T-504		<4.01E-01	<6.83E-01	<3.97E-01	<6.01E-01	<6.11E-01	<5.76E-01	<6.83E-01	<6.83E-01	<3.90E-01	<3.90E-01	<4.69E-01	<7.79E-01	<3.97E-01	<1.42E+00	<1.28E+00
T-505		<3.93E-01	<6.70E-01	<3.89E-01	<5.89E-01	<5.98E-01	<5.64E-01	<6.69E-01	<6.70E-01	<3.82E-01	<3.82E-01	<4.59E-01	<7.63E-01	<3.89E-01	<1.39E+00	<1.26E+00
T-506		<3.95E-01	<6.72E-01	<3.90E-01	<5.91E-01	<6.01E-01	<5.66E-01	<6.71E-01	<6.72E-01	<3.84E-01	<3.84E-01	<4.61E-01	<7.66E-01	<3.90E-01	<1.40E+00	<1.26E+00
T-507		<3.95E-01	<6.72E-01	<3.90E-01	<5.91E-01	<6.01E-01	<5.66E-01	<6.71E-01	<6.72E-01	<3.84E-01	<3.84E-01	<4.61E-01	<7.66E-01	<3.90E-01	<1.40E+00	<1.26E+00
T-508		<3.95E-01	<6.73E-01	<3.91E-01	<5.92E-01	<6.02E-01	<5.67E-01	<6.73E-01	<6.73E-01	<3.84E-01	<3.84E-01	<4.62E-01	<7.67E-01	<3.91E-01	<1.40E+00	<1.26E+00
T-509		<3.95E-01	<6.73E-01	<3.91E-01	<5.92E-01	<6.02E-01	<5.67E-01	<6.73E-01	<6.73E-01	<3.84E-01	<3.84E-01	<4.62E-01	<7.67E-01	<3.91E-01	<1.40E+00	<1.26E+00
T-510		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00
T-601		<4.07E-01	<6.93E-01	<4.02E-01	<6.09E-01	<6.19E-01	<5.83E-01	<6.92E-01	<6.93E-01	<3.95E-01	<3.95E-01	<4.75E-01	<7.89E-01	<4.02E-01	<1.44E+00	<1.30E+00
T-602		<4.06E-01	<6.91E-01	<4.02E-01	<6.08E-01	<6.18E-01	<5.82E-01	<6.91E-01	<6.91E-01	<3.94E-01	<3.94E-01	<4.74E-01	<7.88E-01	<4.02E-01	<1.44E+00	<1.30E+00
T-603		<4.05E-01	<6.90E-01	<4.01E-01	<6.07E-01	<6.17E-01	<5.81E-01	<6.89E-01	<6.90E-01	<3.94E-01	<3.94E-01	<4.73E-01	<7.86E-01	<4.01E-01	<1.43E+00	<1.29E+00
T-604		<4.06E-01	<6.91E-01	<4.02E-01	<6.08E-01	<6.18E-01	<5.82E-01	<6.91E-01	<6.91E-01	<3.94E-01	<3.94E-01	<4.74E-01	<7.88E-01	<4.02E-01	<1.44E+00	<1.30E+00
T-605		<3.87E-01	<6.60E-01	<3.83E-01	<5.80E-01	<5.90E-01	<5.56E-01	<6.59E-01	<6.60E-01	<3.77E-01	<3.77E-01	<4.53E-01	<7.52E-01	<3.83E-01	<1.37E+00	<1.24E+00
T-606		<3.95E-01	<6.73E-01	<3.91E-01	<5.92E-01	<6.02E-01	<5.67E-01	<6.73E-01	<6.73E-01	<3.84E-01	<3.84E-01	<4.62E-01	<7.67E-01	<3.91E-01	<1.40E+00	<1.26E+00
T-607		<3.84E-01	<6.54E-01	<3.80E-01	<5.75E-01	<5.84E-01	<5.51E-01	<6.53E-01	<6.54E-01	<3.73E-01	<3.73E-01	<4.48E-01	<7.45E-01	<3.80E-01	<1.36E+00	<1.23E+00
T-608		<3.95E-01	<6.72E-01	<3.90E-01	<5.91E-01	<6.01E-01	<5.66E-01	<6.71E-01	<6.72E-01	<3.84E-01	<3.84E-01	<4.61E-01	<7.66E-01	<3.90E-01	<1.40E+00	<1.26E+00
T-609		<3.95E-01	<6.72E-01	<3.90E-01	<5.91E-01	<6.01E-01	<5.66E-01	<6.71E-01	<6.72E-01	<3.84E-01	<3.84E-01	<4.61E-01	<7.66E-01	<3.90E-01	<1.40E+00	<1.26E+00
T-610		<3.98E-01	<6.78E-01	<3.94E-01	<5.96E-01	<6.06E-01	<5.71E-01	<6.78E-01	<6.78E-01	<3.87E-01	<3.87E-01	<4.65E-01	<7.73E-01	<3.94E-01	<1.41E+00	<1.27E+00

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	2,2,4-Trimethylpentane	n-Heptane	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	Dibromochloromethane	1,2-Dibromoethane (EDB)
	CAS	540-84-1	142-82-5	78-87-5	123-91-1	74-95-3	75-27-4	80-62-6	108-10-1	10061-01-5	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4
	MW	114.2	100.2	113	88.1	173.83	163.8	100.1	100.2	111	111	133.4	114.2	113	208.3	187.9
Flux (mg/m2-mi																
T-101		<3.51E-05	<5.98E-05	<3.48E-05	<5.26E-05	<5.35E-05	<5.04E-05	<5.98E-05	<5.98E-05	<3.41E-05	<3.41E-05	<4.10E-05	<6.82E-05	<3.48E-05	<1.24E-04	<1.12E-04
T-102		<2.21E-05	<3.76E-05	<2.19E-05	<3.31E-05	<3.36E-05	<3.17E-05	<3.76E-05	<3.76E-05	<2.15E-05	<2.15E-05	<2.58E-05	<4.29E-05	<2.19E-05	<7.82E-05	<7.06E-05
T-103		<3.00E-05	<5.11E-05	<2.97E-05	<4.49E-05	<4.57E-05	<4.30E-05	<5.10E-05	<5.11E-05	<2.92E-05	<2.92E-05	<3.50E-05	<5.82E-05	<2.97E-05	<1.06E-04	<9.58E-05
T-104		<1.93E-05	<3.29E-05	<1.91E-05	<2.89E-05	<2.94E-05	<2.77E-05	<3.29E-05	<3.29E-05	<1.88E-05	<1.88E-05	<2.26E-05	<3.75E-05	<1.91E-05	<6.84E-05	<6.17E-05
T-105		<1.67E-05	<2.84E-05	<1.65E-05	<2.50E-05	<2.54E-05	<2.40E-05	<2.84E-05	<2.84E-05	<1.62E-05	<1.62E-05	<1.95E-05	<3.24E-05	<1.65E-05	<5.91E-05	<5.33E-05
T-106		<1.84E-05	<3.13E-05	<1.82E-05	<2.75E-05	<2.80E-05	<2.64E-05	<3.13E-05	<3.13E-05	<1.79E-05	<1.79E-05	<2.15E-05	<3.57E-05	<1.82E-05	<6.51E-05	<5.87E-05
T-107		<2.43E-05	<4.13E-05	<2.40E-05	<3.64E-05	<3.70E-05	<3.48E-05	<4.13E-05	<4.13E-05	<2.36E-05	<2.36E-05	<2.84E-05	<4.71E-05	<2.40E-05	<8.59E-05	<7.75E-05
T-108		<5.83E-05	<9.93E-05	<5.77E-05	<8.73E-05	<8.87E-05	<8.36E-05	<9.92E-05	<9.93E-05	<5.67E-05	<5.67E-05	<6.81E-05	<1.13E-04	<5.77E-05	<2.06E-04	<1.86E-04
T-109		<1.82E-05	<3.09E-05	<1.80E-05	<2.72E-05	<2.76E-05	<2.60E-05	<3.09E-05	<3.09E-05	<1.77E-05	<1.77E-05	<2.12E-05	<3.53E-05	<1.80E-05	<6.43E-05	<5.80E-05
T-110		<1.64E-05	<2.79E-05	<1.62E-05	<2.45E-05	<2.49E-05	<2.35E-05	<2.79E-05	<2.79E-05	<1.59E-05	<1.59E-05	<1.91E-05	<3.18E-05	<1.62E-05	<5.80E-05	<5.23E-05
T-111		<1.10E-04	<1.87E-04	<1.09E-04	<1.64E-04	<1.67E-04	<1.57E-04	<1.87E-04	<1.87E-04	<1.07E-04	<1.07E-04	<1.28E-04	<2.13E-04	<1.09E-04	<3.89E-04	<3.51E-04
T-112		<2.10E-05	<3.57E-05	<2.08E-05	<3.14E-05	<3.19E-05	<3.01E-05	<3.57E-05	<3.57E-05	<2.04E-05	<2.04E-05	<2.45E-05	<4.07E-05	<2.08E-05	<7.43E-05	<6.70E-05
T-113		<1.84E-05	<3.13E-05	<1.82E-05	<2.75E-05	<2.80E-05	<2.64E-05	<3.13E-05	<3.13E-05	<1.79E-05	<1.79E-05	<2.15E-05	<3.57E-05	<1.82E-05	<6.51E-05	<5.87E-05
T-114		<1.67E-05	<2.84E-05	<1.65E-05	<2.49E-05	<2.53E-05	<2.39E-05	<2.83E-05	<2.84E-05	<1.62E-05	<1.62E-05	<1.95E-05	<3.23E-05	<1.65E-05	<5.90E-05	<5.32E-05
T-201		<1.88E-05	<3.21E-05	<1.86E-05	<2.82E-05	<2.87E-05	<2.70E-05	<3.21E-05	<3.21E-05	<1.83E-05	<1.83E-05	<2.20E-05	<3.66E-05	<1.86E-05	<6.67E-05	<6.02E-05
T-202		<2.07E-05	<3.52E-05	<2.05E-05	<3.10E-05	<3.15E-05	<2.97E-05	<3.52E-05	<3.52E-05	<2.01E-05	<2.01E-05	<2.42E-05	<4.01E-05	<2.05E-05	<7.32E-05	<6.61E-05
T-203		<1.59E-05	<2.70E-05	<1.57E-05	<2.37E-05	<2.41E-05	<2.27E-05	<2.70E-05	<2.70E-05	<1.54E-05	<1.54E-05	<1.85E-05	<3.08E-05	<1.57E-05	<5.61E-05	<5.06E-05
T-204		<2.17E-05	<3.70E-05	<2.15E-05	<3.25E-05	<3.30E-05	<3.11E-05	<3.69E-05	<3.70E-05	<2.11E-05	<2.11E-05	<2.54E-05	<4.21E-05	<2.15E-05	<7.69E-05	<6.93E-05
T-205		<1.70E-05	<2.90E-05	<1.69E-05	<2.55E-05	<2.59E-05	<2.44E-05	<2.90E-05	<2.90E-05	<1.66E-05	<1.66E-05	<1.99E-05	<3.31E-05	<1.69E-05	<6.03E-05	<5.44E-05
T-206		<2.63E-05	<4.47E-05	<2.60E-05	<3.93E-05	<4.00E-05	<3.77E-05	<4.47E-05	<4.47E-05	<2.55E-05	<2.55E-05	<3.07E-05	<5.10E-05	<2.60E-05	<9.30E-05	<8.39E-05
T-207		<1.71E-05	<2.92E-05	<1.69E-05	<2.56E-05	<2.61E-05	<2.46E-05	<2.91E-05	<2.92E-05	<1.66E-05	<1.66E-05	<2.00E-05	<3.32E-05	<1.69E-05	<6.06E-05	<5.47E-05
T-208		<1.74E-05	<2.96E-05	<1.72E-05	<2.60E-05	<2.64E-05	<2.49E-05	<2.96E-05	<2.96E-05	<1.69E-05	<1.69E-05	<2.03E-05	<3.37E-05	<1.72E-05	<6.15E-05	<5.55E-05
T-209		<1.65E-05	<2.80E-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	<5.83E-05	<5.26E-05
T-210		<1.83E-05	<3.12E-05	<1.81E-05	<2.74E-05	<2.79E-05	<2.62E-05	<3.11E-05	<3.12E-05	<1.78E-05	<1.78E-05	<2.14E-05	<3.55E-05	<1.81E-05	<6.48E-05	<5.84E-05
T-211		<1.71E-05	<2.92E-05	<1.70E-05	<2.57E-05	<2.61E-05	<2.46E-05	<2.92E-05	<2.92E-05	<1.67E-05	<1.67E-05	<2.00E-05	<3.33E-05	<1.70E-05	<6.07E-05	<5.47E-05
T-212		<1.58E-05	<2.69E-05	<1.56E-05	<2.36E-05	<2.40E-05	<2.27E-05	<2.69E-05	<2.69E-05	<1.53E-05	<1.53E-05	<1.84E-05	<3.07E-05	<1.56E-05	<5.59E-05	<5.04E-05
T-213		<1.77E-05	<3.02E-05	<1.75E-05	<2.66E-05	<2.70E-05	<2.54E-05	<3.02E-05	<3.02E-05	<1.72E-05	<1.72E-05	<2.07E-05	<3.44E-05	<1.75E-05	<6.28E-05	<5.66E-05
T-214		<1.82E-05	<3.11E-05	<1.80E-05	<2.73E-05	<2.78E-05	<2.62E-05	<3.10E-05	<3.11E-05	<1.77E-05	<1.77E-05	<2.13E-05	<3.54E-05	<1.80E-05	<6.46E-05	<5.83E-05
T-301		<2.89E-05	<4.93E-05	<2.86E-05	<4.33E-05	<4.40E-05	<4.15E-05	<4.92E-05	<4.93E-05	<2.81E-05	<2.81E-05	<3.38E-05	<5.61E-05	<2.86E-05	<1.02E-04	<9.24E-05
T-302		<1.60E-05	<2.72E-05	<1.58E-05	<2.40E-05	<2.43E-05	<2.29E-05	<2.72E-05	<2.72E-05	<1.55E-05	<1.55E-05	<1.87E-05	<3.10E-05	<1.58E-05	<5.66E-05	<5.11E-05
T-303		<1.73E-05	<2.94E-05	<1.71E-05	<2.59E-05	<2.63E-05	<2.48E-05	<2.94E-05	<2.94E-05	<1.68E-05	<1.68E-05	<2.02E-05	<3.36E-05	<1.71E-05	<6.12E-05	<5.52E-05
T-304		<1.98E-05	<3.37E-05	<1.96E-05	<2.96E-05	<3.01E-05	<2.84E-05	<3.37E-05	<3.37E-05	<1.92E-05	<1.92E-05	<2.31E-05	<3.84E-05	<1.96E-05	<7.01E-05	<6.32E-05
T-305		<3.03E-05	<5.17E-05	<3.00E-05	<4.54E-05	<4.62E-05	<4.35E-05	<5.16E-05	<5.17E-05	<2.95E-05	<2.95E-05	<3.54E-05	<5.89E-05	<3.00E-05	<1.07E-04	<9.69E-05
T-306		<6.46E-05	<1.10E-04	<6.40E-05	<9.68E-05	<9.84E-05	<9.27E-05	<1.10E-04	<1.10E-04	<6.28E-05	<6.28E-05	<7.55E-05	<1.25E-04	<6.40E-05	<2.29E-04	<2.06E-04
T-307		<2.31E-05	<3.93E-05	<2.28E-05	<3.45E-05	<3.51E-05	<3.31E-05	<3.92E-05	<3.93E-05	<2.24E-05	<2.24E-05	<2.69E-05	<4.48E-05	<2.28E-05	<8.16E-05	<7.36E-05
T-308		<2.42E-05	<4.12E-05	<2.39E-05	<3.62E-05	<3.68E-05	<3.47E-05	<4.11E-05	<4.12E-05	<2.35E-05	<2.35E-05	<2.82E-05	<4.69E-05	<2.39E-05	<8.56E-05	<7.72E-05
T-309		<1.63E-05	<2.78E-05	<1.61E-05	<2.44E-05	<2.48E-05	<2.34E-05	<2.77E-05	<2.78E-05	<1.58E-05	<1.58E-05	<1.90E-05	<3.16E-05	<1.61E-05	<5.77E-05	<5.20E-05
T-310		<2.02E-05	<3.44E-05	<2.00E-05	<3.03E-05	<3.08E-05	<2.90E-05	<3.44E-05	<3.44E-05	<1.97E-05	<1.97E-05	<2.36E-05	<3.93E-05	<2.00E-05	<7.16E-05	<6.46E-05
T-311		<2.35E-05	<4.00E-05	<2.32E-05	<3.52E-05	<3.58E-05	<3.37E-05	<4.00E-05	<4.00E-05	<2.28E-05	<2.28E-05	<2.74E-05	<4.56E-05	<2.32E-05	<8.32E-05	<7.50E-05
T-312		<1.07E-04	<1.88E-04	<1.06E-04	<1.65E-04	<1.63E-04	<1.54E-04	<1.88E-04	<1.88E-04	<1.04E-04	<1.04E-04	<1.25E-04	<2.14E-04	<1.06E-04	<3.91E-04	<3.53E-04
T-313		<1.45E-05	<2.47E-05	<1.43E-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	<2.81E-05	<1.43E-05	<5.13E-05	<4.63E-05
T-314		<1.63E-05	<2.78E-05	<1.61E-05	<2.44E-05	<2.48E-05	<2.34E-05	<2.78E-05	<2.78E-05	<1.59E-05	<1.59E-05	<1.91E-05	<3.17E-05	<1.61E-05	<5.78E-05	<5.21E-05
T-401		<2.65E-05	<4.52E-05	<2.62E-05	<3.97E-05	<4.04E-05	<3.80E-05	<4.51E-05	<4.52E-05	<2.58E-05	<2.58E-05	<3.10E-05	<5.15E-05	<2.62E-05	<9.39E-05	<8.47E-05
T-402		<2.28E-05	<3.88E-05	<2.25E-05	<3.41E-05	<3.46E-05	<3.26E-05	<3.87E-05	<3.88E-05	<2.21E-05	<2.21E-05	<2.66E-05	<4.42E-05	<2.25E-05	<8.06E-05	<7.27E-05
T-403		<1.63E-05	<2.78E-05	<1.61E-05	<2.44E-05	<2.48E-05	<2.34E-05	<2.78E-05	<2.78E-05	<1.59E-05	<1.59E-05	<1.91E-05	<3.17E-05	<1.61E-05	<5.78E-05	<5.21E-05
T-404		<3.38E-05	<5.75E-05	<3.34E-05	<5.06E-05	<5.14E-05	<4.85E-05	<5.75E-05	<5.75E-05	<3.28E-05	<3.28E-05	<3.95E-05	<6.56E-05	<3.34E-05	<1.20E-04	<1.08E-04
T-405		<1.72E-05	<2.93E-05	<1.70E-05	<2.58E-05	<2.62E-05	<2.47E-05	<2.93E-05	<2.93E-05	<1.67E-05	<1.67E-05	<2.01E-05	<3.34E-05	<1.70E-05	<6.10E-05	<5.50E-05
T-406		<2.15E-05	<3.67E-05	<2.13E-05	<3.22E-05	<3.28E-05	<3.09E-05	<3.66E-05	<3.67E-05	<2.09E-05	<2.09E-05	<2.51E-05	<4.18E-05	<2.13E-05	<7.62E-05	<6.88E-05
T-407		<1.58E-05	<2.69E-05	<1.56E-05	<2.36E-05	<2.40E-05	<2.27E-05	<2.69E-05	<2.69E-05	<1.54E-05	<1.54E-05	<1.84E-05	<3.07E-05	<1.56E-05	<5.59E-05	<5.04E-05
T-408		<1.84E-05	<3.14E-05	<1.82E-05	<2.76E-05	<2.81E-05	<2.64E-05	<3.14E-05	<3.14E-05	<1.79E-05	<1.79E-05	<2.15E-05	<3.58E-05	<1.82E-05	<6.52E-05	<5.89E-05
T-409		<1.80E-05	<3.06E-05	<1.78E-05	<2.69E-05	<2.74E-05	<2.58E-05	<3.06E-05	<3.06E-05	<1.75E-05	<1.75E-05	<2.10E-05	<3.49E-05	<1.78E-05	<6.37E-05	<5.74E-05
T-410		<1.56E-05	<2.65E-05	<1.54E-05	<2.33E-05	<2.37E-05	<2.23E-05	<2.65E-05	<2.65E-05	<1.51E-05	<1.51E-05	<1.82E-05	<3.02E-05	<1.54E-05	<5.51E-05	<4.97E-05
T-501		<1.76E-05	<2.99E-05	<1.74E-05	<2.63E-05	<2.67E-05	<2.52E-05	<2.99E-05	<2.99E-05	<1.71E-05	<1.71E-05	<2.05E-05	<3.41E-05	<1.74E-05	<6.22E-05	<5.61E-05
T-502		<1.86E-05	<3.17E-05	<1.84E-05	<2.79E-05	<2.84E-05	<2.67E-05	<3.17E-05	<3.17E-05	<1.81E-05	<1.81E-05	<2.18E-05	<3.62E-05	<1.84E-05	<6.60E-05	<5.95E-05
T-503		<1.73E-05	<2.95E-05	<1.71E-05	<2.59E-05	<2.64E-05	<2.48E-05	<2.95E-05	<2.95E-05	<1.68E-05	<1.68E-05	<2.02E-05	<3.36E-05	<1.71E-05	<6.13E-05	<5.53E-05
T-504		<1.94E-05	<3.30E-05	<1.92E-05	<2.90E-05	<2.95E-05	<2.78E-05	<3.30E-05	<3.30E-05	<1.88E-05	<1.88E-05	<2.26E-05	<3.76E-05	<1.92E-05	<6.86E-05	<6.19E-05
T-505		<1.91E-05	<3.25E-05	<1.89E-05	<2.85E-05	<2.90E-05	<2.73E-05	<3.24E-05	<3.25E-05	<1.85E-05	<1.85E-05	<2.23E-05	<3.70E-05	<1.89E-05	<6.75E-05	<6.09E-05
T-506		<1.79E-05	<3.05E-05	<1.77E-05	<2.68E-05	<2.72E-05	<2.57E-05	<3.04E-05	<3.05E-05	<1.74E-05	<1.74E-05	<2.09E-05	<3.47E-05	<1.77E-05	<6.33E-05	<5.71E-05
T-507		<2.00E-05	<3.40E-05	<1.98E-05	<2.99E-05	<3.04E-05	<2.87E-05	<3.40E-05	<3.40E-05	<1.94E-05	<1.94E-05	<2.33E-05	<3.88E-05	<1.98E-05	<7.07E-05	<6.38E-05
T-508		<2.38E-05	<4.05E-05	<2.35E-05	<3.56E-05	<3.62E-05	<3.41E-05	<4.05E-05	<4.05E-05	<2.31E-05	<2.31E-05	<2.78E-05	<4.62E-05	<2.35E-05	<8.42E-05	<7.60E-05
T-509		<1.69E-05	<2.88E-05	<1.67E-05	<2.53E-05	<2.57E-05	<2.42E-05	<2.88E-05	<2.88E-05	<1.64E-05	<1.64E-05	<1.97E-05	<3.28E-05	<1.67E-05	<5.98E-05	<5.40E-05
T-510		<1.73E-05	<2.95E-05	<1.71E-05	<2.59E-05	<2.64E-05	<2.48E-05	<2.95E-05	<2.95E-05	<1.68E-05	<1.68E-05	<2.02E-05	<3.36E-05	<1.71E-05	<6.13E-05	<5.53E-05
T-601		<2.04E-05	<3.48E-05	<2.02E-05	<3.06E-05	<3.11E-05	<2.93E-05	<3.48E-05	<3.48E-05	<1.99E-05	<1.99E-05	<2.39E-05	<3.97E-05	<2.02E-05	<7.23E-05	<6.53E-05
T-602		<1.91E-05	<3.25E-05	<1.89E-05	<2.85E-05	<2.90E-05	<2.73E-05	<3.24E-05	<3.25E-05	<1.85E-05	<1.85E-05	<2.23E-05	<3.70E-05	<1.89E-05	<6.75E-05	<6.09E-05
T-603		<2.38E-05	<4.05E-05	<2.35E-05	<3.56E-05	<3.62E-05	<3.41E-05	<4.04E-05	<4.05E-05	<2.31E-05	<2.31E-05	<2.77E-05	<4.61E-05	<2.35E-05	<8.41E-05	<7.59E-05
T-604		<1.74E-05	<2.97E-05	<1.72E-05	<2.61E-05	<2.65E-05	<2.50E-05	<2.96E-05	<2.97E-05	<1.69E-05	<1.69E-05	<2.03E-05	<3.38E-05	<1.72E-05	<6.17E-05	<5.56E-05
T-605		<3.52E-05	<6.00E-05	<3.49E-05	<5.28E-05	<5.36E-05	<5.05E-05	<5.99E-05	<6.00E-05	<3.42E-05	<3.42E-05	<4.12E-05	<6.84E-05	<3.49E-05	<1.25E-04	<1.13E-04
T-606		<1.87E-05	<3.18E-05	<1.85E-05	<2.80E-05	<2.84E-05	<2.68E-05	<3.18E-05	<3.18E-05	<1.82E-05	<1.82E-05	<2.18E-05	<3.63E-05	<1.85E-05	<6.61E-05	<5.97E-05
T-607		<3.24E-05	<5.52E-05	<3.21E-05	<4.85E-05	<4.93E-05	<4.65E-05	<5.51E-05	<5.52E-05	<3.15E-05	<3.15E-05	<3.79E-05	<6.29E-05	<3.21E-05	<1.15E-04	<1.04E-04
T-608		<4.07E-05	<6.93E-05	<4.02E-05	<6.09E-05	<6.19E-05	<5.83E-05	<6.92E-05	<6.93E-05	<3.95E-05	<3.95E-05	<4.75E-05	<7.89E-05	<4.02E-05	<1.44E-04	<1.30E-04
T-609		<3.74E-05	<6.37E-05	<3.70E-05	<5.60E-05	<5.69E-05	<5.36E-05	<6.36E-05	<6.37E-05	<3.63E-05	<3.63E-05	<4.37E-05	<7.26E-05	<3.70E-05	<1.32E-04	<1.19E-04
T-610		<1.74E-05	<2.96E-05	<1.72E-05	<2.61E-05	<2.65E-05	<2.50E-05	<2.96E-05	<2.96E-05	<1.69E-05	<1.69E-05	<2.03E-05	<3.38E-05	<1.72E-05	<6.16E-05	<5.56E-05

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene
	CAS	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8
	MW	112.6	167.8	252.7	167.8	147.4	125	120.2	120.2	134.2	134.2	134.2	147	126.6	147	134.2
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	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
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	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	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
T-109		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
T-111		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
T-113		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
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	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	ND	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	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
T-211		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
T-213		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
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	ND	ND
T-303		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
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	ND
T-307		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
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	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
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	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	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
T-410		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507		ND	ND	ND	ND	ND	ND	ND	ND	ND	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		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-601		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-602		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-603		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-604		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-605		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-606		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-607		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-608		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-609		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-610		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Chiquita Canyon
TO-15 Compour

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

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene
	CAS	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8
	MW	112.6	167.8	252.7	167.8	147.4	125	120.2	120.2	134.2	134.2	134.2	147	126.6	147	134.2
Data Used (ug/l)																
T-101		<7.50E-01	<1.12E+00	<1.68E+00	<2.27E+00	<1.99E+00	<1.69E+00	<1.62E+00	<1.62E+00	<1.81E+00	<1.81E+00	<1.81E+00	<1.99E+00	<1.71E+00	<1.99E+00	<1.81E+00
T-102		<7.52E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<1.99E+00	<1.72E+00	<1.99E+00	<1.82E+00
T-103		<7.59E-01	<1.13E+00	<1.70E+00	<2.30E+00	<2.02E+00	<1.71E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.84E+00
T-104		<7.78E-01	<1.16E+00	<1.75E+00	<2.35E+00	<2.07E+00	<1.75E+00	<1.69E+00	<1.69E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.06E+00	<1.78E+00	<2.06E+00	<1.88E+00
T-105		<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-106		<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-107		<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-108		<7.23E-01	<1.08E+00	<1.62E+00	<2.19E+00	<1.92E+00	<1.63E+00	<1.57E+00	<1.57E+00	<1.75E+00	<1.75E+00	<1.75E+00	<1.92E+00	<1.65E+00	<1.92E+00	<1.75E+00
T-109		<7.18E-01	<1.07E+00	<1.61E+00	<2.17E+00	<1.91E+00	<1.62E+00	<1.56E+00	<1.56E+00	<1.74E+00	<1.74E+00	<1.74E+00	<1.90E+00	<1.64E+00	<1.90E+00	<1.74E+00
T-110		<7.36E-01	<1.10E+00	<1.65E+00	<2.23E+00	<1.96E+00	<1.66E+00	<1.60E+00	<1.60E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-111		<7.12E-01	<1.06E+00	<1.60E+00	<2.15E+00	<1.89E+00	<1.60E+00	<1.54E+00	<1.54E+00	<1.72E+00	<1.72E+00	<1.72E+00	<1.89E+00	<1.62E+00	<1.89E+00	<1.72E+00
T-112		<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-113		<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-114		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-201		<7.71E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.05E+00	<1.74E+00	<1.67E+00	<1.67E+00	<1.87E+00	<1.87E+00	<1.87E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.87E+00
T-202		<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-203		<7.75E-01	<1.16E+00	<1.74E+00	<2.35E+00	<2.06E+00	<1.75E+00	<1.68E+00	<1.68E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.05E+00	<1.77E+00	<2.05E+00	<1.88E+00
T-204		<7.80E-01	<1.16E+00	<1.75E+00	<2.36E+00	<2.07E+00	<1.76E+00	<1.69E+00	<1.69E+00	<1.89E+00	<1.89E+00	<1.89E+00	<2.07E+00	<1.78E+00	<2.07E+00	<1.89E+00
T-205		<7.54E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.82E+00
T-206		<7.47E-01	<1.11E+00	<1.68E+00	<2.26E+00	<1.99E+00	<1.68E+00	<1.62E+00	<1.62E+00	<1.81E+00	<1.81E+00	<1.81E+00	<1.98E+00	<1.70E+00	<1.98E+00	<1.81E+00
T-207		<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-208		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-209		<7.41E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.61E+00	<1.61E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.97E+00	<1.69E+00	<1.97E+00	<1.79E+00
T-210		<7.39E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.96E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-211		<7.40E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-212		<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-213		<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-214		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-301		<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-302		<7.84E-01	<1.17E+00	<1.76E+00	<2.37E+00	<2.08E+00	<1.77E+00	<1.70E+00	<1.70E+00	<1.90E+00	<1.90E+00	<1.90E+00	<2.08E+00	<1.79E+00	<2.08E+00	<1.90E+00
T-303		<7.68E-01	<1.14E+00	<1.72E+00	<2.32E+00	<2.04E+00	<1.73E+00	<1.66E+00	<1.66E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.75E+00	<2.04E+00	<1.86E+00
T-304		<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-305		<7.08E-01	<1.06E+00	<1.59E+00	<2.14E+00	<1.88E+00	<1.60E+00	<1.53E+00	<1.53E+00	<1.71E+00	<1.71E+00	<1.71E+00	<1.88E+00	<1.62E+00	<1.88E+00	<1.71E+00
T-306		<7.19E-01	<1.07E+00	<1.61E+00	<2.18E+00	<1.91E+00	<1.62E+00	<1.56E+00	<1.56E+00	<1.74E+00	<1.74E+00	<1.74E+00	<1.91E+00	<1.64E+00	<1.91E+00	<1.74E+00
T-307		<7.17E-01	<1.07E+00	<1.61E+00	<2.17E+00	<1.90E+00	<1.62E+00	<1.55E+00	<1.55E+00	<1.73E+00	<1.73E+00	<1.73E+00	<1.90E+00	<1.64E+00	<1.90E+00	<1.73E+00
T-308		<7.27E-01	<1.08E+00	<1.63E+00	<2.20E+00	<1.93E+00	<1.64E+00	<1.58E+00	<1.58E+00	<1.76E+00	<1.76E+00	<1.76E+00	<1.93E+00	<1.66E+00	<1.93E+00	<1.76E+00
T-309		<7.07E-01	<1.05E+00	<1.59E+00	<2.14E+00	<1.88E+00	<1.59E+00	<1.53E+00	<1.53E+00	<1.71E+00	<1.71E+00	<1.71E+00	<1.87E+00	<1.61E+00	<1.87E+00	<1.71E+00
T-310		<6.77E-01	<1.01E+00	<1.52E+00	<2.05E+00	<1.80E+00	<1.53E+00	<1.47E+00	<1.47E+00	<1.64E+00	<1.64E+00	<1.64E+00	<1.80E+00	<1.55E+00	<1.80E+00	<1.64E+00
T-311		<6.97E-01	<1.04E+00	<1.56E+00	<2.11E+00	<1.85E+00	<1.57E+00	<1.51E+00	<1.51E+00	<1.69E+00	<1.69E+00	<1.69E+00	<1.85E+00	<1.59E+00	<1.85E+00	<1.69E+00
T-312		<4.26E+00	<6.35E+00	<9.56E+00	<1.27E+01	<1.12E+01	<9.46E+00	<9.10E+00	<9.10E+00	<1.02E+01	<1.02E+01	<1.02E+01	<1.11E+01	<9.58E+00	<1.11E+01	<1.02E+01
T-313		<7.03E-01	<1.05E+00	<1.58E+00	<2.13E+00	<1.87E+00	<1.58E+00	<1.52E+00	<1.52E+00	<1.70E+00	<1.70E+00	<1.70E+00	<1.86E+00	<1.60E+00	<1.86E+00	<1.70E+00
T-314		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-401		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-402		<7.68E-01	<1.14E+00	<1.72E+00	<2.32E+00	<2.04E+00	<1.73E+00	<1.66E+00	<1.66E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.75E+00	<2.04E+00	<1.86E+00
T-403		<7.64E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.66E+00	<1.66E+00	<1.85E+00	<1.85E+00	<1.85E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.85E+00
T-404		<7.59E-01	<1.13E+00	<1.70E+00	<2.30E+00	<2.02E+00	<1.71E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.84E+00
T-405		<7.39E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.96E+00	<1.67E+00	<1.60E+00	<1.60E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.96E+00	<1.69E+00	<1.96E+00	<1.79E+00
T-406		<7.44E-01	<1.11E+00	<1.67E+00	<2.25E+00	<1.98E+00	<1.68E+00	<1.61E+00	<1.61E+00	<1.80E+00	<1.80E+00	<1.80E+00	<1.97E+00	<1.70E+00	<1.97E+00	<1.80E+00
T-407		<7.50E-01	<1.12E+00	<1.68E+00	<2.27E+00	<1.99E+00	<1.69E+00	<1.62E+00	<1.62E+00	<1.81E+00	<1.81E+00	<1.81E+00	<1.99E+00	<1.71E+00	<1.99E+00	<1.81E+00
T-408		<7.54E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.82E+00
T-409		<7.54E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.82E+00
T-410		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-501		<7.69E-01	<1.15E+00	<1.73E+00	<2.33E+00	<2.04E+00	<1.73E+00	<1.67E+00	<1.67E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.76E+00	<2.04E+00	<1.86E+00
T-502		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-503		<7.65E-01	<1.14E+00	<1.72E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.66E+00	<1.66E+00	<1.85E+00	<1.85E+00	<1.85E+00	<2.03E+00	<1.75E+00	<2.03E+00	<1.85E+00
T-504		<7.68E-01	<1.14E+00	<1.72E+00	<2.32E+00	<2.04E+00	<1.73E+00	<1.66E+00	<1.66E+00	<1.86E+00	<1.86E+00	<1.86E+00	<2.04E+00	<1.75E+00	<2.04E+00	<1.86E+00
T-505		<7.52E-01	<1.12E+00	<1.69E+00	<2.28E+00	<2.00E+00	<1.70E+00	<1.63E+00	<1.63E+00	<1.82E+00	<1.82E+00	<1.82E+00	<1.99E+00	<1.72E+00	<1.99E+00	<1.82E+00
T-506		<7.55E-01	<1.13E+00	<1.69E+00	<2.28E+00	<2.01E+00	<1.70E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.83E+00
T-507		<7.55E-01	<1.13E+00	<1.69E+00	<2.28E+00	<2.01E+00	<1.70E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.83E+00
T-508		<7.57E-01	<1.13E+00	<1.70E+00	<2.29E+00	<2.01E+00	<1.71E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.83E+00
T-509		<7.57E-01	<1.13E+00	<1.70E+00	<2.29E+00	<2.01E+00	<1.71E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.83E+00
T-510		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00
T-601		<7.78E-01	<1.16E+00	<1.75E+00	<2.35E+00	<2.07E+00	<1.75E+00	<1.69E+00	<1.69E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.06E+00	<1.78E+00	<2.06E+00	<1.88E+00
T-602		<7.77E-01	<1.16E+00	<1.74E+00	<2.35E+00	<2.06E+00	<1.75E+00	<1.68E+00	<1.68E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.06E+00	<1.77E+00	<2.06E+00	<1.88E+00
T-603		<7.75E-01	<1.16E+00	<1.74E+00	<2.35E+00	<2.06E+00	<1.75E+00	<1.68E+00	<1.68E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.05E+00	<1.77E+00	<2.05E+00	<1.88E+00
T-604		<7.77E-01	<1.16E+00	<1.74E+00	<2.35E+00	<2.06E+00	<1.75E+00	<1.68E+00	<1.68E+00	<1.88E+00	<1.88E+00	<1.88E+00	<2.06E+00	<1.77E+00	<2.06E+00	<1.88E+00
T-605		<7.41E-01	<1.10E+00	<1.66E+00	<2.24E+00	<1.97E+00	<1.67E+00	<1.61E+00	<1.61E+00	<1.79E+00	<1.79E+00	<1.79E+00	<1.97E+00	<1.69E+00	<1.97E+00	<1.79E+00
T-606		<7.57E-01	<1.13E+00	<1.70E+00	<2.29E+00	<2.01E+00	<1.71E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.01E+00	<1.73E+00	<2.01E+00	<1.83E+00
T-607		<7.35E-01	<1.09E+00	<1.65E+00	<2.22E+00	<1.95E+00	<1.66E+00	<1.59E+00	<1.59E+00	<1.78E+00	<1.78E+00	<1.78E+00	<1.95E+00	<1.68E+00	<1.95E+00	<1.78E+00
T-608		<7.55E-01	<1.13E+00	<1.69E+00	<2.28E+00	<2.01E+00	<1.70E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.83E+00
T-609		<7.55E-01	<1.13E+00	<1.69E+00	<2.28E+00	<2.01E+00	<1.70E+00	<1.64E+00	<1.64E+00	<1.83E+00	<1.83E+00	<1.83E+00	<2.00E+00	<1.72E+00	<2.00E+00	<1.83E+00
T-610		<7.62E-01	<1.14E+00	<1.71E+00	<2.31E+00	<2.03E+00	<1.72E+00	<1.65E+00	<1.65E+00	<1.84E+00	<1.84E+00	<1.84E+00	<2.02E+00	<1.74E+00	<2.02E+00	<1.84E+00

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number / Compound	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	n-Propylbenzene	Isopropylbenzene	tert-butyl benzene	i-Butylbenzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene
CAS	108-90-7	630-20-6	75-25-2	79-34-5	96-18-4	110-57-6	103-65-1	98-82-8	98-06-6	538-93-2	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8
MW	112.6	167.8	252.7	167.8	147.4	125	120.2	120.2	134.2	134.2	134.2	147	126.6	147	134.2
Flux (mg/m2-mi															
T-101	<6.72E-05	<1.00E-04	<1.51E-04	<2.03E-04	<1.79E-04	<1.52E-04	<1.46E-04	<1.46E-04	<1.63E-04	<1.63E-04	<1.63E-04	<1.78E-04	<1.54E-04	<1.78E-04	<1.63E-04
T-102	<4.23E-05	<6.30E-05	<9.49E-05	<1.28E-04	<1.12E-04	<9.53E-05	<9.17E-05	<9.17E-05	<1.02E-04	<1.02E-04	<1.02E-04	<1.12E-04	<9.65E-05	<1.12E-04	<1.02E-04
T-103	<5.74E-05	<8.56E-05	<1.29E-04	<1.74E-04	<1.53E-04	<1.29E-04	<1.24E-04	<1.24E-04	<1.39E-04	<1.39E-04	<1.39E-04	<1.52E-04	<1.31E-04	<1.52E-04	<1.39E-04
T-104	<3.70E-05	<5.51E-05	<8.30E-05	<1.12E-04	<9.82E-05	<8.33E-05	<8.01E-05	<8.01E-05	<8.94E-05	<8.94E-05	<8.94E-05	<9.80E-05	<8.44E-05	<9.80E-05	<8.94E-05
T-105	<3.20E-05	<4.76E-05	<7.17E-05	<9.67E-05	<8.50E-05	<7.20E-05	<6.93E-05	<6.93E-05	<7.74E-05	<7.74E-05	<7.74E-05	<8.47E-05	<7.30E-05	<8.47E-05	<7.74E-05
T-106	<3.52E-05	<5.24E-05	<7.90E-05	<1.06E-04	<9.35E-05	<7.93E-05	<7.63E-05	<7.63E-05	<8.52E-05	<8.52E-05	<8.52E-05	<9.33E-05	<8.03E-05	<9.33E-05	<8.52E-05
T-107	<4.65E-05	<6.92E-05	<1.04E-04	<1.41E-04	<1.23E-04	<1.05E-04	<1.01E-04	<1.01E-04	<1.12E-04	<1.12E-04	<1.12E-04	<1.23E-04	<1.06E-04	<1.23E-04	<1.12E-04
T-108	<1.12E-04	<1.66E-04	<2.50E-04	<3.38E-04	<2.97E-04	<2.51E-04	<2.42E-04	<2.42E-04	<2.70E-04	<2.70E-04	<2.70E-04	<2.96E-04	<2.55E-04	<2.96E-04	<2.70E-04
T-109	<3.48E-05	<5.18E-05	<7.80E-05	<1.05E-04	<9.24E-05	<7.83E-05	<7.53E-05	<7.53E-05	<8.41E-05	<8.41E-05	<8.41E-05	<9.21E-05	<7.93E-05	<9.21E-05	<8.41E-05
T-110	<3.14E-05	<4.67E-05	<7.04E-05	<9.49E-05	<8.33E-05	<7.07E-05	<6.79E-05	<6.79E-05	<7.59E-05	<7.59E-05	<7.59E-05	<8.31E-05	<7.16E-05	<8.31E-05	<7.59E-05
T-111	<2.10E-04	<3.13E-04	<4.72E-04	<6.36E-04	<5.59E-04	<4.74E-04	<4.55E-04	<4.55E-04	<5.09E-04	<5.09E-04	<5.09E-04	<5.57E-04	<4.80E-04	<5.57E-04	<5.09E-04
T-112	<4.02E-05	<5.98E-05	<9.01E-05	<1.21E-04	<1.07E-04	<9.05E-05	<8.70E-05	<8.70E-05	<9.72E-05	<9.72E-05	<9.72E-05	<1.06E-04	<9.17E-05	<1.06E-04	<9.72E-05
T-113	<3.52E-05	<5.25E-05	<7.90E-05	<1.06E-04	<9.35E-05	<7.93E-05	<7.63E-05	<7.63E-05	<8.52E-05	<8.52E-05	<8.52E-05	<9.33E-05	<8.03E-05	<9.33E-05	<8.52E-05
T-114	<3.19E-05	<4.75E-05	<7.15E-05	<9.64E-05	<8.47E-05	<7.18E-05	<6.91E-05	<6.91E-05	<7.71E-05	<7.71E-05	<7.71E-05	<8.45E-05	<7.28E-05	<8.45E-05	<7.71E-05
T-201	<3.61E-05	<5.37E-05	<8.09E-05	<1.09E-04	<9.58E-05	<8.13E-05	<7.81E-05	<7.81E-05	<8.72E-05	<8.72E-05	<8.72E-05	<9.56E-05	<8.23E-05	<9.56E-05	<8.72E-05
T-202	<3.96E-05	<5.90E-05	<8.88E-05	<1.20E-04	<1.05E-04	<8.92E-05	<8.58E-05	<8.58E-05	<9.58E-05	<9.58E-05	<9.58E-05	<1.05E-04	<9.04E-05	<1.05E-04	<9.58E-05
T-203	<3.03E-05	<4.52E-05	<6.81E-05	<9.18E-05	<8.07E-05	<6.84E-05	<6.58E-05	<6.58E-05	<7.34E-05	<7.34E-05	<7.34E-05	<8.04E-05	<6.93E-05	<8.04E-05	<7.34E-05
T-204	<4.16E-05	<6.19E-05	<9.33E-05	<1.26E-04	<1.10E-04	<9.37E-05	<9.01E-05	<9.01E-05	<1.01E-04	<1.01E-04	<1.01E-04	<1.10E-04	<9.49E-05	<1.10E-04	<1.01E-04
T-205	<3.26E-05	<4.86E-05	<7.32E-05	<9.86E-05	<8.66E-05	<7.35E-05	<7.07E-05	<7.07E-05	<7.89E-05	<7.89E-05	<7.89E-05	<8.64E-05	<7.44E-05	<8.64E-05	<7.89E-05
T-206	<5.03E-05	<7.49E-05	<1.13E-04	<1.52E-04	<1.34E-04	<1.13E-04	<1.09E-04	<1.09E-04	<1.22E-04	<1.22E-04	<1.22E-04	<1.33E-04	<1.15E-04	<1.33E-04	<1.22E-04
T-207	<3.28E-05	<4.88E-05	<7.36E-05	<9.92E-05	<8.71E-05	<7.39E-05	<7.10E-05	<7.10E-05	<7.93E-05	<7.93E-05	<7.93E-05	<8.69E-05	<7.48E-05	<8.69E-05	<7.93E-05
T-208	<3.32E-05	<4.95E-05	<7.46E-05	<1.01E-04	<8.84E-05	<7.49E-05	<7.21E-05	<7.21E-05	<8.04E-05	<8.04E-05	<8.04E-05	<8.81E-05	<7.59E-05	<8.81E-05	<8.04E-05
T-209	<3.15E-05	<4.70E-05	<7.07E-05	<9.53E-05	<8.37E-05	<7.10E-05	<6.83E-05	<6.83E-05	<7.62E-05	<7.62E-05	<7.62E-05	<8.35E-05	<7.19E-05	<8.35E-05	<7.62E-05
T-210	<3.50E-05	<5.22E-05	<7.86E-05	<1.06E-04	<9.31E-05	<7.89E-05	<7.59E-05	<7.59E-05	<8.47E-05	<8.47E-05	<8.47E-05	<9.28E-05	<7.99E-05	<9.28E-05	<8.47E-05
T-211	<3.28E-05	<4.89E-05	<7.36E-05	<9.92E-05	<8.72E-05	<7.39E-05	<7.11E-05	<7.11E-05	<7.93E-05	<7.93E-05	<7.93E-05	<8.69E-05	<7.49E-05	<8.69E-05	<7.93E-05
T-212	<3.02E-05	<4.50E-05	<6.78E-05	<9.15E-05	<8.03E-05	<6.81E-05	<6.55E-05	<6.55E-05	<7.31E-05	<7.31E-05	<7.31E-05	<8.01E-05	<6.90E-05	<8.01E-05	<7.31E-05
T-213	<3.39E-05	<5.06E-05	<7.62E-05	<1.03E-04	<9.02E-05	<7.65E-05	<7.36E-05	<7.36E-05	<8.21E-05	<8.21E-05	<8.21E-05	<9.00E-05	<7.75E-05	<9.00E-05	<8.21E-05
T-214	<3.49E-05	<5.20E-05	<7.83E-05	<1.06E-04	<9.28E-05	<7.87E-05	<7.57E-05	<7.57E-05	<8.45E-05	<8.45E-05	<8.45E-05	<9.25E-05	<7.97E-05	<9.25E-05	<8.45E-05
T-301	<5.54E-05	<8.25E-05	<1.24E-04	<1.67E-04	<1.47E-04	<1.25E-04	<1.20E-04	<1.20E-04	<1.34E-04	<1.34E-04	<1.34E-04	<1.47E-04	<1.26E-04	<1.47E-04	<1.34E-04
T-302	<3.06E-05	<4.56E-05	<6.87E-05	<9.26E-05	<8.14E-05	<6.90E-05	<6.63E-05	<6.63E-05	<7.41E-05	<7.41E-05	<7.41E-05	<8.11E-05	<6.99E-05	<8.11E-05	<7.41E-05
T-303	<3.31E-05	<4.93E-05	<7.43E-05	<1.00E-04	<8.79E-05	<7.46E-05	<7.17E-05	<7.17E-05	<8.01E-05	<8.01E-05	<8.01E-05	<8.77E-05	<7.55E-05	<8.77E-05	<8.01E-05
T-304	<3.79E-05	<5.65E-05	<8.50E-05	<1.15E-04	<1.01E-04	<8.54E-05	<8.21E-05	<8.21E-05	<9.17E-05	<9.17E-05	<9.17E-05	<1.00E-04	<8.65E-05	<1.00E-04	<9.17E-05
T-305	<5.81E-05	<8.65E-05	<1.30E-04	<1.76E-04	<1.54E-04	<1.31E-04	<1.26E-04	<1.26E-04	<1.40E-04	<1.40E-04	<1.40E-04	<1.54E-04	<1.33E-04	<1.54E-04	<1.40E-04
T-306	<1.24E-04	<1.84E-04	<2.78E-04	<3.74E-04	<3.29E-04	<2.79E-04	<2.68E-04	<2.68E-04	<2.99E-04	<2.99E-04	<2.99E-04	<3.28E-04	<2.82E-04	<3.28E-04	<2.99E-04
T-307	<4.41E-05	<6.58E-05	<9.90E-05	<1.34E-04	<1.17E-04	<9.95E-05	<9.57E-05	<9.57E-05	<1.07E-04	<1.07E-04	<1.07E-04	<1.17E-04	<1.01E-04	<1.17E-04	<1.07E-04
T-308	<4.63E-05	<6.89E-05	<1.04E-04	<1.40E-04	<1.23E-04	<1.04E-04	<1.00E-04	<1.00E-04	<1.12E-04	<1.12E-04	<1.12E-04	<1.23E-04	<1.06E-04	<1.23E-04	<1.12E-04
T-309	<3.12E-05	<4.65E-05	<7.00E-05	<9.44E-05	<8.29E-05	<7.03E-05	<6.76E-05	<6.76E-05	<7.55E-05	<7.55E-05	<7.55E-05	<8.27E-05	<7.12E-05	<8.27E-05	<7.55E-05
T-310	<3.87E-05	<5.77E-05	<8.69E-05	<1.17E-04	<1.03E-04	<8.72E-05	<8.39E-05	<8.39E-05	<9.36E-05	<9.36E-05	<9.36E-05	<1.03E-04	<8.83E-05	<1.03E-04	<9.36E-05
T-311	<4.50E-05	<6.70E-05	<1.01E-04	<1.36E-04	<1.19E-04	<1.01E-04	<9.74E-05	<9.74E-05	<1.09E-04	<1.09E-04	<1.09E-04	<1.19E-04	<1.03E-04	<1.19E-04	<1.09E-04
T-312	<2.11E-04	<3.15E-04	<4.74E-04	<6.30E-04	<5.53E-04	<4.69E-04	<4.51E-04	<4.51E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.52E-04	<4.75E-04	<5.52E-04	<5.04E-04
T-313	<2.77E-05	<4.13E-05	<6.22E-05	<8.39E-05	<7.37E-05	<6.25E-05	<6.01E-05	<6.01E-05	<6.71E-05	<6.71E-05	<6.71E-05	<7.35E-05	<6.33E-05	<7.35E-05	<6.71E-05
T-314	<3.12E-05	<4.65E-05	<7.01E-05	<9.45E-05	<8.30E-05	<7.04E-05	<6.77E-05	<6.77E-05	<7.56E-05	<7.56E-05	<7.56E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.56E-05
T-401	<5.08E-05	<7.57E-05	<1.14E-04	<1.54E-04	<1.35E-04	<1.14E-04	<1.10E-04	<1.10E-04	<1.23E-04	<1.23E-04	<1.23E-04	<1.35E-04	<1.16E-04	<1.35E-04	<1.23E-04
T-402	<4.36E-05	<6.49E-05	<9.78E-05	<1.32E-04	<1.16E-04	<9.82E-05	<9.44E-05	<9.44E-05	<1.05E-04	<1.05E-04	<1.05E-04	<1.15E-04	<9.94E-05	<1.15E-04	<1.05E-04
T-403	<3.12E-05	<4.65E-05	<7.01E-05	<9.45E-05	<8.30E-05	<7.04E-05	<6.77E-05	<6.77E-05	<7.56E-05	<7.56E-05	<7.56E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.56E-05
T-404	<6.47E-05	<9.64E-05	<1.45E-04	<1.96E-04	<1.72E-04	<1.46E-04	<1.40E-04	<1.40E-04	<1.56E-04	<1.56E-04	<1.56E-04	<1.71E-04	<1.48E-04	<1.71E-04	<1.56E-04
T-405	<3.30E-05	<4.91E-05	<7.40E-05	<9.97E-05	<8.76E-05	<7.43E-05	<7.14E-05	<7.14E-05	<7.98E-05	<7.98E-05	<7.98E-05	<8.74E-05	<7.52E-05	<8.74E-05	<7.98E-05
T-406	<4.12E-05	<6.14E-05	<9.25E-05	<1.25E-04	<1.10E-04	<9.29E-05	<8.93E-05	<8.93E-05	<9.97E-05	<9.97E-05	<9.97E-05	<1.09E-04	<9.41E-05	<1.09E-04	<9.97E-05
T-407	<3.02E-05	<4.50E-05	<6.78E-05	<9.15E-05	<8.03E-05	<6.81E-05	<6.55E-05	<6.55E-05	<7.31E-05	<7.31E-05	<7.31E-05	<8.01E-05	<6.90E-05	<8.01E-05	<7.31E-05
T-408	<3.53E-05	<5.26E-05	<7.92E-05	<1.07E-04	<9.37E-05	<7.95E-05	<7.64E-05	<7.64E-05	<8.53E-05	<8.53E-05	<8.53E-05	<9.35E-05	<8.05E-05	<9.35E-05	<8.53E-05
T-409	<3.44E-05	<5.13E-05	<7.72E-05	<1.04E-04	<9.15E-05	<7.76E-05	<7.46E-05	<7.46E-05	<8.33E-05	<8.33E-05	<8.33E-05	<9.12E-05	<7.85E-05	<9.12E-05	<8.33E-05
T-410	<2.98E-05	<4.44E-05	<6.69E-05	<9.01E-05	<7.92E-05	<6.72E-05	<6.46E-05	<6.46E-05	<7.21E-05	<7.21E-05	<7.21E-05	<7.90E-05	<6.80E-05	<7.90E-05	<7.21E-05
T-501	<3.36E-05	<5.01E-05	<7.54E-05	<1.02E-04	<8.93E-05	<7.58E-05	<7.28E-05	<7.28E-05	<8.13E-05	<8.13E-05	<8.13E-05	<8.91E-05	<7.67E-05	<8.91E-05	<8.13E-05
T-502	<3.57E-05	<5.31E-05	<8.00E-05	<1.08E-04	<9.48E-05	<8.04E-05	<7.73E-05	<7.73E-05	<8.63E-05	<8.63E-05	<8.63E-05	<9.45E-05	<8.14E-05	<9.45E-05	<8.63E-05
T-503	<3.31E-05	<4.94E-05	<7.44E-05	<1.00E-04	<8.81E-05	<7.47E-05	<7.18E-05	<7.18E-05	<8.02E-05	<8.02E-05	<8.02E-05	<8.79E-05	<7.57E-05	<8.79E-05	<8.02E-05
T-504	<3.71E-05	<5.53E-05	<8.33E-05	<1.12E-04	<9.86E-05	<8.36E-05	<8.04E-05	<8.04E-05	<8.98E-05	<8.98E-05	<8.98E-05	<9.83E-05	<8.47E-05	<9.83E-05	<8.98E-05
T-505	<3.65E-05	<5.44E-05	<8.19E-05	<1.10E-04	<9.70E-05	<8.22E-05	<7.91E-05	<7.91E-05	<8.83E-05	<8.83E-05	<8.83E-05	<9.67E-05	<8.33E-05	<9.67E-05	<8.83E-05
T-506	<3.42E-05	<5.10E-05	<7.68E-05	<1.04E-04	<9.10E-05	<7.72E-05	<7.42E-05	<7.42E-05	<8.28E-05	<8.28E-05	<8.28E-05	<9.08E-05	<7.82E-05	<9.08E-05	<8.28E-05
T-507	<3.82E-05	<5.70E-05	<8.58E-05	<1.16E-04	<1.02E-04	<8.62E-05	<8.29E-05	<8.29E-05	<9.25E-05	<9.25E-05	<9.25E-05	<1.01E-04	<8.73E-05	<1.01E-04	<9.25E-05
T-508	<4.55E-05	<6.78E-05	<1.02E-04	<1.38E-04	<1.21E-04	<1.03E-04	<9.87E-05	<9.87E-05	<1.10E-04	<1.10E-04	<1.10E-04	<1.21E-04	<1.04E-04	<1.21E-04	<1.10E-04
T-509	<3.23E-05	<4.82E-05	<7.26E-05	<9.79E-05	<8.60E-05	<7.29E-05	<7.01E-05	<7.01E-05	<7.83E-05	<7.83E-05	<7.83E-05	<8.57E-05	<7.38E-05	<8.57E-05	<7.83E-05
T-510	<3.31E-05	<4.94E-05	<7.44E-05	<1.00E-04	<8.81E-05	<7.47E-05	<7.18E-05	<7.18E-05	<8.02E-05	<8.02E-05	<8.02E-05	<8.78E-05	<7.57E-05	<8.78E-05	<8.02E-05
T-601	<3.91E-05	<5.83E-05	<8.78E-05	<1.18E-04	<1.04E-04	<8.81E-05	<8.47E-05	<8.47E-05	<9.46E-05	<9.46E-05	<9.46E-05	<1.04E-04	<8.93E-05	<1.04E-04	<9.46E-05
T-602	<3.65E-05	<5.44E-05	<8.19E-05	<1.10E-04	<9.70E-05	<8.22E-05	<7.91E-05	<7.91E-05	<8.83E-05	<8.83E-05	<8.83E-05	<9.67E-05	<8.33E-05	<9.67E-05	<8.83E-05
T-603	<4.55E-05	<6.78E-05	<1.02E-04	<1.38E-04	<1.21E-04	<1.02E-04	<9.85E-05	<9.85E-05	<1.10E-04	<1.10E-04	<1.10E-04	<1.21E-04	<1.04E-04	<1.21E-04	<1.10E-04
T-604	<3.33E-05	<4.97E-05	<7.48E-05	<1.01E-04	<8.86E-05	<7.51E-05	<7.22E-05	<7.22E-05	<8.07E-05	<8.07E-05	<8.07E-05	<8.83E-05	<7.61E-05	<8.83E-05	<8.07E-05
T-605	<6.74E-05	<1.00E-04	<1.51E-04	<2.04E-04	<1.79E-04	<1.52E-04	<1.46E-04	<1.46E-04	<1.63E-04	<1.63E-04	<1.63E-04	<1.79E-04	<1.54E-04	<1.79E-04	<1.63E-04
T-606	<3.57E-05	<5.33E-05	<8.02E-05	<1.08E-04	<9.50E-05	<8.06E-05	<7.75E-05	<7.75E-05	<8.65E-05	<8.65E-05	<8.65E-05	<9.48E-05	<8.16E-05	<9.48E-05	<8.65E-05
T-607	<6.20E-05	<9.24E-05	<1.39E-04	<1.88E-04	<1.65E-04	<1.40E-04	<1.34E-04	<1.34E-04	<1.50E-04	<1.50E-04	<1.50E-04	<1.64E-04	<1.42E-04	<1.64E-04	<1.50E-04
T-608	<7.78E-05	<1.16E-04	<1.75E-04	<2.36E-04	<2.07E-04	<1.75E-04	<1.69E-04	<1.69E-04	<1.88E-04	<1.88E-04	<1.88E-04	<2.06E-04	<1.78E-04	<2.06E-04	<1.88E-04
T-609	<7.15E-05	<1.07E-04	<1.61E-04	<2.16E-04	<1.90E-04	<1.61E-04	<1.55E-04	<1.55E-04	<1.73E-04	<1.73E-04	<1.73E-04	<1.90E-04	<1.63E-04	<1.90E-04	<1.73E-04
T-610	<3.33E-05	<4.96E-05	<7.47E-05	<1.01E-04	<8.85E-05	<7.51E-05	<7.22E-05	<7.22E-05	<8.06E-05	<8.06E-05	<8.06E-05	<8.83E-05	<7.60E-05	<8.83E-05	<8.06E-05

Table 3
Chiquita Canyon
TO-15 Compour

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

Table 3
Chiquita Canyon
TO-15 Compour

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

Table 3
Chiquita Canyon
TO-15 Compour

Sample Number	Compound	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene
	CAS	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3
	MW	147	236.3	181.4	181.4	260.8
Data Used (ug/l)						
T-101		<1.99E+00	<4.77E+00	<3.66E+00	<3.66E+00	<4.37E+00
T-102		<1.99E+00	<4.78E+00	<3.67E+00	<3.67E+00	<4.38E+00
T-103		<2.01E+00	<4.83E+00	<3.71E+00	<3.71E+00	<4.42E+00
T-104		<2.06E+00	<4.95E+00	<3.80E+00	<3.80E+00	<4.53E+00
T-105		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00
T-106		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00
T-107		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00
T-108		<1.92E+00	<4.60E+00	<3.53E+00	<3.53E+00	<4.21E+00
T-109		<1.90E+00	<4.57E+00	<3.50E+00	<3.50E+00	<4.18E+00
T-110		<1.95E+00	<4.68E+00	<3.59E+00	<3.59E+00	<4.29E+00
T-111		<1.89E+00	<4.53E+00	<3.47E+00	<3.47E+00	<4.15E+00
T-112		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00
T-113		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00
T-114		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-201		<2.04E+00	<4.90E+00	<3.76E+00	<3.76E+00	<4.49E+00
T-202		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00
T-203		<2.05E+00	<4.93E+00	<3.78E+00	<3.78E+00	<4.52E+00
T-204		<2.07E+00	<4.96E+00	<3.81E+00	<3.81E+00	<4.54E+00
T-205		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00
T-206		<1.98E+00	<4.75E+00	<3.65E+00	<3.65E+00	<4.35E+00
T-207		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00
T-208		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-209		<1.97E+00	<4.72E+00	<3.62E+00	<3.62E+00	<4.32E+00
T-210		<1.96E+00	<4.70E+00	<3.61E+00	<3.61E+00	<4.30E+00
T-211		<1.96E+00	<4.71E+00	<3.61E+00	<3.61E+00	<4.31E+00
T-212		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00
T-213		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00
T-214		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-301		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00
T-302		<2.08E+00	<4.99E+00	<3.83E+00	<3.83E+00	<4.57E+00
T-303		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00
T-304		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00
T-305		<1.88E+00	<4.50E+00	<3.46E+00	<3.46E+00	<4.12E+00
T-306		<1.91E+00	<4.57E+00	<3.51E+00	<3.51E+00	<4.19E+00
T-307		<1.90E+00	<4.56E+00	<3.50E+00	<3.50E+00	<4.17E+00
T-308		<1.93E+00	<4.62E+00	<3.55E+00	<3.55E+00	<4.23E+00
T-309		<1.87E+00	<4.49E+00	<3.45E+00	<3.45E+00	<4.12E+00
T-310		<1.80E+00	<4.31E+00	<3.31E+00	<3.31E+00	<3.95E+00
T-311		<1.85E+00	<4.43E+00	<3.40E+00	<3.40E+00	<4.06E+00
T-312		<1.11E+01	<2.68E+01	<2.06E+01	<2.06E+01	<2.47E+01
T-313		<1.86E+00	<4.47E+00	<3.43E+00	<3.43E+00	<4.10E+00
T-314		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-401		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-402		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00
T-403		<2.02E+00	<4.86E+00	<3.73E+00	<3.73E+00	<4.45E+00
T-404		<2.01E+00	<4.83E+00	<3.71E+00	<3.71E+00	<4.42E+00
T-405		<1.96E+00	<4.70E+00	<3.61E+00	<3.61E+00	<4.30E+00
T-406		<1.97E+00	<4.73E+00	<3.63E+00	<3.63E+00	<4.34E+00
T-407		<1.99E+00	<4.77E+00	<3.66E+00	<3.66E+00	<4.37E+00
T-408		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00
T-409		<2.00E+00	<4.79E+00	<3.68E+00	<3.68E+00	<4.39E+00
T-410		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-501		<2.04E+00	<4.89E+00	<3.76E+00	<3.76E+00	<4.48E+00
T-502		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-503		<2.03E+00	<4.87E+00	<3.74E+00	<3.74E+00	<4.46E+00
T-504		<2.04E+00	<4.88E+00	<3.75E+00	<3.75E+00	<4.47E+00
T-505		<1.99E+00	<4.78E+00	<3.67E+00	<3.67E+00	<4.38E+00
T-506		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00
T-507		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00
T-508		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00
T-509		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00
T-510		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00
T-601		<2.06E+00	<4.95E+00	<3.80E+00	<3.80E+00	<4.53E+00
T-602		<2.06E+00	<4.94E+00	<3.79E+00	<3.79E+00	<4.53E+00
T-603		<2.05E+00	<4.93E+00	<3.78E+00	<3.78E+00	<4.52E+00
T-604		<2.06E+00	<4.94E+00	<3.79E+00	<3.79E+00	<4.53E+00
T-605		<1.97E+00	<4.72E+00	<3.62E+00	<3.62E+00	<4.32E+00
T-606		<2.01E+00	<4.81E+00	<3.69E+00	<3.69E+00	<4.41E+00
T-607		<1.95E+00	<4.67E+00	<3.59E+00	<3.59E+00	<4.28E+00
T-608		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00
T-609		<2.00E+00	<4.80E+00	<3.69E+00	<3.69E+00	<4.40E+00
T-610		<2.02E+00	<4.85E+00	<3.72E+00	<3.72E+00	<4.44E+00

Temp.		273.15	0.082
oF	oC	oK	RT
84	28.9	302.0	24.8
82	27.8	300.9	24.7
77	25.0	298.2	24.5
64	17.8	290.9	23.9
91	32.8	305.9	25.1
95	35.0	308.2	25.3
101	38.3	311.5	25.6
104	40.0	313.2	25.7
108	42.2	315.4	25.9
94	34.4	307.6	25.2
113	45.0	318.2	26.1
101	38.3	311.5	25.6
101	38.3	311.5	25.6
75	23.9	297.0	24.4
69	20.6	293.7	24.1
70	21.1	294.3	24.1
66	18.9	292.0	24.0
63	17.2	290.4	23.8
81	27.2	300.4	24.6
86	30.0	303.2	24.9
91	32.8	305.9	25.1
75	23.9	297.0	24.4
90	32.2	305.4	25.1
92	33.3	306.5	25.1
91	32.8	305.9	25.1
95	35.0	308.2	25.3
95	35.0	308.2	25.3
75	23.9	297.0	24.4
70	21.1	294.3	24.1
60	15.6	288.7	23.7
71	21.7	294.8	24.2
70	21.1	294.3	24.1
116	46.7	319.8	26.2
107	41.7	314.8	25.8
109	42.8	315.9	25.9
101	38.3	311.5	25.6
117	47.2	320.4	26.3
142	61.1	334.3	27.4
125	51.7	324.8	26.7
120	48.9	322.0	26.4
120	48.9	322.0	26.4
75	23.9	297.0	24.4
75	23.9	297.0	24.4
71	21.7	294.8	24.2
74	23.3	296.5	24.3
77	25.0	298.2	24.5
92	33.3	306.5	25.1
88	31.1	304.3	25.0
84	28.9	302.0	24.8
81	27.2	300.4	24.6
81	27.2	300.4	24.6
75	23.9	297.0	24.4
70	21.1	294.3	24.1
75	23.9	297.0	24.4
73	22.8	295.9	24.3
71	21.7	294.8	24.2
82	27.8	300.9	24.7
80	26.7	299.8	24.6
80	26.7	299.8	24.6
79	26.1	299.3	24.6
79	26.1	299.3	24.6
75	23.9	297.0	24.4
64	17.8	290.9	23.9
65	18.3	291.5	23.9
66	18.9	292.0	24.0
65	18.3	291.5	23.9
90	32.2	305.4	25.1
79	26.1	299.3	24.6
95	35.0	308.2	25.3
80	26.7	299.8	24.6
80	26.7	299.8	24.6
75	23.9	297.0	24.4

Table 3
Chiquita Canyon
TO-15 Compour

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

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

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

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

Sample Number	Total Non-Methane Hydrocarbons-C1	Total Non-Methane Hydrocarbons-C6	Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene
CAS	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1
MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1
MDL (ppbv)																
T-101	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-102	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-103	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-104	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-105	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-106	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-107	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-108	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-109	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-110	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-111	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-112	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-113	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-114	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-201	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-202	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-203	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-204	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-205	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-206	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-207	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-208	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-209	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-210	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-211	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-212	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-213	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-214	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-301	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-302	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-303	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-304	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-305	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-306	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-307	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-308	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-309	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-310	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-311	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-312	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-313	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-314	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-401	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-402	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-403	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-404	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-405	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-406	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-407	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-408	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-409	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-410	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-501	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-502	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-503	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-504	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-505	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-506	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-507	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-508	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-509	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-510	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-601	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-602	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-603	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-604	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-605	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-606	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-607	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-608	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-609	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2
T-610	45	7.5	1.3333333	2	0.4	1.3333333	1	0.8	0.4444444	0.4	0.4444444	0.4444444	0.4444444	0.5	0.6666667	2

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

Sample Number	Total Non-Methane Hydrocarbons-C1	Total Non-Methane Hydrocarbons-C6	Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene
CAS	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1
MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1
Data used (ug/m3)																
T-101	<1.45E+01	<1.30E+01	4	4	<1.15E+00	<1.13E+00	<1.17E+00	<1.17E+00	<1.08E+00	<1.08E+00	<1.15E+00	<1.08E+00	<1.08E+00	<1.07E+00	<1.05E+00	<1.13E+00
T-102	32	28	4	<1.22E+00	<1.15E+00	3	<1.18E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.05E+00	<1.14E+00
T-103	<1.47E+01	<1.32E+01	<1.20E+00	3	<1.16E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.06E+00	<1.15E+00
T-104	460	413	<1.23E+00	<1.26E+00	<1.19E+00	53	<1.22E+00	<1.21E+00	6	13	5	44	31	31	<1.09E+00	<1.18E+00
T-105	38	34	10	6	<1.13E+00	4	<1.16E+00	4	<1.06E+00	<1.07E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.06E+00	<1.04E+00	<1.12E+00
T-106	<1.42E+01	<1.28E+01	<1.16E+00	3	<1.13E+00	3	<1.15E+00	4	<1.06E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.05E+00	<1.03E+00	<1.11E+00
T-107	86	77	6	4	<1.11E+00	3	11	13	<1.05E+00	3	<1.12E+00	<1.05E+00	<1.05E+00	<1.04E+00	5	<1.10E+00
T-108	84	75	5	4	<1.11E+00	<1.09E+00	3	7	<1.04E+00	2	<1.11E+00	<1.04E+00	12	<1.03E+00	5	<1.09E+00
T-109	30	27	<1.14E+00	3	<1.10E+00	3	3	5	<1.03E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.03E+00	<1.03E+00	<1.01E+00	<1.09E+00
T-110	40	36	4	<1.19E+00	<1.13E+00	6	4	5	<1.06E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.05E+00	<1.03E+00	<1.11E+00
T-111	32	29	<1.13E+00	<1.15E+00	<1.09E+00	<1.08E+00	<1.11E+00	<1.11E+00	<1.02E+00	<1.03E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.02E+00	3	<1.08E+00
T-112	109	98	21	15	<1.11E+00	18	11	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.05E+00	8	<1.04E+00	<1.02E+00	3
T-113	107	96	19	14	<1.11E+00	17	11	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.04E+00	<1.02E+00	<1.10E+00
T-114	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-201	47	42	11	3	<1.18E+00	<1.16E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.08E+00	<1.17E+00
T-202	49	44	7	8	<1.18E+00	2	4	<1.20E+00	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.08E+00	<1.16E+00
T-203	39	35	3	3	<1.19E+00	<1.17E+00	<1.21E+00	3	<1.11E+00	<1.12E+00	<1.19E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.09E+00	<1.17E+00
T-204	38	34	4	3	<1.19E+00	3	4	6	<1.12E+00	<1.13E+00	<1.20E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.09E+00	<1.18E+00
T-205	60	54	9	4	<1.15E+00	5	<1.18E+00	<1.17E+00	<1.08E+00	4	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.06E+00	<1.14E+00
T-206	35	31	<1.18E+00	<1.21E+00	6	<1.13E+00	5	<1.16E+00	<1.07E+00	3	<1.15E+00	<1.07E+00	3	<1.07E+00	3	<1.13E+00
T-207	81	72	4	<1.20E+00	6	5	5	<1.15E+00	<1.06E+00	<1.07E+00	<1.14E+00	<1.06E+00	<1.06E+00	8	9	<1.12E+00
T-208	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-209	142	127	3	<1.20E+00	7	4	<1.16E+00	<1.15E+00	2	<1.07E+00	<1.14E+00	2	9	5	29	<1.12E+00
T-210	49	44	4	<1.20E+00	<1.13E+00	3	3	7	<1.06E+00	3	<1.13E+00	<1.06E+00	2	<1.06E+00	<1.04E+00	3
T-211	68	61	3	7	<1.13E+00	4	4	7	<1.06E+00	4	<1.14E+00	<1.06E+00	3	<1.06E+00	6	3
T-212	74	66	<1.16E+00	<1.19E+00	<1.13E+00	<1.11E+00	<1.15E+00	<1.14E+00	<1.06E+00	3	<1.13E+00	<1.06E+00	6	<1.05E+00	<1.03E+00	<1.11E+00
T-213	52	46	<1.16E+00	<1.19E+00	<1.13E+00	<1.11E+00	3	<1.14E+00	4	2	<1.13E+00	<1.06E+00	7	<1.05E+00	<1.03E+00	<1.11E+00
T-214	<1.48E+01	<1.33E+01	4	<1.23E+00	<1.17E+00	3	4	7	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-301	241	216	6	3	<1.18E+00	4	5	8	<1.11E+00	19	<1.18E+00	<1.11E+00	4	5	3	<1.16E+00
T-302	253	227	27	4	<1.20E+00	5	27	8	<1.13E+00	3	<1.20E+00	4	10	3	4	<1.19E+00
T-303	<1.49E+01	<1.34E+01	<1.22E+00	3	<1.18E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	2	<1.16E+00
T-304	90	81	5	6	<1.18E+00	3	6	13	<1.11E+00	9	<1.18E+00	<1.11E+00	<1.11E+00	<1.10E+00	3	6
T-305	390	350	6	3	4	4	2	9	<1.02E+00	122	<1.09E+00	9	35	3	3	<1.07E+00
T-306	321	289	6	4	9	4	2	9	7	2	36	6	8	59	7	2
T-307	319	286	29	8	<1.10E+00	9	42	<1.11E+00	<1.03E+00	13	<1.10E+00	<1.03E+00	4	3	5	8
T-308	32	29	<1.15E+00	3	<1.11E+00	<1.10E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.04E+00	2	4
T-309	106	96	5	3	9	5	6	5	3	<1.02E+00	4	3	4	<1.01E+00	3	2
T-310	76	68	4	4	<1.04E+00	3	<1.06E+00	13	<9.74E-01	<9.79E-01	<1.04E+00	<9.74E-01	<9.74E-01	<9.68E-01	7	<1.02E+00
T-311	44	39	5	<1.13E+00	<1.07E+00	3	<1.09E+00	<1.08E+00	<1.00E+00	3	<1.07E+00	<1.00E+00	<1.00E+00	<9.96E-01	<9.77E-01	<1.05E+00
T-312	3,563	3,199	5	4	929	6	8	22	395	143	316	210	109	94	5	3
T-313	80	72	5	4	10	4	5	4	3	<1.02E+00	<1.08E+00	<1.01E+00	7	<1.00E+00	<9.85E-01	<1.06E+00
T-314	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-401	84	76	7	5	4	4	3	4	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	5	4
T-402	56	50	6	9	<1.18E+00	3	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	13	<1.08E+00	<1.16E+00
T-403	<1.48E+01	<1.33E+01	<1.21E+00	<1.24E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.16E+00
T-404	<1.47E+01	<1.32E+01	4	6	<1.16E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.06E+00	<1.15E+00
T-405	57	51	4	4	<1.13E+00	5	<1.16E+00	5	<1.06E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.06E+00	5	3
T-406	<1.44E+01	<1.29E+01	<1.18E+00	<1.21E+00	<1.14E+00	3	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.07E+00	<1.06E+00	<1.04E+00	4
T-407	48	43	4	5	<1.15E+00	3	6	6	<1.08E+00	<1.08E+00	<1.15E+00	<1.08E+00	4	<1.07E+00	2	<1.13E+00
T-408	77	69	14	7	<1.15E+00	<1.14E+00	<1.18E+00	14	<1.08E+00	<1.09E+00	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	2	<1.14E+00
T-409	65	58	12	4	<1.15E+00	2	3	12	<1.08E+00	2	<1.16E+00	<1.08E+00	<1.08E+00	<1.08E+00	3	<1.14E+00
T-410	<1.48E+01	<1.33E+01	<1.21E+00	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-501	59	53	6	3	<1.18E+00	5	5	5	<1.11E+00	<1.11E+00	<1.18E+00	<1.11E+00	3	<1.10E+00	5	<1.16E+00
T-502	49	44	5	4	<1.17E+00	5	3	5	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	9	<1.09E+00	3	4
T-503	<1.48E+01	<1.33E+01	3	<1.24E+00	<1.17E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	4	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.16E+00
T-504	<1.49E+01	<1.34E+01	<1.22E+00	<1.24E+00	<1.18E+00	<1.16E+00	<1.20E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	3	<1.16E+00
T-505	<1.46E+01	<1.31E+01	<1.19E+00	<1.22E+00	<1.15E+00	<1.14E+00	<1.18E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.15E+00	<1.08E+00	3	<1.08E+00	3	<1.14E+00
T-506	<1.46E+01	<1.31E+01	<1.20E+00	<1.22E+00	<1.16E+00	<1.14E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.09E+00	<1.16E+00	<1.09E+00	3	<1.08E+00	2	<1.14E+00
T-507	40	36	5	4	<1.16E+00	5	6	5	<1.09E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.09E+00	<1.08E+00	2	<1.14E+00
T-508	<1.47E+01	<1.32E+01	4	3	<1.16E+00	3	3	4	<1.09E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.09E+00	<1.08E+00	<1.06E+00	2
T-509	77	69	8	4	5	5	6	5	<1.09E+00	12	<1.16E+00	<1.09E+00	<1.09E+00	<1.08E+00	6	4
T-510	<1.48E+01	<1.33E+01	3	<1.23E+00	3	3	<1.19E+00	<1.18E+00	<1.10E+00	4	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00
T-601	40	36	6	6	3	<1.18E+00	<1.22E+00	<1.21E+00	<1.12E+00	<1.12E+00	<1.19E+00	<1.12E+00	<1.12E+00	<1.11E+00	5	<1.18E+00
T-602	100	89	9	9	<1.19E+00	5	7	5	<1.12E+00	7	<1.19E+00	5	<1.12E+00	<1.11E+00	5	<1.17E+00
T-603	210	188	6	7	<1.19E+00	4	12	6	5	9	5	7	12	4	6	<1.17E+00
T-604	<1.51E+01	<1.35E+01	5	4	<1.19E+00	2	<1.21E+00	<1.21E+00	<1.12E+00	<1.12E+00	<1.19E+00	<1.12E+00	<1.12E+00	<1.11E+00	<1.09E+00	<1.17E+00
T-605	96	87	6	5	8	2	11	8	<1.07E+00	<1.07E+00	<1.14E+00	<1.07E+00	2	<1.06E+00	4	<1.12E+00
T-606	30	27	3	3	<1.16E+00	2	<1.18E+00	<1.18E+00	<1.09E+00	6	<1.16E+00	<1.09E+00	<1.09E+00	<1.08E+00	<1.06E+00	<1.14E+00
T-607	208	187	30	7	4	8	28	18	<1.06E+00	3	<1.13E+00	<1.06E+00	4	<1.05E+00	<1.03E+00	2
T-608	174	157	11	3	7	6	15	16	<1.09E+00	<1.09E+00	<1.16E+00	5	<1.09E+00	4	4	<1.14E+00
T-609	173	156	13	6	<1.16E+00	11	11	9	<1.09E+00	<1.09E+00	<1.16E+00	6	<1.09E+00	4	<1.06E+00	<1.14E+00
T-610	<1.48E+01	<1.33E+01	3	<1.23E+00	<1.17E+00	<1.15E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.09E+00	<1.07E+00	<1.15E+00

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

Sample Number	Total Non-Methane Hydrocarbons-C1	Total Non-Methane Hydrocarbons-C6	Propane	Ethane	n-Decane	Propene	n-Butane	i-Pentane	1,3,5-Trimethylbenzene	1,3-Diethylbenzene	n-Nonane	2-Ethyltoluene	1,2,4-Trimethylbenzene	m,p-xylene	Benzene	Ethene
CAS	TNMHC C1	TNMHC C6	74-98-6	74-84-0	124-18-5	115-07-1	106-97-8	78-78-4	108-67-8	141-93-5	111-84-2	611-14-3	95-63-6	108-38-3	71-43-2	74-85-1
MW	16	86.2	44.1	30.1	142.3	42.1	58.1	72.2	120.2	134.2	128.3	120.2	120.2	106.2	78.1	28.1
Flux (mg/m2-min)																
T-101	<1.30E-03	<1.17E-03	0.00039	0.00034	<1.03E-04	<1.02E-04	<1.05E-04	<1.05E-04	<9.67E-05	<9.71E-05	<1.03E-04	<9.67E-05	<9.67E-05	<9.61E-05	<9.42E-05	<1.02E-04
T-102	0.00177	0.00159	0.00024	<6.85E-05	<6.48E-05	0.00018	<6.61E-05	<6.57E-05	<6.08E-05	<6.11E-05	<6.49E-05	<6.08E-05	<6.08E-05	<6.04E-05	<5.93E-05	<6.40E-05
T-103	<1.11E-03	<9.99E-04	<9.09E-05	0.00025	<8.80E-05	<8.67E-05	<8.98E-05	<8.93E-05	<8.26E-05	<8.30E-05	<8.81E-05	<8.26E-05	<8.26E-05	<8.21E-05	<8.05E-05	<8.68E-05
T-104	0.02185	0.01962	<5.85E-05	<5.99E-05	<5.66E-05	0.00251	<5.78E-05	<5.75E-05	0.00029	0.00064	0.00023	0.00209	0.00148	0.00146	<5.18E-05	<5.59E-05
T-105	0.00166	0.00149	0.00041	0.00024	<4.90E-05	0.00019	<5.00E-05	0.00019	<4.60E-05	<4.62E-05	<4.91E-05	<4.60E-05	<4.60E-05	<4.57E-05	<4.48E-05	<4.83E-05
T-106	<6.82E-04	<6.12E-04	<5.57E-05	0.00015	<5.39E-05	0.00015	<5.50E-05	0.00021	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05	<5.03E-05	<4.93E-05	<5.32E-05
T-107	0.00549	0.00493	0.00040	0.00028	<7.12E-05	0.00021	0.00069	0.00082	<6.68E-05	0.00016	<7.13E-05	<6.68E-05	<6.68E-05	<6.64E-05	0.00030	<7.03E-05
T-108	0.01295	0.01163	0.00074	0.00064	<1.71E-04	<1.69E-04	0.00039	0.00108	<1.60E-04	0.00036	<1.71E-04	<1.60E-04	0.00187	<1.59E-04	0.00072	<1.69E-04
T-109	0.00145	0.00130	<5.50E-05	0.00013	<5.32E-05	0.00014	0.00016	0.00026	<5.00E-05	<5.02E-05	<5.33E-05	<5.00E-05	<5.00E-05	<4.97E-05	<4.87E-05	<5.26E-05
T-110	0.00169	0.00152	0.00017	<5.08E-05	<4.80E-05	0.00025	0.00018	0.00021	<4.51E-05	<4.53E-05	<4.81E-05	<4.51E-05	<4.51E-05	<4.48E-05	<4.39E-05	<4.74E-05
T-111	0.00953	0.00856	<3.33E-04	<3.40E-04	<3.22E-04	<3.17E-04	<3.29E-04	<3.27E-04	<3.02E-04	<3.04E-04	<3.23E-04	<3.02E-04	<3.02E-04	<3.00E-04	0.00092	<3.18E-04
T-112	0.00601	0.00540	0.00117	0.00085	<6.15E-05	0.00100	0.00062	<6.24E-05	<5.77E-05	<5.80E-05	<6.16E-05	<5.77E-05	0.00045	<5.74E-05	<5.63E-05	0.00019
T-113	0.00520	0.00467	0.00092	0.00066	<5.39E-05	0.00082	0.00053	<5.47E-05	<5.06E-05	<5.08E-05	<5.40E-05	<5.06E-05	<5.06E-05	<5.03E-05	<4.93E-05	<5.32E-05
T-114	<6.18E-04	<5.55E-04	<5.04E-05	<5.16E-05	<4.88E-05	<4.81E-05	<4.98E-05	<4.95E-05	<4.58E-05	<4.60E-05	<4.89E-05	<4.58E-05	<4.58E-05	<4.55E-05	<4.47E-05	<4.82E-05
T-201	0.00220	0.00198	0.00053	0.00015	<5.52E-05	<5.45E-05	<5.64E-05	<5.60E-05	<5.18E-05	<5.21E-05	<5.53E-05	<5.18E-05	<5.18E-05	<5.15E-05	<5.05E-05	<5.45E-05
T-202	0.00253	0.00227	0.00035	0.00040	<6.06E-05	0.00012	0.00023	<6.15E-05	<5.69E-05	<5.72E-05	<6.07E-05	<5.69E-05	<5.69E-05	<5.66E-05	<5.55E-05	<5.99E-05
T-203	0.00152	0.00137	0.00010	0.00011	<4.65E-05	<4.58E-05	<4.75E-05	0.00011	<4.36E-05	<4.38E-05	<4.66E-05	<4.36E-05	<4.36E-05	<4.34E-05	<4.25E-05	<4.59E-05
T-204	0.00204	0.00184	0.00020	0.00019	<6.37E-05	0.00015	0.00022	0.00034	<5.97E-05	<6.00E-05	<6.38E-05	<5.97E-05	<5.97E-05	<5.94E-05	<5.82E-05	<6.28E-05
T-205	0.00262	0.00235	0.00040	0.00016	<4.99E-05	0.00021	<5.10E-05	<5.07E-05	<4.69E-05	0.00016	<5.00E-05	<4.69E-05	<4.69E-05	<4.66E-05	<4.57E-05	<4.93E-05
T-206	0.00235	0.00211	<7.95E-05	<8.14E-05	0.00039	<7.59E-05	0.00036	<7.81E-05	<7.23E-05	0.00022	<7.71E-05	<7.23E-05	0.00017	<7.18E-05	0.00020	<7.60E-05
T-207	0.00357	0.00321	0.00018	<5.31E-05	0.00027	0.00021	0.00020	<5.09E-05	<4.71E-05	<4.74E-05	<5.03E-05	<4.71E-05	<4.71E-05	0.00034	0.00040	<4.96E-05
T-208	<6.44E-04	<5.78E-04	<5.26E-05	<5.39E-05	<5.09E-05	<5.02E-05	<5.20E-05	<5.17E-05	<4.78E-05	<4.80E-05	<5.10E-05	<4.78E-05	<4.78E-05	<4.75E-05	<4.66E-05	<5.03E-05
T-209	0.00602	0.00540	0.00014	<5.10E-05	0.00028	0.00016	<4.93E-05	<4.90E-05	0.00010	<4.55E-05	<4.84E-05	0.00010	0.00038	0.00022	0.00124	<4.77E-05
T-210	0.00234	0.00210	0.00018	<5.67E-05	<5.36E-05	0.00013	0.00014	0.00035	<5.03E-05	0.00014	<5.37E-05	<5.03E-05	0.00011	<5.00E-05	<4.91E-05	0.00013
T-211	0.00302	0.00272	0.00014	0.00029	<5.02E-05	0.00019	0.00018	0.00032	<4.71E-05	0.00019	<5.03E-05	<4.71E-05	0.00011	<4.69E-05	0.00029	0.00012
T-212	0.00304	0.00273	<4.78E-05	<4.90E-05	<4.63E-05	<4.57E-05	<4.73E-05	<4.70E-05	<4.35E-05	0.00012	<4.64E-05	<4.35E-05	0.00024	<4.32E-05	<4.24E-05	<4.57E-05
T-213	0.00238	0.00214	<5.37E-05	<5.50E-05	<5.20E-05	<5.13E-05	0.00016	<5.28E-05	0.00018	0.00011	<5.21E-05	<4.88E-05	0.00032	<4.85E-05	<4.76E-05	<5.13E-05
T-214	<6.76E-04	<6.07E-04	0.00018	<5.66E-05	<5.35E-05	0.00015	0.00018	0.00030	<5.02E-05	<5.04E-05	<5.36E-05	<5.02E-05	<5.02E-05	<4.99E-05	<4.89E-05	<5.28E-05
T-301	0.01733	0.01556	0.00041	0.00023	<8.48E-05	0.00026	0.00039	0.00060	<7.96E-05	0.00136	<8.49E-05	<7.96E-05	0.00028	0.00033	0.00018	<8.37E-05
T-302	0.00988	0.00887	0.00107	0.00014	<4.69E-05	0.00021	0.00105	0.00031	<4.40E-05	0.00013	<4.70E-05	0.00015	0.00037	0.00011	0.00015	<4.63E-05
T-303	<6.41E-04	<5.76E-04	<5.24E-05	0.00014	<5.07E-05	<5.00E-05	<5.17E-05	<5.14E-05	<4.76E-05	<4.78E-05	<5.08E-05	<4.76E-05	<4.76E-05	<4.73E-05	0.00010	<5.00E-05
T-304	0.00443	0.00398	0.00027	0.00029	<5.80E-05	0.00014	0.00032	0.00066	<5.45E-05	0.00044	<5.81E-05	<5.45E-05	<5.45E-05	<5.41E-05	0.00014	0.00032
T-305	0.03198	0.02872	0.00052	0.00023	0.00036	0.00033	0.00019	0.00076	<8.35E-05	0.01003	<8.91E-05	0.00074	0.00285	0.00026	0.00028	<8.78E-05
T-306	0.05529	0.04965	0.00100	0.00071	0.00153	0.00066	0.00043	0.00156	0.00113	0.00038	0.00625	0.00106	0.00142	0.01020	0.00113	0.00038
T-307	0.01965	0.01764	0.00176	0.00050	<6.76E-05	0.00053	0.00261	<6.86E-05	<6.35E-05	0.00077	<6.77E-05	<6.35E-05	0.00024	0.00017	0.00033	0.00047
T-308	0.00203	0.00182	<7.32E-05	0.00019	<7.09E-05	<6.99E-05	<7.23E-05	<7.19E-05	<6.65E-05	<6.68E-05	<7.10E-05	<6.65E-05	<6.65E-05	<6.61E-05	0.00016	0.00025
T-309	0.00469	0.00422	0.00021	0.00014	0.00039	0.00022	0.00025	0.00021	0.00013	<4.51E-05	0.00017	0.00012	0.00018	<4.46E-05	0.00014	0.00011
T-310	0.00435	0.00390	0.00020	0.00023	<5.93E-05	0.00020	<6.05E-05	0.00074	<5.56E-05	<5.59E-05	<5.94E-05	<5.56E-05	<5.56E-05	<5.53E-05	0.00041	<5.85E-05
T-311	0.00283	0.00254	0.00032	<7.28E-05	<6.89E-05	0.00020	<7.03E-05	<6.99E-05	<6.46E-05	0.00022	<6.90E-05	<6.46E-05	<6.46E-05	<6.42E-05	<6.30E-05	<6.80E-05
T-312	0.17664	0.15860	0.00025	0.00021	0.04603	0.00032	0.00040	0.00109	0.01959	0.00711	0.01568	0.01043	0.00541	0.00465	0.00025	0.00017
T-313	0.00315	0.00282	0.00018	0.00014	0.00038	0.00016	0.00021	0.00018	0.00011	<4.01E-05	<4.26E-05	<3.99E-05	0.00029	<3.96E-05	<3.89E-05	<4.19E-05
T-314	<6.05E-04	<5.43E-04	<4.94E-05	<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05	<4.46E-05	<4.38E-05	<4.72E-05
T-401	0.00561	0.00504	0.00049	0.00031	0.00025	0.00029	0.00020	0.00025	<7.30E-05	<7.33E-05	<7.79E-05	<7.30E-05	<7.30E-05	<7.25E-05	0.00031	0.00026
T-402	0.00316	0.00284	0.00034	0.00054	<6.67E-05	0.00020	<6.81E-05	<6.77E-05	<6.26E-05	<6.29E-05	<6.69E-05	<6.26E-05	<6.26E-05	0.00072	<6.10E-05	<6.59E-05
T-403	<6.05E-04	<5.43E-04	<4.94E-05	<5.06E-05	<4.78E-05	<4.72E-05	<4.88E-05	<4.85E-05	<4.49E-05	<4.51E-05	<4.79E-05	<4.49E-05	<4.49E-05	<4.46E-05	<4.38E-05	<4.72E-05
T-404	<1.25E-03	<1.13E-03	0.00036	0.00053	<9.91E-05	<9.77E-05	<1.01E-04	<1.01E-04	<9.30E-05	<9.34E-05	<9.92E-05	<9.30E-05	<9.30E-05	<9.24E-05	<9.06E-05	<9.78E-05
T-405	0.00254	0.00228	0.00018	0.00016	<5.05E-05	0.00021	<5.15E-05	0.00022	<4.74E-05	<4.76E-05	<5.06E-05	<4.74E-05	<4.74E-05	<4.71E-05	0.00020	0.00013
T-406	<7.98E-04	<7.17E-04	<6.52E-05	<6.68E-05	<6.31E-05	0.00015	<6.44E-05	<6.40E-05	<5.92E-05	<5.95E-05	<6.32E-05	<5.92E-05	<5.92E-05	<5.89E-05	<5.77E-05	0.00023
T-407	0.00195	0.00175	0.00015	0.00021	<4.63E-05	0.00014	0.00023	0.00023	<4.35E-05	<4.37E-05	<4.64E-05	<4.35E-05	0.00016	<4.32E-05	0.00010	<4.57E-05
T-408	0.00362	0.00325	0.00064	0.00033	<5.40E-05	<5.33E-05	<5.51E-05	0.00065	<5.07E-05	<5.10E-05	<5.41E-05	<5.07E-05	<5.07E-05	<5.04E-05	0.00011	<5.33E-05
T-409	0.00295	0.00265	0.00056	0.00016	<5.27E-05	0.00011	0.00013	0.00056	<4.95E-05	0.00010	<5.28E-05	<4.95E-05	<4.95E-05	<4.92E-05	0.00015	<5.20E-05
T-410	<5.77E-04	<5.18E-04	<4.71E-05	<4.83E-05	<4.56E-05	<4.50E-05	<4.66E-05	<4.63E-05	<4.28E-05	<4.30E-05	<4.57E-05	<4.28E-05	<4.28E-05	<4.26E-05	<4.17E-05	<4.51E-05
T-501	0.00260	0.00233	0.00025	0.00015	<5.15E-05	0.00024	0.00024	0.00022	<4.83E-05	<4.86E-05	<5.16E-05	<4.83E-05	0.00012	<4.80E-05	0.00020	<5.08E-05
T-502	0.00228	0.00204	0.00022	0.00018	<5.46E-05	0.00024	0.00016	0.00021	<5.13E-05	<5.15E-05	<5.47E-05	<5.13E-05	0.00041	<5.10E-05	0.00015	0.00019
T-503	<6.42E-04	<5.77E-04	0.00013	<5.37E-05	<5.08E-05	<5.01E-05	<5.18E-05	<5.15E-05	<4.77E-05	0.00017	<5.09E-05	<4.77E-05	<4.77E-05	<4.74E-05	<4.65E-05	<5.01E-05
T-504	<7.19E-04	<6.46E-04	<5.87E-05	<6.01E-05	<5.68E-05	<5.60E-05	<5.80E-05	<5.77E-05	<5.33E-05	<5.36E-05	<5.69E-05	<5.33E-05	<5.33E-05	<5.30E-05	0.00014	<5.61E-05
T-505	<7.07E-04	<6.35E-04	<5.77E-05	<5.91E-05	<5.59E-05	<5.51E-05	<5.70E-05	<5.67E-05	<5.24E-05	<5.27E-05	<5.60E-05	<5.24E-05	0.00015	<5.21E-05	0.00013	<5.52E-05
T-506	<6.63E-04	<5.96E-04	<5.42E-05	<5.55E-05	<5.24E-05	<5.17E-05	<5.35E-05	<5.32E-05	<4.92E-05	<4.95E-05	<5.25E-05	<4.92E-05	0.00014	<4.89E-05	0.00011	<5.18E-05
T-507	0.00205	0.00184	0.00026	0.00018	<5.86E-05	0.00024	0.00030	0.00026	<5.50E-05	<5.52E-05	<5.87E-05	<5.50E-05	<5.50E-05	<5.46E-05	0.00012	<5.78E-05
T-508	<8.82E-04	<7.92E-04	0.00022	0.00021	<6.97E-05	0.00018	0.00017	0.00024	<6.55E-05	<6.58E-05	<6.99E-05	<6.55E-05	<6.55E-05	<6.51E-05	<6.38E-05	0.00014
T-509	0.00329	0.00295	0.00034	0.00019	0.00021	0.00022	0.00026	0.00024	<4.65E-05	0.00050	<4.96E-05	<4.65E-05	<4.65E-05	<4.62E-05	0.00026	0.00019
T-510	<6.42E-04	<5.77E-04	0.00015	<5.37E-05	0.00013	0.00014	<5.18E-05	<5.15E-05	<4.76E-05	0.00017	<5.09E-05	<4.76E-05	<4.76E-05	<4.74E-05	<4.64E-05	<5.01E-05
T-601	0.00202	0.00181	0.00030	0.00031	0.00015	<5.91E-05	<6.11E-05	<6.08E-05	<5.62E-05	<5.65E-05	<6.00E-05	<5.62E-05	<5.62E-05	<5.59E-05	0.00023	<5.91E-05
T-602	0.00468	0.00420	0.00043	0.00041	<5.59E-05	0.00023	0.00034	0.00025	<5.24E-05	0.00031	<5.60E-05	0.00026	<5.24E-05	<5.21E-05	0.00021	<5.52E-05
T-603	0.01230	0.01105	0.00038	0.00038	<6.96E-05	0.00024	0.00068	0.00035	0.00032	0.00056	0.00028	0.00044	0.00068	0.00024	0.00033	<6.88E-05
T-604	<6.46E-04	<5.80E-04	0.00023	0.00018	<5.11E-05	0.00010	<5.21E-05	<5.18E-05	<4.79E-05	<4.82E-05	<5.11E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.67E-05	<5.04E-05
T-605	0.00876	0.00787	0.00050	0.00045	0.00075	0.00021	0.00099	0.00071	<9.69E-05	<9.74E-05	<1.03E-04	<9.69E-05	0.00020	<9.64E-05	0.00035	<1.02E-04
T-606	0.00142	0.00127	0.00013	0.00013	<5.48E-05	0.00011	<5.59E-05	<5.56E-05	<5.14E-05	0.00029	<5.49E-05	<5.14E-05	<5.14E-05	<5.11E-05	<5.01E-05	<5.41E-05
T-607	0.01757	0.01578	0.00257	0.00057	0.00031	0.00069	0.00236	0.00155	<8.92E-05	0.00024	<9.52E-05	<8.92E-05	0.00031	<8.86E-05	<8.69E-05	0.00020
T-608	0.01798	0.01614	0.00110	0.00034	0.00074	0.00064	0.00150	0.00163	<1.12E-04	<1.12E-04	<1.19E-04	0.00050	<1.12E-04	0.00045	0.00045	<1.18E-04
T-609	0.01642	0.01475	0.00126	0.00062	<1.10E-04	0.00100	0.00105	0.00089	<1.03E-04	<1.03E-04	<1.10E-04	0.00058	<1.03E-04	0.00037	<1.00E-04	<1.08E-04
T-610	<6.45E-04	<5.79E-04	0.00013	<5.40E-05	<5.10E-05	<5.03E-05	<5.21E-05	<5.18E-05	<4.79E-05	<4.81E-05	<5.11E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.67E-05	<5.04E-05

Table 4
Chiquita Canyon
TO-14 Compou

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

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	n-propylbenzene	Undecane	t-2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-xylene	1,4-Diethylbenzene	1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane
CAS	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7
MW	120.2	156.3	56.1	120.2	86.2	100.2	72.1	100.2	106.2	134.2	56.1	100.2	86.2	86.2	120.2	84.2
MDL (ppbv)																
T-101	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-102	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-103	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-104	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-105	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-106	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-107	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-108	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-109	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-110	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-111	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-112	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-113	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-114	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-201	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-202	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-203	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-204	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-205	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-206	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-207	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-208	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-209	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-210	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-211	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-212	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-213	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-214	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-301	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-302	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-303	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-304	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-305	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-306	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-307	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-308	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-309	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-310	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-311	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-312	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-313	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-314	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-401	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-402	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-403	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-404	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-405	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-406	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-407	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-408	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-409	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-410	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-501	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-502	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-503	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-504	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-505	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-506	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-507	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-508	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-509	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-510	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-601	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-602	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-603	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-604	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-605	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-606	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-607	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-608	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-609	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667
T-610	0.4444444	0.3636364	1	0.4444444	0.6666667	0.5714286	0.8	0.5714286	0.5	0.4	1	0.5714286	0.6666667	0.6666667	0.4444444	0.6666667

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	n-propylbenzene	Undecane	t-2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-xylene	1,4-Diethylbenzene	1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane
CAS	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7
MW	120.2	156.3	56.1	120.2	86.2	100.2	72.1	100.2	106.2	134.2	56.1	100.2	86.2	86.2	120.2	84.2
Data used (ug/n																
T-101	<1.08E+00	<1.15E+00	<1.13E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	3	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.13E+00
T-102	<1.08E+00	<1.15E+00	4	<1.08E+00	3	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	2	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.14E+00
T-103	4	<1.16E+00	3	<1.09E+00	<1.17E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.15E+00
T-104	63	3	<1.17E+00	10	<1.20E+00	8	<1.21E+00	<1.20E+00	3	<1.12E+00	<1.17E+00	<1.20E+00	<1.20E+00	<1.20E+00	39	<1.18E+00
T-105	<1.06E+00	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.12E+00
T-106	<1.06E+00	<1.12E+00	<1.11E+00	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.11E+00
T-107	<1.05E+00	<1.11E+00	<1.10E+00	<1.05E+00	5	<1.12E+00	3	<1.12E+00	<1.04E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-108	<1.04E+00	<1.11E+00	<1.09E+00	<1.04E+00	<1.12E+00	<1.11E+00	6	<1.11E+00	2	<1.04E+00	<1.09E+00	<1.11E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.09E+00
T-109	<1.03E+00	<1.10E+00	<1.08E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.04E+00	4	<1.11E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.08E+00
T-110	<1.06E+00	<1.13E+00	3	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.13E+00	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	4	<1.06E+00	<1.11E+00
T-111	<1.02E+00	<1.09E+00	<1.07E+00	<1.02E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.02E+00	<1.03E+00	<1.07E+00	<1.10E+00	<1.10E+00	4	<1.02E+00	<1.08E+00
T-112	<1.05E+00	<1.11E+00	<1.10E+00	<1.05E+00	2	<1.12E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	3	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-113	<1.05E+00	<1.11E+00	8	<1.05E+00	4	<1.12E+00	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	3	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-114	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-201	<1.11E+00	<1.18E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	2	<1.19E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.19E+00	6	<1.11E+00	<1.16E+00
T-202	<1.11E+00	<1.18E+00	3	4	<1.19E+00	<1.19E+00	3	<1.19E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-203	<1.11E+00	<1.19E+00	<1.17E+00	<1.11E+00	4	4	<1.20E+00	<1.19E+00	<1.11E+00	<1.12E+00	<1.17E+00	<1.19E+00	<1.20E+00	<1.20E+00	<1.11E+00	<1.17E+00
T-204	<1.12E+00	<1.19E+00	<1.18E+00	<1.12E+00	<1.21E+00	<1.20E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.13E+00	<1.18E+00	<1.20E+00	<1.21E+00	3	<1.12E+00	<1.18E+00
T-205	<1.08E+00	<1.15E+00	<1.14E+00	<1.08E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	5	5	<1.16E+00	<1.17E+00	<1.17E+00	2	<1.14E+00
T-206	<1.07E+00	<1.14E+00	<1.13E+00	<1.07E+00	<1.16E+00	<1.15E+00	<1.16E+00	<1.15E+00	<1.07E+00	<1.08E+00	<1.13E+00	<1.15E+00	<1.16E+00	4	<1.07E+00	<1.13E+00
T-207	5	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	5	<1.06E+00	<1.12E+00
T-208	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	4	<1.10E+00	<1.15E+00
T-209	6	<1.13E+00	<1.12E+00	4	<1.15E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	2	<1.12E+00	<1.14E+00	<1.15E+00	5	<1.07E+00	<1.12E+00
T-210	<1.06E+00	<1.13E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	3	<1.06E+00	<1.12E+00
T-211	3	<1.13E+00	3	<1.06E+00	<1.14E+00	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.12E+00
T-212	<1.06E+00	<1.12E+00	3	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	5	2	2	<1.11E+00	<1.13E+00	<1.14E+00	<1.14E+00	3	<1.11E+00
T-213	<1.06E+00	<1.12E+00	2	<1.06E+00	<1.14E+00	<1.13E+00	<1.14E+00	6	<1.05E+00	<1.06E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.11E+00
T-214	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-301	6	<1.18E+00	3	3	29	<1.19E+00	<1.19E+00	6	3	<1.11E+00	<1.16E+00	12	47	<1.19E+00	<1.11E+00	17
T-302	9	<1.20E+00	4	7	9	3	9	8	<1.12E+00	<1.13E+00	<1.18E+00	6	7	3	<1.13E+00	9
T-303	<1.10E+00	<1.17E+00	<1.16E+00	<1.10E+00	<1.19E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.18E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.16E+00
T-304	3	<1.18E+00	4	<1.11E+00	<1.19E+00	<1.19E+00	2	<1.19E+00	<1.10E+00	<1.11E+00	3	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-305	<1.02E+00	4	<1.07E+00	10	<1.09E+00	<1.09E+00	<1.10E+00	7	<1.01E+00	<1.02E+00	<1.07E+00	<1.09E+00	14	<1.09E+00	7	14
T-306	3	<1.10E+00	<1.09E+00	16	6	<1.11E+00	<1.12E+00	<1.11E+00	24	<1.04E+00	4	<1.11E+00	<1.11E+00	<1.11E+00	5	2
T-307	13	<1.10E+00	3	4	12	5	26	11	5	<1.04E+00	<1.08E+00	6	8	9	<1.03E+00	16
T-308	<1.05E+00	<1.11E+00	4	<1.05E+00	3	3	<1.13E+00	<1.12E+00	<1.04E+00	<1.05E+00	<1.10E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-309	9	4	4	6	3	<1.09E+00	<1.10E+00	<1.09E+00	2	<1.02E+00	<1.07E+00	<1.09E+00	<1.09E+00	<1.09E+00	3	<1.07E+00
T-310	8	<1.04E+00	<1.02E+00	3	<1.05E+00	<1.04E+00	<1.05E+00	3	<9.68E-01	<9.79E-01	3	<1.04E+00	<1.05E+00	<1.05E+00	<9.74E-01	<1.02E+00
T-311	11	<1.07E+00	<1.05E+00	2	<1.08E+00	<1.07E+00	<1.08E+00	<1.07E+00	<9.96E-01	<1.01E+00	<1.05E+00	<1.07E+00	<1.08E+00	<1.08E+00	<1.00E+00	<1.05E+00
T-312	22	187	<1.06E+00	68	<1.09E+00	91	<1.09E+00	6	44	115	<1.06E+00	42	4	<1.09E+00	27	<1.06E+00
T-313	<1.01E+00	5	<1.06E+00	<1.01E+00	3	<1.08E+00	<1.09E+00	<1.08E+00	<1.00E+00	<1.02E+00	<1.06E+00	<1.08E+00	<1.09E+00	4	<1.01E+00	<1.06E+00
T-314	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-401	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	3	<1.17E+00	6	<1.17E+00	4	<1.10E+00	5	<1.17E+00	<1.18E+00	3	<1.10E+00	<1.15E+00
T-402	<1.10E+00	<1.17E+00	3	<1.10E+00	<1.19E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.10E+00	3	<1.16E+00	<1.18E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.16E+00
T-403	<1.10E+00	<1.17E+00	4	<1.10E+00	<1.18E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-404	<1.09E+00	<1.16E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.17E+00	3	<1.09E+00	<1.15E+00
T-405	<1.06E+00	<1.13E+00	4	<1.06E+00	3	<1.14E+00	<1.15E+00	<1.14E+00	<1.06E+00	<1.07E+00	<1.12E+00	<1.14E+00	<1.14E+00	3	<1.06E+00	<1.12E+00
T-406	<1.07E+00	<1.14E+00	3	<1.07E+00	<1.15E+00	<1.15E+00	<1.16E+00	<1.15E+00	<1.06E+00	<1.08E+00	<1.12E+00	<1.15E+00	<1.15E+00	3	<1.07E+00	<1.12E+00
T-407	<1.08E+00	<1.15E+00	<1.13E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.07E+00	<1.08E+00	2	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.13E+00
T-408	<1.08E+00	<1.15E+00	<1.14E+00	<1.08E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	3	5	<1.16E+00	<1.17E+00	<1.17E+00	<1.08E+00	3
T-409	<1.08E+00	<1.15E+00	<1.14E+00	<1.08E+00	2	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	<1.14E+00	<1.16E+00	<1.17E+00	<1.17E+00	<1.08E+00	<1.14E+00
T-410	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-501	10	<1.18E+00	<1.16E+00	<1.11E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.11E+00	<1.16E+00	<1.19E+00	<1.19E+00	<1.19E+00	<1.11E+00	<1.16E+00
T-502	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-503	<1.10E+00	<1.17E+00	<1.16E+00	<1.10E+00	<1.18E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.09E+00	<1.11E+00	<1.16E+00	<1.18E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.16E+00
T-504	<1.10E+00	<1.17E+00	5	<1.10E+00	<1.19E+00	<1.18E+00	<1.19E+00	<1.18E+00	<1.10E+00	<1.11E+00	3	<1.18E+00	<1.19E+00	<1.19E+00	<1.10E+00	<1.16E+00
T-505	<1.08E+00	<1.15E+00	5	<1.08E+00	<1.16E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	<1.14E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.14E+00
T-506	<1.09E+00	<1.16E+00	4	<1.09E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	4	<1.16E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-507	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	<1.17E+00	<1.16E+00	<1.17E+00	<1.16E+00	<1.08E+00	<1.09E+00	<1.14E+00	<1.16E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-508	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.14E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-509	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.08E+00	<1.09E+00	<1.14E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-510	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00
T-601	<1.12E+00	<1.19E+00	<1.17E+00	<1.12E+00	3	<1.20E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.12E+00	3	<1.20E+00	<1.20E+00	<1.20E+00	<1.12E+00	<1.18E+00
T-602	3	5	<1.17E+00	4	7	<1.20E+00	<1.21E+00	<1.20E+00	4	<1.12E+00	<1.17E+00	<1.20E+00	<1.20E+00	<1.20E+00	<1.12E+00	<1.17E+00
T-603	5	10	<1.17E+00	12	<1.20E+00	<1.19E+00	<1.20E+00	13	8	5	<1.17E+00	12	<1.20E+00	<1.20E+00	<1.11E+00	<1.17E+00
T-604	4	<1.19E+00	<1.17E+00	<1.12E+00	<1.20E+00	<1.20E+00	<1.21E+00	<1.20E+00	<1.11E+00	<1.12E+00	<1.17E+00	<1.20E+00	<1.20E+00	<1.20E+00	<1.12E+00	<1.17E+00
T-605	<1.07E+00	<1.13E+00	<1.12E+00	3	<1.15E+00	<1.14E+00	4	<1.14E+00	4	<1.07E+00	<1.12E+00	2	<1.15E+00	3	<1.07E+00	<1.12E+00
T-606	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.17E+00	3	<1.08E+00	<1.09E+00	3	<1.17E+00	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-607	8	<1.12E+00	<1.11E+00	4	3	<1.13E+00	14	5	<1.05E+00	<1.06E+00	<1.11E+00	2	2	4	<1.06E+00	4
T-608	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	3	<1.16E+00	3	19	4	<1.09E+00	<1.14E+00	7	<1.17E+00	<1.17E+00	<1.09E+00	<1.14E+00
T-609	<1.09E+00	<1.16E+00	<1.14E+00	<1.09E+00	3	<1.16E+00	6	21	4	<1.09E+00	<1.14E+00	7	<1.17E+00	<1.17E+00	7	<1.14E+00
T-610	<1.10E+00	<1.17E+00	<1.15E+00	<1.10E+00	<1.18E+00	<1.17E+00	<1.18E+00	<1.17E+00	<1.09E+00	<1.10E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.18E+00	<1.10E+00	<1.15E+00

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number		n-propylbenzene	Undecane	t-2-Butene	4-Ethyltoluene	3-Methylpentane	2,4-Dimethylpentane	n-Pentane	3-Methylhexane	o-xylene	1,4-Diethylbenzene	1-Butene	2,3-Dimethylpentane	2-Methylpentane	n-Hexane	3-Ethyltoluene	Cyclohexane
	CAS	103-65-1	1120-21-4	624-64-6	622-96-8	96-14-0	108-08-7	109-66-0	589-34-4	95-47-6	105-05-5	106-98-9	565-59-3	107-83-5	110-54-3	620-14-4	110-82-7
	MW	120.2	156.3	56.1	120.2	86.2	100.2	72.1	100.2	106.2	134.2	56.1	100.2	86.2	86.2	120.2	84.2
Flux (mg/m2-mi																	
T-101		<9.67E-05	<1.03E-04	<1.02E-04	<9.67E-05	<1.04E-04	<1.04E-04	<1.04E-04	<1.04E-04	<9.61E-05	<9.71E-05	0.00029	<1.04E-04	<1.04E-04	<1.04E-04	<9.67E-05	<1.02E-04
T-102		<6.08E-05	<6.47E-05	0.00020	<6.08E-05	0.00018	<6.52E-05	<6.57E-05	<6.52E-05	<6.04E-05	<6.11E-05	0.00014	<6.52E-05	<6.54E-05	<6.54E-05	<6.08E-05	<6.39E-05
T-103		0.00031	<8.78E-05	0.00026	<8.26E-05	<8.88E-05	<8.85E-05	<8.91E-05	<8.85E-05	<8.21E-05	<8.30E-05	<8.67E-05	<8.85E-05	<8.88E-05	<8.88E-05	<8.26E-05	<8.67E-05
T-104		0.00299	0.00015	<5.58E-05	0.00046	<5.72E-05	0.00037	<5.74E-05	<5.70E-05	0.00013	<5.34E-05	<5.58E-05	<5.70E-05	<5.72E-05	<5.72E-05	0.00184	<5.58E-05
T-105		<4.60E-05	<4.89E-05	<4.83E-05	<4.60E-05	<4.94E-05	<4.93E-05	<4.96E-05	<4.93E-05	<4.57E-05	<4.62E-05	<4.83E-05	<4.93E-05	<4.94E-05	<4.94E-05	<4.60E-05	<4.83E-05
T-106		<5.06E-05	<5.38E-05	<5.31E-05	<5.06E-05	<5.44E-05	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05	<5.31E-05	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05
T-107		<6.68E-05	<7.11E-05	<7.01E-05	<6.68E-05	0.00029	<7.16E-05	0.00020	<7.16E-05	<6.64E-05	<6.71E-05	<7.01E-05	<7.16E-05	<7.19E-05	<7.19E-05	<6.68E-05	<7.02E-05
T-108		<1.60E-04	<1.71E-04	<1.68E-04	<1.60E-04	<1.73E-04	<1.72E-04	0.00098	<1.72E-04	0.00036	<1.61E-04	<1.68E-04	<1.72E-04	<1.73E-04	<1.73E-04	<1.60E-04	<1.69E-04
T-109		<5.00E-05	<5.32E-05	<5.25E-05	<5.00E-05	<5.38E-05	<5.36E-05	<5.40E-05	<5.36E-05	<4.97E-05	<5.02E-05	0.00021	<5.36E-05	<5.38E-05	<5.38E-05	<5.00E-05	<5.25E-05
T-110		<4.51E-05	<4.80E-05	0.00013	<4.51E-05	<4.85E-05	<4.83E-05	<4.87E-05	<4.83E-05	<4.48E-05	<4.53E-05	<4.73E-05	<4.83E-05	<4.85E-05	0.00016	<4.51E-05	<4.74E-05
T-111		<3.02E-04	<3.21E-04	<3.17E-04	<3.02E-04	<3.25E-04	<3.24E-04	<3.26E-04	<3.24E-04	<3.00E-04	<3.04E-04	<3.17E-04	<3.24E-04	<3.25E-04	0.00122	<3.02E-04	<3.17E-04
T-112		<5.77E-05	<6.14E-05	<6.06E-05	<5.77E-05	0.00014	<6.19E-05	<6.23E-05	<6.19E-05	<5.74E-05	<5.80E-05	0.00017	<6.19E-05	<6.21E-05	<6.21E-05	<5.77E-05	<6.07E-05
T-113		<5.06E-05	<5.38E-05	0.00036	<5.06E-05	0.00019	<5.42E-05	<5.46E-05	<5.42E-05	<5.03E-05	<5.08E-05	0.00015	<5.42E-05	<5.44E-05	<5.44E-05	<5.06E-05	<5.32E-05
T-114		<4.58E-05	<4.88E-05	<4.81E-05	<4.58E-05	<4.93E-05	<4.91E-05	<4.95E-05	<4.91E-05	<4.55E-05	<4.60E-05	<4.81E-05	<4.91E-05	<4.93E-05	<4.93E-05	<4.58E-05	<4.81E-05
T-201		<5.18E-05	<5.51E-05	<5.44E-05	<5.18E-05	<5.58E-05	<5.56E-05	0.00011	<5.56E-05	<5.15E-05	<5.21E-05	<5.44E-05	<5.56E-05	<5.58E-05	0.00030	<5.18E-05	<5.45E-05
T-202		<5.69E-05	<6.05E-05	0.00014	0.00019	<6.12E-05	<6.10E-05	0.00013	<6.10E-05	<5.66E-05	<5.72E-05	<5.98E-05	<6.10E-05	<6.12E-05	<6.12E-05	<5.69E-05	<5.98E-05
T-203		<4.36E-05	<4.64E-05	<4.58E-05	<4.36E-05	0.00016	0.00018	<4.71E-05	<4.68E-05	<4.34E-05	<4.38E-05	<4.58E-05	<4.68E-05	<4.69E-05	<4.69E-05	<4.36E-05	<4.58E-05
T-204		<5.97E-05	<6.36E-05	<6.27E-05	<5.97E-05	<6.43E-05	<6.40E-05	<6.45E-05	<6.40E-05	<5.94E-05	<6.00E-05	<6.27E-05	<6.40E-05	<6.43E-05	0.00017	<5.97E-05	<6.28E-05
T-205		<4.69E-05	<4.99E-05	<4.92E-05	<4.69E-05	<5.04E-05	<5.02E-05	<5.06E-05	<5.02E-05	<4.66E-05	0.00021	0.00021	<5.02E-05	<5.04E-05	<5.04E-05	0.00009	<4.92E-05
T-206		<7.23E-05	<7.69E-05	<7.59E-05	<7.23E-05	<7.77E-05	<7.74E-05	<7.80E-05	<7.74E-05	<7.18E-05	<7.26E-05	<7.59E-05	<7.74E-05	<7.77E-05	0.00029	<7.23E-05	<7.59E-05
T-207		0.00021	<5.01E-05	<4.95E-05	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.68E-05	<4.74E-05	<4.95E-05	<5.05E-05	<5.07E-05	0.00021	<4.71E-05	<4.95E-05
T-208		<4.78E-05	<5.08E-05	<5.02E-05	<4.78E-05	<5.14E-05	<5.12E-05	<5.16E-05	<5.12E-05	<4.75E-05	<4.80E-05	<5.02E-05	<5.12E-05	<5.14E-05	0.00016	<4.78E-05	<5.02E-05
T-209		0.00025	<4.82E-05	<4.76E-05	0.00016	<4.87E-05	<4.86E-05	<4.89E-05	<4.86E-05	<4.50E-05	0.00010	<4.76E-05	<4.86E-05	<4.87E-05	0.00022	<4.53E-05	<4.76E-05
T-210		<5.03E-05	<5.36E-05	<5.29E-05	<5.03E-05	<5.42E-05	<5.40E-05	<5.44E-05	<5.40E-05	<5.00E-05	<5.06E-05	<5.29E-05	<5.40E-05	<5.42E-05	0.00016	<5.03E-05	<5.29E-05
T-211		0.00015	<5.02E-05	0.00012	<4.71E-05	<5.07E-05	<5.05E-05	<5.09E-05	<5.05E-05	<4.69E-05	<4.74E-05	<4.95E-05	<5.05E-05	<5.07E-05	<5.07E-05	<4.71E-05	<4.95E-05
T-212		<4.35E-05	<4.62E-05	0.00011	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	0.00022	0.00009	0.00010	<4.56E-05	<4.66E-05	<4.67E-05	<4.67E-05	0.00014	<4.57E-05
T-213		<4.88E-05	<5.19E-05	0.00010	<4.88E-05	<5.25E-05	<5.23E-05	<5.27E-05	0.00026	<4.85E-05	<4.90E-05	<5.12E-05	<5.23E-05	<5.25E-05	<5.25E-05	<4.88E-05	<5.13E-05
T-214		<5.02E-05	<5.34E-05	<5.27E-05	<5.02E-05	<5.40E-05	<5.38E-05	<5.42E-05	<5.38E-05	<4.99E-05	<5.04E-05	<5.27E-05	<5.38E-05	<5.40E-05	<5.40E-05	<5.02E-05	<5.27E-05
T-301		0.00042	<8.47E-05	0.00021	0.00018	0.00210	<8.53E-05	<8.59E-05	0.00045	0.00025	<8.00E-05	<8.36E-05	0.00084	0.00341	<8.56E-05	<7.96E-05	0.00123
T-302		0.00034	<4.68E-05	0.00014	0.00028	0.00034	0.00012	0.00036	0.00030	<4.37E-05	<4.42E-05	<4.62E-05	0.00025	0.00027	0.00012	<4.40E-05	0.00036
T-303		<4.76E-05	<5.06E-05	<5.00E-05	<4.76E-05	<5.12E-05	<5.10E-05	<5.14E-05	<5.10E-05	<4.73E-05	<4.78E-05	<5.00E-05	<5.10E-05	<5.12E-05	<5.12E-05	<4.76E-05	<5.00E-05
T-304		0.00015	<5.79E-05	0.00018	<5.45E-05	<5.86E-05	<5.84E-05	0.00012	<5.84E-05	<5.41E-05	<5.47E-05	0.00014	<5.84E-05	<5.86E-05	<5.86E-05	<5.45E-05	<5.72E-05
T-305		<8.35E-05	0.00030	<8.76E-05	0.00084	<8.98E-05	<8.95E-05	<9.01E-05	0.00057	<8.30E-05	<8.39E-05	<8.76E-05	<8.95E-05	0.00113	<8.98E-05	0.00059	0.00114
T-306		0.00057	<1.89E-04	<1.87E-04	0.00283	0.00104	<1.91E-04	<1.92E-04	<1.91E-04	0.00413	<1.79E-04	0.00063	<1.91E-04	<1.91E-04	<1.91E-04	0.00086	0.00040
T-307		0.00083	<6.75E-05	0.00021	0.00025	0.00071	0.00033	0.00161	0.00068	0.00029	<6.38E-05	<6.66E-05	0.00035	0.00047	0.00056	<6.35E-05	0.00101
T-308		<6.65E-05	<7.08E-05	0.00025	<6.65E-05	0.00019	0.00018	<7.18E-05	<7.13E-05	<6.61E-05	<6.68E-05	<6.98E-05	<7.13E-05	<7.15E-05	<7.15E-05	<6.65E-05	<6.99E-05
T-309		0.00039	0.00016	0.00018	0.00027	0.00012	<4.81E-05	<4.84E-05	<4.81E-05	0.00010	<4.51E-05	<4.71E-05	<4.81E-05	<4.82E-05	<4.82E-05	0.00015	<4.71E-05
T-310		0.00045	<5.92E-05	<5.84E-05	0.00019	<5.99E-05	<5.96E-05	<6.01E-05	0.00015	<5.53E-05	<5.59E-05	0.00018	<5.96E-05	<5.99E-05	<5.99E-05	<5.56E-05	<5.85E-05
T-311		0.00073	<6.88E-05	<6.79E-05	0.00015	<6.95E-05	<6.93E-05	<6.98E-05	<6.93E-05	<6.42E-05	<6.49E-05	<6.79E-05	<6.93E-05	<6.95E-05	<6.95E-05	<6.46E-05	<6.79E-05
T-312		0.00110	0.00929	<5.26E-05	0.00336	<5.39E-05	0.00453	<5.41E-05	0.00030	0.00217	0.00569	<5.26E-05	0.00206	0.00022	<5.39E-05	0.00136	<5.27E-05
T-313		<3.99E-05	0.00021	<4.19E-05	<3.99E-05	0.00012	<4.27E-05	<4.30E-05	<4.27E-05	<3.96E-05	<4.01E-05	<4.19E-05	<4.27E-05	<4.29E-05	0.00016	<3.99E-05	<4.19E-05
T-314		<4.49E-05	<4.78E-05	<4.71E-05	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05	<4.71E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05
T-401		<7.30E-05	<7.76E-05	<7.66E-05	<7.30E-05	0.00020	<7.82E-05	0.00039	<7.82E-05	0.00028	<7.33E-05	0.00032	<7.82E-05	<7.85E-05	0.00022	<7.30E-05	<7.67E-05
T-402		<6.26E-05	<6.66E-05	0.00017	<6.26E-05	<6.74E-05	<6.71E-05	<6.76E-05	<6.71E-05	<6.23E-05	0.00017	<6.58E-05	<6.71E-05	<6.74E-05	<6.74E-05	<6.26E-05	<6.58E-05
T-403		<4.49E-05	<4.78E-05	0.00015	<4.49E-05	<4.83E-05	<4.81E-05	<4.85E-05	<4.81E-05	<4.46E-05	<4.51E-05	<4.72E-05	<4.81E-05	<4.83E-05	<4.83E-05	<4.49E-05	<4.72E-05
T-404		<9.30E-05	<9.89E-05	<9.76E-05	<9.30E-05	<1.00E-04	<9.96E-05	<1.00E-04	<9.96E-05	<9.24E-05	<9.34E-05	<9.76E-05	<9.96E-05	<1.00E-04	0.00024	<9.30E-05	<9.77E-05
T-405		<4.74E-05	<5.04E-05	0.00020	<4.74E-05	0.00012	<5.08E-05	<5.12E-05	<5.08E-05	<4.71E-05	<4.76E-05	<4.98E-05	<5.08E-05	<5.10E-05	0.00014	<4.74E-05	<4.98E-05
T-406		<5.92E-05	<6.30E-05	0.00015	<5.92E-05	<6.37E-05	<6.35E-05	<6.40E-05	<6.35E-05	<5.89E-05	<5.95E-05	<6.22E-05	<6.35E-05	<6.37E-05	0.00014	<5.92E-05	<6.22E-05
T-407		<4.35E-05	<4.62E-05	<4.56E-05	<4.35E-05	<4.67E-05	<4.66E-05	<4.69E-05	<4.66E-05	<4.32E-05	<4.37E-05	0.00010	<4.66E-05	<4.67E-05	<4.67E-05	<4.35E-05	<4.57E-05
T-408		<5.07E-05	<5.39E-05	<5.33E-05	<5.07E-05	<5.45E-05	<5.43E-05	<5.48E-05	<5.43E-05	<5.04E-05	0.00012	0.00026	<5.43E-05	<5.45E-05	<5.45E-05	<5.07E-05	0.00012
T-409		<4.95E-05	<5.26E-05	<5.20E-05	<4.95E-05	0.00011	<5.30E-05	<5.34E-05	<5.30E-05	<4.92E-05	<4.97E-05	<5.20E-05	<5.30E-05	<5.32E-05	<5.32E-05	<4.95E-05	<5.20E-05
T-410		<4.28E-05	<4.56E-05	<4.50E-05	<4.28E-05	<4.61E-05	<4.59E-05	<4.63E-05	<4.59E-05	<4.26E-05	<4.30E-05	<4.50E-05	<4.59E-05	<4.61E-05	<4.61E-05	<4.28E-05	<4.50E-05
T-501		0.00045	<5.14E-05	<5.07E-05	<4.83E-05	<5.20E-05	<5.18E-05	<5.22E-05	<5.18E-05	<4.80E-05	<4.86E-05	<5.07E-05	<5.18E-05	<5.20E-05	<5.20E-05	<4.83E-05	<5.08E-05
T-502		<5.13E-05	<5.45E-05	<5.38E-05	<5.13E-05	<5.52E-05	<5.49E-05	<5.54E-05	<5.49E-05	<5.10E-05	<5.15E-05	<5.38E-05	<5.49E-05	<5.52E-05	<5.52E-05	<5.13E-05	<5.39E-05
T-503		<4.77E-05	<5.07E-05	<5.00E-05	<4.77E-05	<5.13E-05	<5.11E-05	<5.15E-05	<5.11E-05	<4.74E-05	<4.79E-05	<5.00E-05	<5.11E-05	<5.13E-05	<5.13E-05	<4.77E-05	<5.01E-05
T-504		<5.33E-05	<5.67E-05	0.00024	<5.33E-05	<5.74E-05	<5.72E-05	<5.76E-05	<5.72E-05	<5.30E-05	<5.36E-05	0.00012	<5.72E-05	<5.74E-05	<5.74E-05	<5.33E-05	<5.60E-05
T-505		<5.24E-05	<5.58E-05	0.00024	<5.24E-05	<5.64E-05	<5.62E-05	<5.66E-05	<5.62E-05	<5.21E-05	<5.27E-05	<5.51E-05	<5.62E-05	<5.64E-05	<5.64E-05	<5.24E-05	<5.51E-05
T-506		<4.92E-05	<5.24E-05	0.00019	<4.92E-05	<5.30E-05	<5.28E-05	<5.31E-05	<5.28E-05	<4.89E-05	<4.95E-05	0.00016	<5.28E-05	<5.30E-05	<5.30E-05	<4.92E-05	<5.17E-05
T-507		<5.50E-05	<5.85E-05	<5.77E-05	<5.50E-05	<5.91E-05	<5.89E-05	<5.94E-05	<5.89E-05	<5.46E-05	<5.52E-05	<5.77E-05	<5.89E-05	<5.91E-05	<5.91E-05	<5.50E-05	<5.78E-05
T-508		<6.55E-05	<6.96E-05	<6.87E-05	<6.55E-05	<7.04E-05	<7.02E-05	<7.07E-05	<7.02E-05	<6.51E-05	<6.58E-05	<6.87E-05	<7.02E-05	<7.04E-05	<7.04E-05	<6.55E-05	<6.88E-05
T-509		<4.65E-05	<4.95E-05	<4.88E-05	<4.65E-05	<5.00E-05	<4.98E-05	<5.02E-05	<4.98E-05	<4.62E-05	<4.67E-05	<4.88E-05	<4.98E-05	<5.00E-05	<5.00E-05	<4.65E-05	<4.89E-05
T-510		<4.76E-05	<5.07E-05	<5.00E-05	<4.76E-05	<5.13E-05	<5.11E-05	<5.14E-05	<5.11E-05	<4.74E-05	<4.79E-05	<5.00E-05	<5.11E-05	<5.13E-05	<5.13E-05	<4.76E-05	<5.01E-05
T-601		<5.62E-05	<5.98E-05	<5.90E-05	<5.62E-05	0.00014	<6.03E-05	<6.07E-05	<6.03E-05	<5.59E-05	<5.65E-05	0.00015	<6.03E-05	<6.05E-05	<6.05E-05	<5.62E-05	<5.91E-05
T-602		0.00013	0.00023	<5.51E-05	0.00017	0.00032	<5.62E-05	<5.66E-05	<5.62E-05	0.00018	<5.27E-05	<5.51E-05	<5.62E-05	<5.64E-05	<5.64E-05	<5.24E-05	<5.51E-05
T-603		0.00029	0.00060	<6.86E-05	0.00072	<7.03E-05	<7.01E-05	<7.06E-05	0.00075	0.00044	0.00029	<6.86E-05	0.00070	<7.03E-05	<7.03E-05	<6.54E-05	<6.87E-05
T-604		0.00017	<5.10E-05	<5.03E-05	<4.79E-05	<5.15E-05	<5.14E-05	<5.17E-05	<5.14E-05	<4.76E-05	<4.82E-05	<5.03E-05	<5.14E-05	<5.15E-05	<5.15E-05	<4.79E-05	<5.04E-05
T-605		<9.69E-05	<1.03E-04	<1.02E-04	0.00024	<1.04E-04	<1.04E-04	0.00032	<1.04E-04	0.00039	<9.74E-05	<1.02E-04	0.00021	<1.04E-04	0.00031	<9.69E-05	<1.02E-04
T-606		<5.14E-05	<5.47E-05	<5.40E-05	<5.14E-05	<5.53E-05	<5.51E-05	<5.55E-05	0.00016	<5.11E-05	<5.16E-05	0.00016	<5.51E-05	<5.53E-05	<5.53E-05	<5.14E-05	<5.40E-05
T-607		0.00070	<9.49E-05	<9.36E-05	0.00032	0.00022	<9.56E-05	0.00118	0.00040	<8.86E-05	<8.96E-05	<9.36E-05	0.00020	0.00020	0.00032	<8.92E-05	0.00034
T-608		<1.12E-04	<1.19E-04	<1.18E-04	<1.12E-04	0.00029	<1.20E-04	0.00035	0.00196	0.00041	<1.12E-04	<1.18E-04	0.00071	<1.20E-04	<1.20E-04	<1.12E-04	<1.18E-04
T-609		<1.03E-04	<1.09E-04	<1.08E-04	<1.03E-04	0.00025	<1.10E-04	0.00055	0.00194	0.00037	<1.03E-04	<1.08E-04	0.00069	<1.11E-04	<1.11E-04	0.00062	<1.08E-04
T-610		<4.79E-05	<5.09E-05	<5.03E-05	<4.79E-05	<5.15E-05	<5.13E-05	<5.17E-05	<5.13E-05	<4.76E-05	<4.81E-05	<5.03E-05	<5.13E-05	<5.15E-05	<5.15E-05	<4.79E-05	<5.03E-05

Table 4
Chiquita Canyon
TO-14 Compou

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

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	Methylcyclohexane	Ethylbenzene	t-2-Pentene	Toluene	2-Methylhexane	Cyclopentane	1-Pentene	n-Heptane	i-Propylbenzene	n-Octane	1,2,3-Trimethylbenzene	2,2,4-Trimethylpentane	Methylcyclopentane	Styrene	2,2-Dimethylbutane	c-2-Butene
CAS	108-87-2	100-41-4	646-04-8	108-88-3	591-76-4	287-92-3	109-67-1	142-82-5	98-82-8	111-65-9	526-73-8	540-84-1	96-37-7	100-42-5	75-83-2	590-18-1
MW	98.2	106.2	70.1	92.1	100.2	70.1	70.1	100.2	120.2	114.2	120.2	114.2	84.2	104.2	86.2	56.1
MDL (ppbv)																
T-101	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-102	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-103	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-104	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-105	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-106	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-107	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-108	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-109	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-110	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-111	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-112	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-113	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-114	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-201	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-202	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-203	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-204	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-205	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-206	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-207	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-208	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-209	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-210	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-211	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-212	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-213	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-214	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-301	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-302	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-303	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-304	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-305	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-306	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-307	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-308	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-309	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-310	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-311	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-312	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-313	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-314	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-401	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-402	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-403	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-404	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-405	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-406	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-407	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-408	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-409	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-410	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-501	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-502	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-503	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-504	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-505	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-506	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-507	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-508	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-509	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-510	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-601	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-602	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-603	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-604	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-605	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-606	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-607	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-608	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-609	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1
T-610	0.5714286	0.5	0.8	0.5714286	0.5714286	0.8	0.8	0.5714286	0.4444444	0.5	0.4444444	0.5	0.6666667	0.5	0.6666667	1

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	Methylcyclohexane	Ethylbenzene	t-2-Pentene	Toluene	2-Methylhexane	Cyclopentane	1-Pentene	n-Heptane	i-Propylbenzene	n-Octane	1,2,3-Trimethylbenzene	2,2,4-Trimethylpentane	Methylcyclopentane	Styrene	2,2-Dimethylbutane	c-2-Butene
CAS	108-87-2	100-41-4	646-04-8	108-88-3	591-76-4	287-92-3	109-67-1	142-82-5	98-82-8	111-65-9	526-73-8	540-84-1	96-37-7	100-42-5	75-83-2	590-18-1
MW	98.2	106.2	70.1	92.1	100.2	70.1	70.1	100.2	120.2	114.2	120.2	114.2	84.2	104.2	86.2	56.1
Data used (ug/n																
T-101	<1.13E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.16E+00	<1.13E+00	<1.13E+00	<1.16E+00	<1.08E+00	<1.15E+00	<1.08E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.16E+00	<1.13E+00
T-102	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.14E+00	<1.05E+00	<1.16E+00	<1.14E+00
T-103	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.06E+00	<1.17E+00	<1.15E+00
T-104	<1.18E+00	7	<1.17E+00	8	<1.20E+00	3	<1.17E+00	<1.20E+00	25	7	<1.12E+00	<1.20E+00	<1.18E+00	18	<1.20E+00	<1.17E+00
T-105	<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.12E+00	4	<1.14E+00	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-106	<1.11E+00	<1.05E+00	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.14E+00	<1.11E+00
T-107	<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	3	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-108	<1.09E+00	<1.03E+00	5	3	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.04E+00	<1.11E+00	<1.04E+00	<1.11E+00	<1.09E+00	<1.01E+00	<1.12E+00	<1.09E+00
T-109	<1.08E+00	<1.03E+00	<1.08E+00	<1.02E+00	<1.11E+00	<1.08E+00	<1.08E+00	<1.11E+00	<1.03E+00	<1.10E+00	<1.03E+00	<1.10E+00	<1.08E+00	<1.01E+00	<1.11E+00	<1.08E+00
T-110	<1.11E+00	<1.05E+00	2	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.06E+00	<1.13E+00	<1.11E+00	<1.03E+00	<1.14E+00	<1.11E+00
T-111	<1.07E+00	<1.02E+00	4	<1.01E+00	<1.10E+00	<1.07E+00	<1.07E+00	<1.10E+00	<1.02E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.08E+00	<9.98E-01	<1.10E+00	<1.07E+00
T-112	<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-113	<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	3	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-114	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-201	<1.16E+00	<1.10E+00	3	<1.09E+00	<1.19E+00	<1.16E+00	5	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	<1.16E+00	<1.08E+00	3	<1.16E+00
T-202	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-203	<1.17E+00	<1.11E+00	7	<1.10E+00	<1.19E+00	<1.17E+00	<1.17E+00	<1.19E+00	<1.11E+00	<1.19E+00	<1.11E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.20E+00	<1.17E+00
T-204	<1.18E+00	<1.11E+00	<1.18E+00	<1.10E+00	<1.20E+00	<1.18E+00	3	<1.20E+00	<1.12E+00	<1.20E+00	<1.12E+00	<1.20E+00	<1.18E+00	<1.09E+00	<1.21E+00	<1.18E+00
T-205	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	3	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-206	<1.13E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.15E+00	<1.13E+00	<1.13E+00	<1.15E+00	<1.07E+00	<1.15E+00	<1.07E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.16E+00	<1.13E+00
T-207	<1.12E+00	3	<1.12E+00	4	<1.14E+00	<1.12E+00	<1.12E+00	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-208	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-209	<1.12E+00	3	2	5	<1.14E+00	<1.12E+00	<1.12E+00	6	<1.07E+00	7	<1.07E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.15E+00	<1.12E+00
T-210	<1.12E+00	<1.06E+00	<1.11E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.11E+00	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-211	<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.14E+00	<1.12E+00	5	3	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-212	<1.11E+00	6	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	4	<1.13E+00	<1.11E+00	4	<1.14E+00	<1.11E+00
T-213	<1.11E+00	3	<1.11E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.13E+00	3	<1.13E+00	<1.11E+00	2	<1.14E+00	<1.11E+00
T-214	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-301	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	<1.16E+00	5	<1.11E+00	<1.18E+00	<1.11E+00	7	<1.16E+00	<1.08E+00	<1.19E+00	8
T-302	5	<1.12E+00	<1.18E+00	5	3	5	<1.18E+00	<1.21E+00	3	<1.21E+00	<1.13E+00	11	<1.18E+00	<1.10E+00	5	4
T-303	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.18E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-304	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	2	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	7	<1.08E+00	<1.19E+00	<1.16E+00
T-305	<1.07E+00	11	<1.07E+00	8	<1.09E+00	10	<1.07E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.02E+00	3	2	4	<1.09E+00	<1.07E+00
T-306	<1.09E+00	15	<1.09E+00	<1.02E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	5	12	<1.03E+00	<1.11E+00	<1.09E+00	2	<1.11E+00	<1.09E+00
T-307	4	<1.02E+00	<1.08E+00	4	6	5	4	<1.10E+00	<1.03E+00	<1.10E+00	<1.03E+00	7	<1.08E+00	2	5	<1.08E+00
T-308	<1.10E+00	<1.04E+00	<1.10E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.05E+00	<1.12E+00	<1.10E+00	<1.02E+00	<1.12E+00	<1.10E+00
T-309	<1.07E+00	<1.01E+00	<1.07E+00	<1.00E+00	6	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.02E+00	<1.09E+00	<1.07E+00	<9.91E-01	<1.09E+00	<1.07E+00
T-310	<1.02E+00	<9.68E-01	<1.02E+00	<9.59E-01	3	<1.02E+00	<1.02E+00	<1.04E+00	<9.74E-01	<1.04E+00	<9.74E-01	5	<1.02E+00	<9.50E-01	<1.05E+00	<1.02E+00
T-311	<1.05E+00	<9.96E-01	<1.05E+00	<9.87E-01	<1.07E+00	4	<1.05E+00	<1.07E+00	<1.00E+00	<1.07E+00	<1.00E+00	<1.07E+00	<1.05E+00	<9.77E-01	<1.08E+00	<1.05E+00
T-312	50	21	<1.06E+00	16	5	<1.06E+00	<1.06E+00	14	24	25	33	<1.08E+00	13	<9.86E-01	7	<1.06E+00
T-313	<1.06E+00	<1.00E+00	4	<9.96E-01	<1.08E+00	<1.06E+00	<1.06E+00	<1.08E+00	<1.01E+00	<1.08E+00	<1.01E+00	<1.08E+00	<1.06E+00	<9.86E-01	<1.09E+00	<1.06E+00
T-314	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-401	<1.15E+00	<1.09E+00	6	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	6	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-402	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.18E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	3	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-403	<1.15E+00	<1.09E+00	2	<1.08E+00	<1.18E+00	<1.15E+00	<1.15E+00	<1.18E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-404	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.09E+00	<1.17E+00	<1.15E+00	<1.06E+00	<1.17E+00	<1.15E+00
T-405	<1.12E+00	<1.06E+00	3	<1.05E+00	6	<1.11E+00	<1.11E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.06E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.14E+00	<1.12E+00
T-406	<1.12E+00	<1.06E+00	<1.12E+00	<1.05E+00	<1.15E+00	<1.12E+00	<1.12E+00	<1.15E+00	<1.07E+00	<1.14E+00	<1.07E+00	<1.14E+00	<1.12E+00	<1.04E+00	<1.15E+00	<1.12E+00
T-407	<1.13E+00	<1.07E+00	<1.13E+00	<1.06E+00	<1.16E+00	<1.13E+00	<1.13E+00	<1.16E+00	<1.08E+00	<1.15E+00	<1.08E+00	<1.15E+00	<1.13E+00	<1.05E+00	<1.16E+00	<1.13E+00
T-408	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	3	<1.16E+00	<1.08E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-409	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-410	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-501	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.19E+00	<1.16E+00	<1.16E+00	<1.19E+00	<1.11E+00	<1.18E+00	<1.11E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-502	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-503	<1.16E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.18E+00	<1.15E+00	<1.15E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.07E+00	<1.18E+00	<1.16E+00
T-504	<1.16E+00	<1.10E+00	<1.16E+00	<1.09E+00	<1.18E+00	<1.16E+00	<1.16E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.10E+00	<1.18E+00	<1.16E+00	<1.08E+00	<1.19E+00	<1.16E+00
T-505	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.08E+00	<1.16E+00	<1.14E+00	<1.05E+00	<1.16E+00	<1.14E+00
T-506	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-507	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.09E+00	<1.16E+00	2	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-508	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.17E+00	<1.14E+00	<1.14E+00	<1.17E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-509	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.17E+00	<1.14E+00	<1.14E+00	<1.17E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-510	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00
T-601	<1.18E+00	<1.11E+00	<1.17E+00	<1.10E+00	<1.20E+00	<1.17E+00	<1.17E+00	<1.20E+00	<1.12E+00	<1.20E+00	<1.12E+00	<1.20E+00	<1.18E+00	<1.09E+00	<1.20E+00	<1.17E+00
T-602	<1.17E+00	<1.11E+00	<1.17E+00	<1.10E+00	4	<1.17E+00	<1.17E+00	<1.20E+00	<1.12E+00	<1.19E+00	<1.12E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.20E+00	<1.17E+00
T-603	<1.17E+00	<1.11E+00	<1.17E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.17E+00	7	<1.11E+00	<1.19E+00	<1.11E+00	<1.19E+00	4	<1.09E+00	<1.20E+00	<1.17E+00
T-604	<1.17E+00	<1.11E+00	<1.17E+00	<1.10E+00	<1.20E+00	<1.17E+00	<1.17E+00	<1.20E+00	<1.12E+00	<1.19E+00	<1.12E+00	<1.19E+00	<1.17E+00	<1.09E+00	<1.20E+00	<1.17E+00
T-605	<1.12E+00	<1.06E+00	6	<1.05E+00	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.07E+00	<1.14E+00	<1.07E+00	3	<1.12E+00	<1.04E+00	<1.15E+00	<1.12E+00
T-606	<1.14E+00	<1.08E+00	<1.14E+00	<1.07E+00	<1.17E+00	<1.14E+00	<1.14E+00	4	<1.17E+00	<1.09E+00	<1.16E+00	<1.09E+00	<1.16E+00	<1.14E+00	<1.06E+00	<1.17E+00
T-607	4	<1.05E+00	<1.11E+00	2	<1.13E+00	8	3	<1.13E+00	<1.06E+00	<1.13E+00	<1.06E+00	3	<1.11E+00	<1.03E+00	<1.14E+00	<1.11E+00
T-608	3	<1.08E+00	<1.14E+00	<1.07E+00	12	4	3	5	<1.09E+00	<1.16E+00	<1.09E+00	3	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-609	4	<1.08E+00	<1.14E+00	<1.07E+00	14	<1.14E+00	4	6	3	<1.16E+00	<1.09E+00	2	<1.14E+00	<1.06E+00	<1.17E+00	<1.14E+00
T-610	<1.15E+00	<1.09E+00	<1.15E+00	<1.08E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.10E+00	<1.17E+00	<1.15E+00	<1.07E+00	<1.18E+00	<1.15E+00

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	Methylcyclohexane	Ethylbenzene	t-2-Pentene	Toluene	2-Methylhexane	Cyclopentane	1-Pentene	n-Heptane	i-Propylbenzene	n-Octane	1,2,3-Trimethylbenzene	2,2,4-Trimethylpentane	Methylcyclopentane	Styrene	2,2-Dimethylbutane	c-2-Butene
CAS	108-87-2	100-41-4	646-04-8	108-88-3	591-76-4	287-92-3	109-67-1	142-82-5	98-82-8	111-65-9	526-73-8	540-84-1	96-37-7	100-42-5	75-83-2	590-18-1
MW	98.2	106.2	70.1	92.1	100.2	70.1	70.1	100.2	120.2	114.2	120.2	114.2	84.2	104.2	86.2	56.1
Flux (mg/m2-mi																
T-101	<1.02E-04	<9.61E-05	<1.01E-04	<9.52E-05	<1.04E-04	<1.01E-04	<1.01E-04	<1.04E-04	<9.67E-05	<1.03E-04	<9.67E-05	<1.03E-04	<1.02E-04	<9.43E-05	<1.04E-04	<1.02E-04
T-102	<6.39E-05	<6.04E-05	<6.38E-05	<5.99E-05	<6.52E-05	<6.38E-05	<6.38E-05	<6.52E-05	<6.08E-05	<6.50E-05	<6.08E-05	<6.50E-05	<6.39E-05	<5.93E-05	<6.54E-05	<6.39E-05
T-103	<8.67E-05	<8.21E-05	<8.67E-05	<8.13E-05	<8.85E-05	<8.67E-05	<8.67E-05	<8.85E-05	<8.26E-05	<8.82E-05	<8.26E-05	<8.82E-05	<8.67E-05	<8.05E-05	<8.88E-05	<8.67E-05
T-104	<5.58E-05	0.00034	<5.58E-05	0.00040	<5.70E-05	0.00015	<5.58E-05	<5.70E-05	0.00118	0.00034	<5.31E-05	<5.68E-05	<5.58E-05	0.00087	<5.72E-05	<5.58E-05
T-105	<4.83E-05	<4.57E-05	<4.82E-05	<4.53E-05	<4.93E-05	<4.82E-05	0.00017	<4.93E-05	<4.60E-05	<4.91E-05	<4.60E-05	<4.91E-05	<4.83E-05	<4.48E-05	<4.94E-05	<4.83E-05
T-106	<5.32E-05	<5.03E-05	<5.31E-05	<4.98E-05	<5.42E-05	<5.31E-05	<5.31E-05	<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05
T-107	<7.02E-05	<6.64E-05	<7.01E-05	<6.58E-05	<7.16E-05	<7.01E-05	<7.01E-05	<7.16E-05	<6.68E-05	<7.14E-05	0.00017	<7.14E-05	<7.02E-05	<6.51E-05	<7.19E-05	<7.01E-05
T-108	<1.68E-04	<1.59E-04	0.00082	0.00040	<1.72E-04	<1.68E-04	<1.68E-04	<1.72E-04	<1.60E-04	<1.71E-04	<1.60E-04	<1.71E-04	<1.69E-04	<1.56E-04	<1.73E-04	<1.68E-04
T-109	<5.25E-05	<4.97E-05	<5.25E-05	<4.92E-05	<5.36E-05	<5.25E-05	<5.25E-05	<5.36E-05	<5.00E-05	<5.34E-05	<5.00E-05	<5.34E-05	<5.25E-05	<4.87E-05	<5.38E-05	<5.25E-05
T-110	<4.73E-05	<4.48E-05	0.00011	<4.44E-05	<4.83E-05	<4.73E-05	<4.73E-05	<4.83E-05	<4.51E-05	<4.82E-05	<4.51E-05	<4.82E-05	<4.74E-05	<4.40E-05	<4.85E-05	<4.73E-05
T-111	<3.17E-04	<3.00E-04	0.00125	<2.98E-04	<3.24E-04	<3.17E-04	<3.17E-04	<3.24E-04	<3.02E-04	<3.23E-04	<3.02E-04	<3.23E-04	<3.17E-04	<2.95E-04	<3.25E-04	<3.17E-04
T-112	<6.06E-05	<5.74E-05	<6.06E-05	<5.69E-05	<6.19E-05	<6.06E-05	<6.06E-05	<6.19E-05	<5.77E-05	<6.17E-05	<5.77E-05	<6.17E-05	<6.07E-05	<5.63E-05	<6.21E-05	<6.06E-05
T-113	<5.32E-05	<5.03E-05	<5.31E-05	<4.99E-05	<5.42E-05	<5.31E-05	0.00014	<5.42E-05	<5.06E-05	<5.41E-05	<5.06E-05	<5.41E-05	<5.32E-05	<4.93E-05	<5.44E-05	<5.31E-05
T-114	<4.81E-05	<4.55E-05	<4.81E-05	<4.51E-05	<4.91E-05	<4.81E-05	<4.81E-05	<4.91E-05	<4.58E-05	<4.90E-05	<4.58E-05	<4.90E-05	<4.81E-05	<4.47E-05	<4.93E-05	<4.81E-05
T-201	<5.44E-05	<5.15E-05	0.00012	<5.11E-05	<5.56E-05	<5.44E-05	0.00024	<5.56E-05	<5.18E-05	<5.54E-05	<5.18E-05	<5.54E-05	<5.45E-05	<5.06E-05	0.00013	<5.44E-05
T-202	<5.98E-05	<5.66E-05	<5.97E-05	<5.61E-05	<6.10E-05	<5.97E-05	<5.97E-05	<6.10E-05	<5.69E-05	<6.08E-05	<5.69E-05	<6.08E-05	<5.98E-05	<5.55E-05	<6.12E-05	<5.98E-05
T-203	<4.58E-05	<4.34E-05	0.00028	<4.30E-05	<4.68E-05	<4.58E-05	<4.58E-05	<4.68E-05	<4.36E-05	<4.66E-05	<4.36E-05	<4.66E-05	<4.58E-05	<4.26E-05	<4.69E-05	<4.58E-05
T-204	<6.28E-05	<5.94E-05	<6.27E-05	<5.89E-05	<6.40E-05	<6.27E-05	0.00017	<6.40E-05	<5.97E-05	<6.39E-05	<5.97E-05	<6.39E-05	<6.28E-05	<5.83E-05	<6.43E-05	<6.27E-05
T-205	<4.92E-05	<4.66E-05	<4.92E-05	<4.62E-05	<5.02E-05	<4.92E-05	<4.92E-05	<5.02E-05	<4.69E-05	<5.01E-05	0.00015	<5.01E-05	<4.92E-05	<4.57E-05	<5.04E-05	<4.92E-05
T-206	<7.59E-05	<7.18E-05	<7.59E-05	<7.12E-05	<7.74E-05	<7.59E-05	<7.59E-05	<7.74E-05	<7.23E-05	<7.72E-05	<7.23E-05	<7.72E-05	<7.59E-05	<7.05E-05	<7.77E-05	<7.59E-05
T-207	<4.95E-05	0.00013	<4.95E-05	0.00016	<5.05E-05	<4.95E-05	<4.95E-05	0.00011	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05
T-208	<5.02E-05	<4.75E-05	<5.02E-05	<4.71E-05	<5.12E-05	<5.02E-05	<5.02E-05	<5.12E-05	<4.78E-05	<5.11E-05	<4.78E-05	<5.11E-05	<5.02E-05	<4.66E-05	<5.14E-05	<5.02E-05
T-209	<4.76E-05	0.00011	0.00010	0.00020	<4.86E-05	<4.76E-05	<4.76E-05	0.00024	<4.53E-05	0.00031	<4.53E-05	<4.84E-05	<4.76E-05	<4.42E-05	<4.87E-05	<4.76E-05
T-210	<5.29E-05	<5.00E-05	<5.29E-05	<4.96E-05	<5.40E-05	<5.29E-05	<5.29E-05	0.00016	<5.03E-05	<5.38E-05	<5.03E-05	<5.38E-05	<5.29E-05	<4.91E-05	<5.42E-05	<5.29E-05
T-211	<4.95E-05	<4.69E-05	<4.95E-05	<4.64E-05	<5.05E-05	<4.95E-05	0.00024	0.00013	<4.71E-05	<5.04E-05	<4.71E-05	<5.04E-05	<4.95E-05	<4.60E-05	<5.07E-05	<4.95E-05
T-212	<4.56E-05	0.00023	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05	<4.56E-05	<4.66E-05	<4.35E-05	<4.64E-05	0.00016	<4.64E-05	<4.57E-05	0.00015	<4.67E-05	<4.56E-05
T-213	<5.13E-05	0.00012	<5.12E-05	<4.81E-05	<5.23E-05	<5.12E-05	<5.12E-05	<5.23E-05	<4.88E-05	<5.22E-05	0.00013	<5.22E-05	<5.13E-05	0.00011	<5.25E-05	<5.12E-05
T-214	<5.27E-05	<4.99E-05	<5.27E-05	<4.94E-05	<5.38E-05	<5.27E-05	<5.27E-05	<5.38E-05	<5.02E-05	<5.36E-05	<5.02E-05	<5.36E-05	<5.27E-05	<4.89E-05	<5.40E-05	<5.27E-05
T-301	<8.36E-05	<7.91E-05	<8.35E-05	<7.84E-05	<8.53E-05	<8.35E-05	<8.35E-05	0.00033	<7.96E-05	<8.51E-05	<7.96E-05	0.00049	<8.36E-05	<7.76E-05	<8.56E-05	0.00055
T-302	0.00019	<4.37E-05	<4.62E-05	0.00021	0.00011	0.00020	<4.62E-05	<4.72E-05	0.00013	<4.70E-05	<4.40E-05	0.00044	<4.62E-05	<4.29E-05	0.00021	0.00017
T-303	<5.00E-05	<4.73E-05	<4.99E-05	<4.69E-05	<5.10E-05	<4.99E-05	<4.99E-05	<5.10E-05	<4.76E-05	<5.08E-05	<4.76E-05	<5.08E-05	<5.00E-05	<4.64E-05	<5.12E-05	<5.00E-05
T-304	<5.72E-05	<5.41E-05	<5.72E-05	<5.37E-05	<5.84E-05	<5.72E-05	0.00012	<5.84E-05	<5.45E-05	<5.82E-05	<5.45E-05	<5.82E-05	0.00037	<5.31E-05	<5.86E-05	<5.72E-05
T-305	<8.77E-05	0.00093	<8.76E-05	0.00065	<8.95E-05	0.00080	<8.76E-05	<8.95E-05	<8.35E-05	<8.92E-05	<8.35E-05	0.00027	0.00019	0.00031	<8.98E-05	<8.76E-05
T-306	<1.87E-04	0.00251	<1.87E-04	<1.75E-04	<1.91E-04	<1.87E-04	<1.87E-04	<1.91E-04	0.00078	0.00214	<1.78E-04	<1.90E-04	<1.87E-04	0.00040	<1.91E-04	<1.87E-04
T-307	0.00023	<6.31E-05	<6.66E-05	0.00022	0.00035	0.00030	0.00026	<6.80E-05	<6.35E-05	<6.78E-05	<6.35E-05	0.00046	<6.67E-05	0.00015	0.00028	<6.66E-05
T-308	<6.99E-05	<6.61E-05	<6.98E-05	<6.55E-05	<7.13E-05	<6.98E-05	<6.98E-05	<7.13E-05	<6.65E-05	<7.11E-05	<6.65E-05	<7.11E-05	<6.99E-05	<6.49E-05	<7.15E-05	<6.98E-05
T-309	<4.71E-05	<4.46E-05	<4.71E-05	<4.42E-05	0.00025	<4.71E-05	<4.71E-05	<4.81E-05	<4.48E-05	<4.79E-05	<4.48E-05	<4.79E-05	<4.71E-05	<4.37E-05	<4.82E-05	<4.71E-05
T-310	<5.84E-05	<5.53E-05	<5.84E-05	<5.48E-05	0.00018	<5.84E-05	<5.84E-05	<5.96E-05	<5.56E-05	<5.95E-05	<5.56E-05	0.00027	<5.85E-05	<5.43E-05	<5.99E-05	<5.84E-05
T-311	<6.79E-05	<6.42E-05	<6.78E-05	<6.37E-05	<6.93E-05	0.00023	<6.78E-05	<6.93E-05	<6.46E-05	<6.91E-05	<6.46E-05	<6.91E-05	<6.79E-05	<6.30E-05	<6.95E-05	<6.79E-05
T-312	0.00246	0.00106	<5.26E-05	0.00079	0.00022	<5.26E-05	<5.26E-05	0.00067	0.00119	0.00122	0.00163	<5.36E-05	0.00066	<4.89E-05	0.00036	<5.26E-05
T-313	<4.19E-05	<3.96E-05	0.00017	<3.93E-05	<4.27E-05	<4.18E-05	<4.18E-05	<4.27E-05	<3.99E-05	<4.26E-05	<3.99E-05	<4.26E-05	<4.19E-05	<3.89E-05	<4.29E-05	<4.19E-05
T-314	<4.72E-05	<4.46E-05	<4.71E-05	<4.42E-05	<4.81E-05	<4.71E-05	<4.71E-05	<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.71E-05
T-401	<7.67E-05	<7.25E-05	0.00042	<7.19E-05	<7.82E-05	<7.66E-05	<7.66E-05	<7.82E-05	<7.30E-05	<7.80E-05	0.00039	<7.80E-05	<7.67E-05	<7.12E-05	<7.85E-05	<7.66E-05
T-402	<6.58E-05	<6.23E-05	<6.57E-05	<6.17E-05	<6.71E-05	<6.57E-05	<6.57E-05	<6.71E-05	<6.26E-05	<6.69E-05	<6.26E-05	0.00017	<6.58E-05	<6.11E-05	<6.74E-05	<6.58E-05
T-403	<4.72E-05	<4.46E-05	0.00010	<4.42E-05	<4.81E-05	<4.71E-05	<4.71E-05	<4.81E-05	<4.49E-05	<4.80E-05	<4.49E-05	<4.80E-05	<4.72E-05	<4.38E-05	<4.83E-05	<4.72E-05
T-404	<9.77E-05	<9.24E-05	<9.76E-05	<9.16E-05	<9.96E-05	<9.76E-05	<9.76E-05	<9.96E-05	<9.30E-05	<9.94E-05	<9.30E-05	<9.94E-05	<9.77E-05	<9.07E-05	<1.00E-04	<9.76E-05
T-405	<4.98E-05	<4.71E-05	0.00012	<4.67E-05	0.00025	<4.97E-05	<4.97E-05	<5.08E-05	<4.74E-05	<5.07E-05	<4.74E-05	<5.07E-05	<4.98E-05	<4.62E-05	<5.10E-05	<4.98E-05
T-406	<6.22E-05	<5.89E-05	<6.22E-05	<5.84E-05	<6.35E-05	<6.22E-05	<6.22E-05	<6.35E-05	<5.92E-05	<6.33E-05	<5.92E-05	<6.33E-05	<6.22E-05	<5.78E-05	<6.37E-05	<6.22E-05
T-407	<4.56E-05	<4.32E-05	<4.56E-05	<4.28E-05	<4.66E-05	<4.56E-05	<4.56E-05	<4.66E-05	<4.35E-05	<4.64E-05	<4.35E-05	<4.64E-05	<4.57E-05	<4.24E-05	<4.67E-05	<4.56E-05
T-408	<5.33E-05	<5.04E-05	<5.32E-05	<5.00E-05	<5.43E-05	<5.32E-05	0.00012	<5.43E-05	<5.07E-05	<5.42E-05	<5.07E-05	<5.42E-05	<5.33E-05	<4.95E-05	<5.45E-05	<5.33E-05
T-409	<5.20E-05	<4.92E-05	<5.19E-05	<4.87E-05	<5.30E-05	<5.19E-05	<5.19E-05	<5.30E-05	<4.95E-05	<5.29E-05	<4.95E-05	<5.29E-05	<5.20E-05	<4.82E-05	<5.32E-05	<5.20E-05
T-410	<4.50E-05	<4.26E-05	<4.50E-05	<4.22E-05	<4.59E-05	<4.50E-05	<4.50E-05	<4.59E-05	<4.28E-05	<4.58E-05	<4.28E-05	<4.58E-05	<4.50E-05	<4.18E-05	<4.61E-05	<4.50E-05
T-501	<5.08E-05	<4.80E-05	<5.07E-05	<4.76E-05	<5.18E-05	<5.07E-05	<5.07E-05	<5.18E-05	<4.83E-05	<5.16E-05	<4.83E-05	<5.16E-05	<5.08E-05	<4.71E-05	<5.20E-05	<5.07E-05
T-502	<5.39E-05	<5.10E-05	<5.38E-05	<5.05E-05	<5.49E-05	<5.38E-05	<5.38E-05	<5.49E-05	<5.13E-05	<5.48E-05	<5.13E-05	<5.48E-05	<5.39E-05	<5.00E-05	<5.52E-05	<5.38E-05
T-503	<5.01E-05	<4.74E-05	<5.00E-05	<4.70E-05	<5.11E-05	<5.00E-05	<5.00E-05	<5.11E-05	<4.77E-05	<5.09E-05	<4.77E-05	<5.09E-05	<5.01E-05	<4.65E-05	<5.13E-05	<5.00E-05
T-504	<5.60E-05	<5.30E-05	<5.60E-05	<5.25E-05	<5.72E-05	<5.60E-05	<5.60E-05	<5.72E-05	<5.33E-05	<5.70E-05	<5.33E-05	<5.70E-05	<5.60E-05	<5.20E-05	<5.74E-05	<5.60E-05
T-505	<5.51E-05	<5.21E-05	<5.51E-05	<5.17E-05	<5.62E-05	<5.51E-05	<5.51E-05	<5.62E-05	<5.24E-05	<5.61E-05	<5.24E-05	<5.61E-05	<5.51E-05	<5.11E-05	<5.64E-05	<5.51E-05
T-506	<5.17E-05	<4.89E-05	<5.17E-05	<4.85E-05	<5.28E-05	<5.17E-05	<5.17E-05	<5.28E-05	<4.92E-05	<5.26E-05	<4.92E-05	<5.26E-05	<5.17E-05	<4.80E-05	<5.30E-05	<5.17E-05
T-507	<5.77E-05	<5.46E-05	<5.77E-05	<5.42E-05	<5.89E-05	<5.77E-05	<5.77E-05	<5.89E-05	<5.50E-05	<5.88E-05	0.00012	<5.88E-05	<5.78E-05	<5.36E-05	<5.91E-05	<5.77E-05
T-508	<6.88E-05	<6.51E-05	<6.87E-05	<6.45E-05	<7.02E-05	<6.87E-05	<6.87E-05	<7.02E-05	<6.55E-05	<7.00E-05	<6.55E-05	<7.00E-05	<6.88E-05	<6.38E-05	<7.04E-05	<6.87E-05
T-509	<4.88E-05	<4.62E-05	<4.88E-05	<4.58E-05	<4.98E-05	<4.88E-05	<4.88E-05	<4.98E-05	<4.65E-05	<4.97E-05	<4.65E-05	<4.97E-05	<4.89E-05	<4.53E-05	<5.00E-05	<4.88E-05
T-510	<5.01E-05	<4.74E-05	<5.00E-05	<4.69E-05	<5.11E-05	<5.00E-05	<5.00E-05	<5.11E-05	<4.76E-05	<5.09E-05	<4.76E-05	<5.09E-05	<5.01E-05	<4.65E-05	<5.13E-05	<5.00E-05
T-601	<5.91E-05	<5.59E-05	<5.90E-05	<5.54E-05	<6.03E-05	<5.90E-05	<5.90E-05	<6.03E-05	<5.62E-05	<6.01E-05	<5.62E-05	<6.01E-05	<5.91E-05	<5.48E-05	<6.05E-05	<5.90E-05
T-602	<5.51E-05	<5.21E-05	<5.51E-05	<5.17E-05	0.00018	<5.51E-05	<5.51E-05	<5.62E-05	<5.24E-05	<5.61E-05	<5.24E-05	<5.61E-05	<5.51E-05	<5.12E-05	<5.64E-05	<5.51E-05
T-603	<6.87E-05	<6.50E-05	<6.86E-05	<6.44E-05	<7.01E-05	<6.86E-05	<6.86E-05	0.00044	<6.54E-05	<6.99E-05	<6.54E-05	<6.99E-05	0.00021	<6.38E-05	<7.03E-05	<6.86E-05
T-604	<5.03E-05	<4.76E-05	<5.03E-05	<4.72E-05	<5.14E-05	<5.03E-05	<5.03E-05	<5.14E-05	<4.79E-05	<5.12E-05	<4.79E-05	<5.12E-05	<5.04E-05	<4.67E-05	<5.15E-05	<5.03E-05
T-605	<1.02E-04	<9.64E-05	0.00052	<9.55E-05	<1.04E-04	<1.02E-04	<1.02E-04	<1.04E-04	<9.69E-05	<1.04E-04	<9.69E-05	0.00023	<1.02E-04	<9.45E-05	<1.04E-04	<1.02E-04
T-606	<5.40E-05	<5.11E-05	<5.40E-05	<5.06E-05	<5.51E-05	<5.40E-05	<5.40E-05	<5.51E-05	<5.14E-05	<5.49E-05	<5.14E-05	<5.49E-05	<5.40E-05	<5.01E-05	<5.53E-05	<5.40E-05
T-607	0.00030	<8.86E-05	<9.36E-05	0.00018	<9.56E-05	0.00070	0.00021	<9.56E-05	<8.92E-05	<9.53E-05	<8.92E-05	0.00026	<9.37E-05	<8.70E-05	<9.59E-05	<9.36E-05
T-608	0.00034	<1.11E-04	<1.17E-04	<1.10E-04	0.00124	0.00045	0.00027	0.00053	<1.12E-04	<1.20E-04	<1.12E-04	0.00029	<1.18E-04	<1.09E-04	<1.20E-04	<1.18E-04
T-609	0.00033	<1.02E-04	<1.08E-04	<1.01E-04	0.00132	<1.08E-04	0.00037	0.00054	0.00032	<1.10E-04	<1.03E-04	0.00023	<1.08E-04	<1.00E-04	<1.11E-04	<1.08E-04
T-610	<5.03E-05	<4.76E-05	<5.03E-05	<4.72E-05	<5.13E-05	<5.03E-05	<5.03E-05	<5.13E-05	<4.79E-05	<5.12E-05	<4.79E-05	<5.12E-05	<5.03E-05	<4.67E-05	<5.15E-05	<5.03E-05

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane
CAS	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3	74-86-2	75-28-5	79-29-8
MW	114.2	114.2	114.2	170.3	70.1	26	58.1	86.2
Lab Data (ppbv								
T-101	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	0.64	0.59	ND	0.87	ND	ND	ND
T-105	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND
T-204	ND	ND	ND	ND	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	ND	ND	ND
T-208	ND	ND	ND	ND	ND	ND	ND	ND
T-209	ND	1.39	0.59	ND	ND	ND	ND	ND
T-210	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND
T-212	0.67	ND	ND	ND	ND	ND	ND	ND
T-213	ND	ND	ND	ND	ND	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	0.84	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND
T-305	1.79	ND	0.54	1.9	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	0.68	ND	ND	ND	ND	ND	ND
T-308	ND	ND	ND	ND	ND	ND	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND
T-312	1.34	0.61	2.25	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND
T-601	ND	ND	ND	ND	ND	ND	ND	ND
T-602	ND	ND	ND	ND	ND	ND	ND	ND
T-603	0.94	ND	ND	0.45	ND	ND	ND	ND
T-604	ND	ND	ND	ND	ND	ND	ND	ND
T-605	ND	ND	ND	ND	ND	ND	ND	ND
T-606	ND	ND	ND	ND	ND	ND	ND	ND
T-607	ND	ND	ND	ND	ND	ND	ND	ND
T-608	ND	ND	ND	ND	ND	ND	ND	ND
T-609	ND	ND	ND	ND	ND	ND	ND	ND
T-610	ND	ND	ND	ND	ND	ND	ND	ND

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number	3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane
CAS	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3	74-86-2	75-28-5	79-29-8
MW	114.2	114.2	114.2	170.3	70.1	26	58.1	86.2
MDL (ppbv)								
T-101	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-102	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-103	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-104	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-105	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-106	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-107	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-108	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-109	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-110	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-111	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-112	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-113	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-114	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-201	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-202	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-203	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-204	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-205	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-206	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-207	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-208	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-209	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-210	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-211	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-212	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-213	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-214	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-301	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-302	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-303	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-304	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-305	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-306	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-307	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-308	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-309	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-310	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-311	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-312	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-313	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-314	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-401	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-402	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-403	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-404	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-405	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-406	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-407	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-408	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-409	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-410	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-501	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-502	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-503	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-504	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-505	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-506	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-507	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-508	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-509	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-510	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-601	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-602	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-603	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-604	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-605	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-606	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-607	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-608	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-609	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667
T-610	0.5	0.5	0.5	0.3333333	0.8	2	1	0.6666667

Table 4
Chiquita Canyon
TO-14 Compou

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

Temp.		273.15	0.0820574
oF	oC	oK	RT
84	28.9	302.0	24.8
82	27.8	300.9	24.7
77	25.0	298.2	24.5
64	17.8	290.9	23.9
91	32.8	305.9	25.1
95	35.0	308.2	25.3
101	38.3	311.5	25.6
104	40.0	313.2	25.7
108	42.2	315.4	25.9
94	34.4	307.6	25.2
113	45.0	318.2	26.1
101	38.3	311.5	25.6
101	38.3	311.5	25.6
75	23.9	297.0	24.4
69	20.6	293.7	24.1
70	21.1	294.3	24.1
66	18.9	292.0	24.0
63	17.2	290.4	23.8
81	27.2	300.4	24.6
86	30.0	303.2	24.9
91	32.8	305.9	25.1
75	23.9	297.0	24.4
90	32.2	305.4	25.1
92	33.3	306.5	25.1
91	32.8	305.9	25.1
95	35.0	308.2	25.3
95	35.0	308.2	25.3
75	23.9	297.0	24.4
70	21.1	294.3	24.1
60	15.6	288.7	23.7
71	21.7	294.8	24.2
70	21.1	294.3	24.1
116	46.7	319.8	26.2
107	41.7	314.8	25.8
109	42.8	315.9	25.9
101	38.3	311.5	25.6
117	47.2	320.4	26.3
142	61.1	334.3	27.4
125	51.7	324.8	26.7
120	48.9	322.0	26.4
120	48.9	322.0	26.4
75	23.9	297.0	24.4
75	23.9	297.0	24.4
71	21.7	294.8	24.2
74	23.3	296.5	24.3
77	25.0	298.2	24.5
92	33.3	306.5	25.1
88	31.1	304.3	25.0
84	28.9	302.0	24.8
81	27.2	300.4	24.6
81	27.2	300.4	24.6
75	23.9	297.0	24.4
70	21.1	294.3	24.1
75	23.9	297.0	24.4
73	22.8	295.9	24.3
71	21.7	294.8	24.2
82	27.8	300.9	24.7
80	26.7	299.8	24.6
80	26.7	299.8	24.6
79	26.1	299.3	24.6
79	26.1	299.3	24.6
75	23.9	297.0	24.4
64	17.8	290.9	23.9
65	18.3	291.5	23.9
66	18.9	292.0	24.0
65	18.3	291.5	23.9
90	32.2	305.4	25.1
79	26.1	299.3	24.6
95	35.0	308.2	25.3
80	26.7	299.8	24.6
80	26.7	299.8	24.6
75	23.9	297.0	24.4

Table 4
Chiquita Canyon
TO-14 Compou

Sample Number		3-Methylheptane	2,3,4-Trimethylpentane	2-Methylheptane	Dodecane	c-2-Pentene	Acetylene	i-Butane	2,3-Dimethylbutane	
	CAS	589-81-1	565-75-3	592-27-8	112-40-3	627-20-3	74-86-2	75-28-5	79-29-8	
	MW	114.2	114.2	114.2	170.3	70.1	26	58.1	86.2	
Flux (mg/m2-mi										**Flow (m3/m)**
T-101		<1.03E-04	<1.03E-04	<1.03E-04	<1.03E-04	<1.01E-04	<9.41E-05	<1.05E-04	<1.04E-04	0.012
T-102		<6.50E-05	<6.50E-05	<6.50E-05	<6.46E-05	<6.38E-05	<5.92E-05	<6.61E-05	<6.54E-05	0.007
T-103		<8.82E-05	<8.82E-05	<8.82E-05	<8.77E-05	<8.67E-05	<8.04E-05	<8.98E-05	<8.88E-05	0.010
T-104		<5.68E-05	0.00015	0.00013	<5.65E-05	0.00012	<5.17E-05	<5.78E-05	<5.72E-05	0.006
T-105		<4.91E-05	<4.91E-05	<4.91E-05	<4.88E-05	<4.82E-05	<4.47E-05	<5.00E-05	<4.94E-05	0.006
T-106		<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05	<4.93E-05	<5.50E-05	<5.44E-05	0.006
T-107		<7.14E-05	<7.14E-05	<7.14E-05	<7.10E-05	<7.01E-05	<6.50E-05	<7.26E-05	<7.19E-05	0.008
T-108		<1.71E-04	<1.71E-04	<1.71E-04	<1.70E-04	<1.68E-04	<1.56E-04	<1.74E-04	<1.73E-04	0.020
T-109		<5.34E-05	<5.34E-05	<5.34E-05	<5.31E-05	<5.25E-05	<4.86E-05	<5.44E-05	<5.38E-05	0.006
T-110		<4.82E-05	<4.82E-05	<4.82E-05	<4.79E-05	<4.73E-05	<4.39E-05	<4.90E-05	<4.85E-05	0.006
T-111		<3.23E-04	<3.23E-04	<3.23E-04	<3.21E-04	<3.17E-04	<2.94E-04	<3.29E-04	<3.25E-04	0.038
T-112		<6.17E-05	<6.17E-05	<6.17E-05	<6.13E-05	<6.06E-05	<5.62E-05	<6.28E-05	<6.21E-05	0.007
T-113		<5.41E-05	<5.41E-05	<5.41E-05	<5.38E-05	<5.31E-05	<4.93E-05	<5.50E-05	<5.44E-05	0.006
T-114		<4.90E-05	<4.90E-05	<4.90E-05	<4.87E-05	<4.81E-05	<4.46E-05	<4.98E-05	<4.93E-05	0.005
T-201		<5.54E-05	<5.54E-05	<5.54E-05	<5.51E-05	<5.44E-05	<5.05E-05	<5.64E-05	<5.58E-05	0.006
T-202		<6.08E-05	<6.08E-05	<6.08E-05	<6.05E-05	<5.97E-05	<5.54E-05	<6.19E-05	<6.12E-05	0.007
T-203		<4.66E-05	<4.66E-05	<4.66E-05	<4.64E-05	<4.58E-05	<4.25E-05	<4.75E-05	<4.69E-05	0.005
T-204		<6.39E-05	<6.39E-05	<6.39E-05	<6.35E-05	<6.27E-05	<5.82E-05	<6.50E-05	<6.43E-05	0.007
T-205		<5.01E-05	<5.01E-05	<5.01E-05	<4.98E-05	<4.92E-05	<4.56E-05	<5.10E-05	<5.04E-05	0.006
T-206		<7.72E-05	<7.72E-05	<7.72E-05	<7.68E-05	<7.59E-05	<7.03E-05	<7.86E-05	<7.77E-05	0.009
T-207		<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05	<4.59E-05	<5.12E-05	<5.07E-05	0.006
T-208		<5.11E-05	<5.11E-05	<5.11E-05	<5.08E-05	<5.02E-05	<4.65E-05	<5.20E-05	<5.14E-05	0.006
T-209		<4.84E-05	0.00027	0.00011	<4.81E-05	<4.76E-05	<4.41E-05	<4.93E-05	<4.87E-05	0.006
T-210		<5.38E-05	<5.38E-05	<5.38E-05	<5.35E-05	<5.29E-05	<4.90E-05	<5.48E-05	<5.42E-05	0.006
T-211		<5.04E-05	<5.04E-05	<5.04E-05	<5.01E-05	<4.95E-05	<4.59E-05	<5.13E-05	<5.07E-05	0.006
T-212		0.00012	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05	<4.23E-05	<4.73E-05	<4.67E-05	0.005
T-213		<5.22E-05	<5.22E-05	<5.22E-05	<5.19E-05	<5.12E-05	<4.75E-05	<5.31E-05	<5.25E-05	0.006
T-214		<5.36E-05	<5.36E-05	<5.36E-05	<5.33E-05	<5.27E-05	<4.89E-05	<5.46E-05	<5.40E-05	0.006
T-301		<8.51E-05	<8.51E-05	<8.51E-05	<8.46E-05	<8.35E-05	<7.75E-05	<8.65E-05	<8.56E-05	0.009
T-302		<4.70E-05	0.00016	<4.70E-05	<4.68E-05	<4.62E-05	<4.28E-05	<4.79E-05	<4.73E-05	0.005
T-303		<5.08E-05	<5.08E-05	<5.08E-05	<5.05E-05	<4.99E-05	<4.63E-05	<5.17E-05	<5.12E-05	0.006
T-304		<5.82E-05	<5.82E-05	<5.82E-05	<5.79E-05	<5.72E-05	<5.30E-05	<5.92E-05	<5.86E-05	0.006
T-305		0.00064	<8.92E-05	0.00019	0.00101	<8.76E-05	<8.12E-05	<9.08E-05	<8.98E-05	0.011
T-306		<1.90E-04	<1.90E-04	<1.90E-04	<1.89E-04	<1.87E-04	<1.73E-04	<1.93E-04	<1.91E-04	0.022
T-307		<6.78E-05	0.00018	<6.78E-05	<6.74E-05	<6.66E-05	<6.18E-05	<6.90E-05	<6.83E-05	0.008
T-308		<7.11E-05	<7.11E-05	<7.11E-05	<7.07E-05	<6.98E-05	<6.47E-05	<7.23E-05	<7.15E-05	0.008
T-309		<4.79E-05	<4.79E-05	<4.79E-05	<4.76E-05	<4.71E-05	<4.36E-05	<4.88E-05	<4.82E-05	0.006
T-310		<5.95E-05	<5.95E-05	<5.95E-05	<5.91E-05	<5.84E-05	<5.42E-05	<6.05E-05	<5.99E-05	0.007
T-311		<6.91E-05	<6.91E-05	<6.91E-05	<6.87E-05	<6.78E-05	<6.29E-05	<7.03E-05	<6.95E-05	0.008
T-312		0.00029	0.00013	0.00048	<5.32E-05	<5.26E-05	<4.88E-05	<5.45E-05	<5.39E-05	0.006
T-313		<4.26E-05	<4.26E-05	<4.26E-05	<4.24E-05	<4.18E-05	<3.88E-05	<4.34E-05	<4.29E-05	0.005
T-314		<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05	<4.37E-05	<4.88E-05	<4.83E-05	0.005
T-401		<7.80E-05	<7.80E-05	<7.80E-05	<7.76E-05	<7.66E-05	<7.10E-05	<7.94E-05	<7.85E-05	0.009
T-402		<6.69E-05	<6.69E-05	<6.69E-05	<6.66E-05	<6.57E-05	<6.10E-05	<6.81E-05	<6.74E-05	0.007
T-403		<4.80E-05	<4.80E-05	<4.80E-05	<4.77E-05	<4.71E-05	<4.37E-05	<4.88E-05	<4.83E-05	0.005
T-404		<9.94E-05	<9.94E-05	<9.94E-05	<9.88E-05	<9.76E-05	<9.05E-05	<1.01E-04	<1.00E-04	0.011
T-405		<5.07E-05	<5.07E-05	<5.07E-05	<5.04E-05	<4.97E-05	<4.61E-05	<5.15E-05	<5.10E-05	0.006
T-406		<6.33E-05	<6.33E-05	<6.33E-05	<6.29E-05	<6.22E-05	<5.77E-05	<6.44E-05	<6.37E-05	0.007
T-407		<4.64E-05	<4.64E-05	<4.64E-05	<4.62E-05	<4.56E-05	<4.23E-05	<4.73E-05	<4.67E-05	0.005
T-408		<5.42E-05	<5.42E-05	<5.42E-05	<5.39E-05	<5.32E-05	<4.94E-05	<5.51E-05	<5.45E-05	0.006
T-409		<5.29E-05	<5.29E-05	<5.29E-05	<5.26E-05	<5.19E-05	<4.82E-05	<5.38E-05	<5.32E-05	0.006
T-410		<4.58E-05	<4.58E-05	<4.58E-05	<4.55E-05	<4.50E-05	<4.17E-05	<4.66E-05	<4.61E-05	0.005
T-501		<5.16E-05	<5.16E-05	<5.16E-05	<5.13E-05	<5.07E-05	<4.70E-05	<5.26E-05	<5.20E-05	0.006
T-502		<5.48E-05	<5.48E-05	<5.48E-05	<5.45E-05	<5.38E-05	<4.99E-05	<5.58E-05	<5.52E-05	0.006
T-503		<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05	<4.64E-05	<5.18E-05	<5.13E-05	0.006
T-504		<5.70E-05	<5.70E-05	<5.70E-05	<5.67E-05	<5.60E-05	<5.19E-05	<5.80E-05	<5.74E-05	0.006
T-505		<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05	<5.11E-05	<5.70E-05	<5.64E-05	0.006
T-506		<5.26E-05	<5.26E-05	<5.26E-05	<5.23E-05	<5.17E-05	<4.79E-05	<5.35E-05	<5.30E-05	0.006
T-507		<5.88E-05	<5.88E-05	<5.88E-05	<5.84E-05	<5.77E-05	<5.35E-05	<5.98E-05	<5.91E-05	0.007
T-508		<7.00E-05	<7.00E-05	<7.00E-05	<6.96E-05	<6.87E-05	<6.37E-05	<7.12E-05	<7.04E-05	0.008
T-509		<4.97E-05	<4.97E-05	<4.97E-05	<4.94E-05	<4.88E-05	<4.53E-05	<5.06E-05	<5.00E-05	0.006
T-510		<5.09E-05	<5.09E-05	<5.09E-05	<5.06E-05	<5.00E-05	<4.64E-05	<5.18E-05	<5.13E-05	0.006
T-601		<6.01E-05	<6.01E-05	<6.01E-05	<5.97E-05	<5.90E-05	<5.47E-05	<6.11E-05	<6.05E-05	0.007
T-602		<5.61E-05	<5.61E-05	<5.61E-05	<5.57E-05	<5.51E-05	<5.11E-05	<5.70E-05	<5.64E-05	0.006
T-603		0.00026	<6.99E-05	<6.99E-05	0.00019	<6.86E-05	<6.36E-05	<7.11E-05	<7.03E-05	0.008
T-604		<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05	<4.66E-05	<5.21E-05	<5.15E-05	0.006
T-605		<1.04E-04	<1.04E-04	<1.04E-04	<1.03E-04	<1.02E-04	<9.44E-05	<1.05E-04	<1.04E-04	0.012
T-606		<5.49E-05	<5.49E-05	<5.49E-05	<5.46E-05	<5.40E-05	<5.00E-05	<5.59E-05	<5.53E-05	0.006
T-607		<9.53E-05	<9.53E-05	<9.53E-05	<9.48E-05	<9.36E-05	<8.68E-05	<9.70E-05	<9.59E-05	0.011
T-608		<1.20E-04	<1.20E-04	<1.20E-04	<1.19E-04	<1.17E-04	<1.09E-04	<1.22E-04	<1.20E-04	0.013
T-609		<1.10E-04	<1.10E-04	<1.10E-04	<1.09E-04	<1.08E-04	<1.00E-04	<1.12E-04	<1.11E-04	0.012
T-610		<5.12E-05	<5.12E-05	<5.12E-05	<5.09E-05	<5.03E-05	<4.66E-05	<5.21E-05	<5.15E-05	0.006

Table 5
Chiquita Canyon July 2025 Test Event
ORS Compounds

Sample Number	Total Reduced Sulfurs	Hydrogen Sulfide	Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene
CAS		7783-06-4		463-58-1	74-93-1	75-08-1	75-18-3	75-15-0	75-33-2	75-66-1	107-03-9	624-89-5	513-53-1	513-44-0	352-93-2	109-79-5	624-92-0	554-14-3	616-44-4	110-01-0
MW	34.08	34.08	34.08	60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17
Lab Results (ppmv)																				
S- 101 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 103 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 105 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 107 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 109 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 111 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 113 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 201 a	0.011	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 202 a	0.005	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 203 a	0.005	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 204 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 205 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 206 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 208 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 210 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 212 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 213 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 301 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 303 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 305 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 307 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 309 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 311 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 312 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 313 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 401 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 402 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 404 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 406 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 408 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 410 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 502 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 504 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 505 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 506 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 508 a	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND
S- 510 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 601 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 602 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 603 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 604 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 605 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 606 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 607 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 608 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 609 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S- 610 a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 5
Chiquita Canyon July 2025 Test Event
ORS Compounds

Sample Number	Total Reduced Sulfurs	Hydrogen Sulfide	Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene
CAS		7783-06-4		463-58-1	74-93-1	75-08-1	75-18-3	75-15-0	75-33-2	75-66-1	107-03-9	624-89-5	513-53-1	513-44-0	352-93-2	109-79-5	624-92-0	554-14-3	616-44-4	110-01-0
MW	34.08	34.08	34.08	60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.005	0.005	0.005	0.005	0.005
S- 601 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	0.005	0.005	0.005	0.005	0.005
S- 602 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	0.005	0.005	0.005	0.005	0.005
S- 603 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	0.005	0.005	0.005	0.005	0.005
S- 604 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	0.005	0.005	0.005	0.005	0.005
S- 605 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	0.005	0.005	0.005	0.005	0.005
S- 606 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	0.005	0.005	0.005	0.005	0.005
S- 607 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	0.005	0.005	0.005	0.005	0.005
S- 608 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	0.005	0.005	0.005	0.005	0.005
S- 609 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	0.005	0.005	0.005	0.005	0.005
S- 610 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	0.005	0.005	0.005	0.005	0.005

Table 5
Chiquita Canyon July 2025 Test Event
ORS Compounds

Sample Number		Total Reduced Sulfurs	Hydrogen Sulfide	Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene
	CAS		7783-06-4		463-58-1	74-93-1	75-08-1	75-18-3	75-15-0	75-33-2	75-66-1	107-03-9	624-89-5	513-53-1	513-44-0	352-93-2	109-79-5	624-92-0	554-14-3	616-44-4	110-01-0
	MW	34.08	34.08	34.08	60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17
Data Used (mg/m3)																					
S- 101 a		<3.44E-03	<3.44E-03	<3.44E-03	<6.06E-03	<4.85E-03	<6.27E-03	<6.27E-03	<7.68E-03	<7.68E-03	<9.10E-03	<7.68E-03	<7.68E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.50E-03	<9.90E-03	<9.90E-03	<8.89E-03
S- 102 a		<3.45E-03	<3.45E-03	<3.45E-03	<6.08E-03	<4.87E-03	<6.29E-03	<6.29E-03	<7.71E-03	<7.71E-03	<9.13E-03	<7.71E-03	<7.71E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.54E-03	<9.94E-03	<9.94E-03	<8.93E-03
S- 103 a		<3.48E-03	<3.48E-03	<3.48E-03	<6.14E-03	<4.92E-03	<6.35E-03	<6.35E-03	<7.78E-03	<7.78E-03	<9.22E-03	<7.78E-03	<7.78E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.62E-03	<1.00E-02	<1.00E-02	<9.01E-03
S- 104 a		<3.57E-03	<3.57E-03	<3.57E-03	<6.29E-03	<5.04E-03	<6.51E-03	<6.51E-03	<7.97E-03	<7.98E-03	<9.44E-03	<7.98E-03	<7.98E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.86E-03	<1.03E-02	<1.03E-02	<9.23E-03
S- 105 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<9.38E-03	<9.78E-03	<9.78E-03	<8.78E-03
S- 106 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<9.31E-03	<9.70E-03	<9.71E-03	<8.72E-03
S- 107 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<9.21E-03	<9.60E-03	<9.60E-03	<8.62E-03
S- 108 a		<3.32E-03	<3.32E-03	<3.32E-03	<5.85E-03	<4.68E-03	<6.05E-03	<6.05E-03	<7.41E-03	<7.41E-03	<8.77E-03	<7.41E-03	<7.41E-03	<8.77E-03	<8.77E-03	<8.77E-03	<8.77E-03	<9.16E-03	<9.55E-03	<9.55E-03	<8.58E-03
S- 109 a		<3.29E-03	<3.29E-03	<3.29E-03	<5.80E-03	<4.65E-03	<6.00E-03	<6.00E-03	<7.36E-03	<7.36E-03	<8.71E-03	<7.36E-03	<7.36E-03	<8.71E-03	<8.71E-03	<8.71E-03	<8.71E-03	<9.10E-03	<9.48E-03	<9.48E-03	<8.52E-03
S- 110 a		<3.38E-03	<3.38E-03	<3.38E-03	<5.95E-03	<4.77E-03	<6.15E-03	<6.15E-03	<7.54E-03	<7.54E-03	<8.93E-03	<7.54E-03	<7.54E-03	<8.93E-03	<8.93E-03	<8.93E-03	<8.93E-03	<9.33E-03	<9.72E-03	<9.72E-03	<8.73E-03
S- 111 a		<3.26E-03	<3.26E-03	<3.26E-03	<5.75E-03	<4.61E-03	<5.95E-03	<5.95E-03	<7.29E-03	<7.29E-03	<8.64E-03	<7.29E-03	<7.29E-03	<8.64E-03	<8.64E-03	<8.64E-03	<8.64E-03	<9.02E-03	<9.40E-03	<9.40E-03	<8.44E-03
S- 112 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<9.21E-03	<9.60E-03	<9.60E-03	<8.62E-03
S- 113 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<9.21E-03	<9.60E-03	<9.60E-03	<8.62E-03
S- 114 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 201 a		0.0156	0.0156	<3.54E-03	<6.23E-03	<4.99E-03	<6.45E-03	<6.45E-03	<7.90E-03	<7.90E-03	<9.36E-03	<7.90E-03	<7.90E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.36E-03	<9.77E-03	<1.02E-02	<1.02E-02	<9.15E-03
S- 202 a		0.0071	0.0071	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.89E-03	<9.34E-03	<7.89E-03	<7.89E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.75E-03	<1.02E-02	<1.02E-02	<9.13E-03
S- 203 a		0.0071	<3.56E-03	0.0071	<6.27E-03	<5.02E-03	<6.48E-03	<6.48E-03	<7.94E-03	<7.95E-03	<9.41E-03	<7.95E-03	<7.95E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.83E-03	<1.02E-02	<1.02E-02	<9.20E-03
S- 204 a		<3.58E-03	<3.58E-03	<3.58E-03	<6.30E-03	<5.05E-03	<6.52E-03	<6.52E-03	<7.99E-03	<7.99E-03	<9.46E-03	<7.99E-03	<7.99E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.46E-03	<9.88E-03	<1.03E-02	<1.03E-02	<9.25E-03
S- 205 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.09E-03	<4.88E-03	<6.30E-03	<6.30E-03	<7.72E-03	<7.72E-03	<9.15E-03	<7.72E-03	<7.72E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.55E-03	<9.96E-03	<9.96E-03	<8.94E-03
S- 206 a		<3.43E-03	<3.43E-03	<3.43E-03	<6.04E-03	<4.84E-03	<6.24E-03	<6.24E-03	<7.65E-03	<7.65E-03	<9.06E-03	<7.65E-03	<7.65E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.06E-03	<9.47E-03	<9.87E-03	<9.87E-03	<8.86E-03
S- 207 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<9.38E-03	<9.78E-03	<9.78E-03	<8.78E-03
S- 208 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 209 a		<3.40E-03	<3.40E-03	<3.40E-03	<5.99E-03	<4.80E-03	<6.20E-03	<6.20E-03	<7.60E-03	<7.60E-03	<9.00E-03	<7.60E-03	<7.60E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.40E-03	<9.79E-03	<9.79E-03	<8.80E-03
S- 210 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.97E-03	<4.78E-03	<6.18E-03	<6.18E-03	<7.57E-03	<7.57E-03	<8.97E-03	<7.57E-03	<7.57E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<9.36E-03	<9.76E-03	<9.76E-03	<8.76E-03
S- 211 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.98E-03	<4.79E-03	<6.19E-03	<6.19E-03	<7.58E-03	<7.58E-03	<8.98E-03	<7.58E-03	<7.58E-03	<8.98E-03	<8.98E-03	<8.98E-03	<8.98E-03	<9.38E-03	<9.78E-03	<9.78E-03	<8.78E-03
S- 212 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<9.31E-03	<9.70E-03	<9.71E-03	<8.72E-03
S- 213 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<9.31E-03	<9.70E-03	<9.71E-03	<8.72E-03
S- 214 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 301 a		<3.53E-03	<3.53E-03	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.89E-03	<9.34E-03	<7.89E-03	<7.89E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.75E-03	<1.02E-02	<1.02E-02	<9.13E-03
S- 302 a		<3.60E-03	<3.60E-03	<3.60E-03	<6.34E-03	<5.08E-03	<6.56E-03	<6.56E-03	<8.03E-03	<8.04E-03	<9.52E-03	<8.04E-03	<8.04E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.52E-03	<9.94E-03	<1.04E-02	<1.04E-02	<9.30E-03
S- 303 a		<3.52E-03	<3.52E-03	<3.52E-03	<6.21E-03	<4.97E-03	<6.42E-03	<6.42E-03	<7.87E-03	<7.87E-03	<9.32E-03	<7.87E-03	<7.87E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.73E-03	<1.01E-02	<1.01E-02	<9.11E-03
S- 304 a		<3.53E-03	<3.53E-03	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.89E-03	<9.34E-03	<7.89E-03	<7.89E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.75E-03	<1.02E-02	<1.02E-02	<9.13E-03
S- 305 a		<3.25E-03	<3.25E-03	<3.25E-03	<5.72E-03	<4.58E-03	<5.92E-03	<5.92E-03	<7.25E-03	<7.26E-03	<8.59E-03	<7.26E-03	<7.26E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.59E-03	<8.97E-03	<9.35E-03	<9.35E-03	<8.40E-03
S- 306 a		<3.30E-03	<3.30E-03	<3.30E-03	<5.81E-03	<4.66E-03	<6.01E-03	<6.01E-03	<7.37E-03	<7.37E-03	<8.73E-03	<7.37E-03	<7.37E-03	<8.73E-03	<8.73E-03	<8.73E-03	<8.73E-03	<9.12E-03	<9.50E-03	<9.50E-03	<8.53E-03
S- 307 a		<3.29E-03	<3.29E-03	<3.29E-03	<5.79E-03	<4.64E-03	<5.99E-03	<5.99E-03	<7.34E-03	<7.34E-03	<8.70E-03	<7.34E-03	<7.34E-03	<8.70E-03	<8.70E-03	<8.70E-03	<8.70E-03	<9.08E-03	<9.47E-03	<9.47E-03	<8.50E-03
S- 308 a		<3.33E-03	<3.33E-03	<3.33E-03	<5.88E-03	<4.71E-03	<6.08E-03	<6.08E-03	<7.45E-03	<7.45E-03	<8.82E-03	<7.45E-03	<7.45E-03	<8.82E-03	<8.82E-03	<8.82E-03	<8.82E-03	<9.21E-03	<9.60E-03	<9.60E-03	<8.62E-03
S- 309 a		<3.24E-03	<3.24E-03	<3.24E-03	<5.71E-03	<4.58E-03	<5.91E-03	<5.91E-03	<7.24E-03	<7.24E-03	<8.58E-03	<7.24E-03	<7.24E-03	<8.58E-03	<8.58E-03	<8.58E-03	<8.58E-03	<8.96E-03	<9.33E-03	<9.34E-03	<8.38E-03
S- 310 a		<3.11E-03	<3.11E-03	<3.11E-03	<5.48E-03	<4.39E-03	<5.66E-03	<5.66E-03	<6.94E-03	<6.94E-03	<8.22E-03	<6.94E-03	<6.94E-03	<8.22E-03	<8.22E-03	<8.22E-03	<8.22E-03	<8.59E-03	<8.95E-03	<8.95E-03	<8.04E-03
S- 311 a		<3.20E-03	<3.20E-03	<3.20E-03	<5.64E-03	<4.51E-03	<5.83E-03	<5.83E-03	<7.14E-03	<7.14E-03	<8.46E-03	<7.14E-03	<7.14E-03	<8.46E-03	<8.46E-03	<8.46E-03	<8.46E-03	<8.83E-03	<9.21E-03	<9.21E-03	<8.27E-03
S- 312 a		<3.22E-03	<3.22E-03	<3.22E-03	<5.68E-03	<4.55E-03	<5.88E-03	<5.88E-03	<7.20E-03	<7.21E-03	<8.53E-03	<7.21E-03	<7.21E-03	<8.53E-03	<8.53E-03	<8.53E-03	<8.53E-03	<8.91E-03	<9.29E-03	<9.29E-03	<8.34E-03
S- 313 a		<3.22E-03	<3.22E-03	<3.22E-03	<5.68E-03	<4.55E-03	<5.88E-03	<5.88E-03	<7.20E-03	<7.21E-03	<8.53E-03	<7.21E-03	<7.21E-03	<8.53E-03	<8.53E-03	<8.53E-03	<8.53E-03	<8.91E-03	<9.29E-03	<9.29E-03	<8.34E-03
S- 314 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 401 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 402 a		<3.52E-03	<3.52E-03	<3.52E-03	<6.21E-03	<4.97E-03	<6.42E-03	<6.42E-03	<7.87E-03	<7.87E-03	<9.32E-03	<7.87E-03	<7.87E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.73E-03	<1.01E-02	<1.01E-02	<9.11E-03
S- 403 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.17E-03	<4.94E-03	<6.38E-03	<6.38E-03	<7.82E-03	<7.83E-03	<9.27E-03	<7.83E-03	<7.83E-03	<9.27E-03	<9.27E-03	<9.27E-03	<9.27E-03	<9.68E-03	<1.01E-02	<1.01E-02	<9.06E-03
S- 404 a		<3.48E-03	<3.48E-03	<3.48E-03	<6.14E-03	<4.92E-03	<6.35E-03	<6.35E-03	<7.78E-03	<7.78E-03	<9.22E-03	<7.78E-03	<7.78E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.22E-03	<9.62E-03	<1.00E-02	<1.00E-02	<9.01E-03
S- 405 a		<3.39E-03	<3.39E-03	<3.39E-03	<5.97E-03	<4.78E-03	<6.18E-03	<6.18E-03	<7.57E-03	<7.57E-03	<8.97E-03	<7.57E-03	<7.57E-03	<8.97E-03	<8.97E-03	<8.97E-03	<8.97E-03	<9.36E-03	<9.76E-03	<9.76E-03	<8.76E-03
S- 406 a		<3.41E-03	<3.41E-03	<3.41E-03	<6.02E-03	<4.82E-03	<6.22E-03	<6.22E-03	<7.62E-03	<7.63E-03	<9.03E-03	<7.63E-03	<7.63E-03	<9.03E-03	<9.03E-03	<9.03E-03	<9.03E-03	<9.43E-03	<9.83E-03	<9.83E-03	<8.83E-03
S- 407 a		<3.44E-03	<3.44E-03	<3.44E-03	<6.06E-03	<4.85E-03	<6.27E-03	<6.27E-03	<7.68E-03	<7.68E-03	<9.10E-03	<7.68E-03	<7.68E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.10E-03	<9.50E-03	<9.90E-03	<9.90E-03	<8.89E-03
S- 408 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.09E-03	<4.88E-03	<6.30E-03	<6.30E-03	<7.72E-03	<7.72E-03	<9.15E-03	<7.72E-03	<7.72E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.55E-03	<9.96E-03	<9.96E-03	<8.94E-03
S- 409 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.09E-03	<4.88E-03	<6.30E-03	<6.30E-03	<7.72E-03	<7.72E-03	<9.15E-03	<7.72E-03	<7.72E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.15E-03	<9.55E-03	<9.96E-03	<9.96E-03	<8.94E-03
S- 410 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 501 a		<3.53E-03	<3.53E-03	<3.53E-03	<6.22E-03	<4.98E-03	<6.43E-03	<6.43E-03	<7.88E-03	<7.89E-03	<9.34E-03	<7.89E-03	<7.89E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.34E-03	<9.75E-03	<1.02E-02	<1.02E-02	<9.13E-03
S- 502 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 503 a		<3.51E-03	<3.51E-03	<3.51E-03	<6.19E-03	<4.95E-03	<6.40E-03	<6.40E-03	<7.84E-03	<7.84E-03	<9.28E-03	<7.84E-03	<7.84E-03	<9.28E-03	<9.28E-03	<9.29E-03	<9.28E-03	<9.70E-03	<1.01E-02	<1.01E-02	<9.08E-03
S- 504 a		<3.52E-03	<3.52E-03	<3.52E-03	<6.21E-03	<4.97E-03	<6.42E-03	<6.42E-03	<7.87E-03	<7.87E-03	<9.32E-03	<7.87E-03	<7.87E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.32E-03	<9.73E-03	<1.01E-02	<1.01E-02	<9.11E-03
S- 505 a		<3.45E-03	<3.45E-03	<3.45E-03	<6.08E-03	<4.87E-03	<6.29E-03	<6.29E-03	<7.71E-03	<7.71E-03	<9.13E-03	<7.71E-03	<7.71E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.13E-03	<9.54E-03	<9.94E-03	<9.94E-03	<8.93E-03
S- 506 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.11E-03	<4.89E-03	<6.31E-03	<6.31E-03	<7.74E-03	<7.74E-03	<9.16E-03	<7.74E-03	<7.74E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.57E-03	<9.97E-03	<9.98E-03	<8.96E-03
S- 507 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.11E-03	<4.89E-03	<6.31E-03	<6.31E-03	<7.74E-03	<7.74E-03	<9.16E-03	<7.74E-03	<7.74E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.57E-03	<9.97E-03	<9.98E-03	<8.96E-03
S- 508 a		<3.47E-03	<3.47E-03	<3.47E-03	<6.12E-03	<4.90E-03	<6.33E-03	<6.33E-03	<7.75E-03	<7.75E-03	<9.18E-03	<7.75E-03	<7.75E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.59E-03	<9.99E-03	<9.99E-03	<8.98E-03
S- 509 a		<3.47E-03	<3.47E-03	<3.47E-03	<6.12E-03	<4.90E-03	<6.33E-03	<6.33E-03	<7.75E-03	<7.75E-03	<9.18E-03	<7.75E-03	<7.75E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.59E-03	<9.99E-03	<9.99E-03	<8.98E-03
S- 510 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03
S- 601 a		<3.57E-03	<3.57E-03	<3.57E-03	<6.29E-03	<5.04E-03	<6.51E-03	<6.51E-03	<7.97E-03	<7.98E-03	<9.44E-03	<7.98E-03	<7.98E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.44E-03	<9.86E-03	<1.03E-02	<1.03E-02	<9.23E-03
S- 602 a		<3.56E-03	<3.56E-03	<3.56E-03	<6.28E-03	<5.03E-03	<6.49E-03	<6.49E-03	<7.96E-03	<7.96E-03	<9.43E-03	<7.96E-03	<7.96E-03	<9.43E-03	<9.43E-03	<9.43E-03	<9.43E-03	<9.84E-03	<1.03E-02	<1.03E-02	<9.22E-03
S- 603 a		<3.56E-03	<3.56E-03	<3.56E-03	<6.27E-03	<5.02E-03	<6.48E-03	<6.48E-03	<7.94E-03	<7.95E-03	<9.41E-03	<7.95E-03	<7.95E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.41E-03	<9.83E-03	<1.02E-02	<1.02E-02	<9.20E-03
S- 604 a		<3.56E-03	<3.56E-03	<3.56E-03	<6.28E-03	<5.03E-03	<6.49E-03	<6.49E-03	<7.96E-03	<7.96E-03	<9.43E-03	<7.96E-03	<7.96E-03	<9.43E-03	<9.43E-03	<9.43E-03	<9.43E-03	<9.84E-03	<1.03E-02	<1.03E-02	<9.22E-03
S- 605 a		<3.40E-03	<3.40E-03	<3.40E-03	<5.99E-03	<4.80E-03	<6.20E-03	<6.20E-03	<7.60E-03	<7.60E-03	<9.00E-03	<7.60E-03	<7.60E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.00E-03	<9.40E-03	<9.79E-03	<9.79E-03	<8.80E-03
S- 606 a		<3.47E-03	<3.47E-03	<3.47E-03	<6.12E-03	<4.90E-03	<6.33E-03	<6.33E-03	<7.75E-03	<7.75E-03	<9.18E-03	<7.75E-03	<7.75E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.18E-03	<9.59E-03	<9.99E-03	<9.99E-03	<8.98E-03
S- 607 a		<3.37E-03	<3.37E-03	<3.37E-03	<5.94E-03	<4.76E-03	<6.14E-03	<6.14E-03	<7.53E-03	<7.53E-03	<8.92E-03	<7.53E-03	<7.53E-03	<8.92E-03	<8.92E-03	<8.92E-03	<8.92E-03	<9.31E-03	<9.70E-03	<9.71E-03	<8.72E-03
S- 608 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.11E-03	<4.89E-03	<6.31E-03	<6.31E-03	<7.74E-03	<7.74E-03	<9.16E-03	<7.74E-03	<7.74E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.57E-03	<9.97E-03	<9.98E-03	<8.96E-03
S- 609 a		<3.46E-03	<3.46E-03	<3.46E-03	<6.11E-03	<4.89E-03	<6.31E-03	<6.31E-03	<7.74E-03	<7.74E-03	<9.16E-03	<7.74E-03	<7.74E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.16E-03	<9.57E-03	<9.97E-03	<9.98E-03	<8.96E-03
S- 610 a		<3.50E-03	<3.50E-03	<3.50E-03	<6.16E-03	<4.93E-03	<6.37E-03	<6.37E-03	<7.81E-03	<7.81E-03	<9.25E-03	<7.81E-03	<7.81E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.01E-02	<1.01E-02	<9.04E-03

Table 5
Chiquita Canyon July 2025 Test Event
ORS Compounds

Sample Number		Total Reduced Sulfurs	Hydrogen Sulfide	Total Unidentified Sulfur	COS / SO2	Methyl Mercaptan	Ethyl Mercaptan	Dimethyl Sulfide	Carbon Disulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan	n-Propyl Mercaptan	Methylethylsulfide	sec-Butyl Mercaptan / Thiophene	Iso-Butyl Mercaptan	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	2-Methylthiophene	3-Methylthiophene	Tetrahydrothiophene
	CAS		7783-06-4		463-58-1	74-93-1	75-08-1	75-18-3	75-15-0	75-33-2	75-66-1	107-03-9	624-89-5	513-53-1	513-44-0	352-93-2	109-79-5	624-92-0	554-14-3	616-44-4	110-01-0
	MW	34.08	34.08	34.08	60.08	48.11	62.134	62.134	76.14	76.16	90.186	76.16	76.16	90.186	90.186	90.19	90.186	94.19	98.16	98.17	88.17
Flux (mg/m2-min)																					
S- 101 a		<3.08E-04	<3.08E-04	<3.08E-04	<5.44E-04	<4.35E-04	<5.62E-04	<5.62E-04	<6.89E-04	<6.89E-04	<8.16E-04	<6.89E-04	<6.89E-04	<8.16E-04	<8.16E-04	<8.16E-04	<8.16E-04	<8.52E-04	<8.88E-04	<8.88E-04	<7.98E-04
S- 102 a		<1.94E-04	<1.94E-04	<1.94E-04	<3.42E-04	<2.74E-04	<3.54E-04	<3.54E-04	<4.33E-04	<4.33E-04	<5.13E-04	<4.33E-04	<4.33E-04	<5.13E-04	<5.13E-04	<5.13E-04	<5.13E-04	<5.36E-04	<5.59E-04	<5.59E-04	<5.02E-04
S- 103 a		<2.63E-04	<2.63E-04	<2.63E-04	<4.64E-04	<3.72E-04	<4.80E-04	<4.80E-04	<5.88E-04	<5.88E-04	<6.97E-04	<5.88E-04	<5.88E-04	<6.97E-04	<6.97E-04	<6.97E-04	<6.97E-04	<7.28E-04	<7.58E-04	<7.59E-04	<6.81E-04
S- 104 a		<1.70E-04	<1.70E-04	<1.70E-04	<2.99E-04	<2.39E-04	<3.09E-04	<3.09E-04	<3.79E-04	<3.79E-04	<4.49E-04	<3.79E-04	<3.79E-04	<4.49E-04	<4.49E-04	<4.49E-04	<4.49E-04	<4.69E-04	<4.88E-04	<4.88E-04	<4.39E-04
S- 105 a		<1.47E-04	<1.47E-04	<1.47E-04	<2.58E-04	<2.07E-04	<2.67E-04	<2.67E-04	<3.28E-04	<3.28E-04	<3.88E-04	<3.28E-04	<3.28E-04	<3.88E-04	<3.88E-04	<3.88E-04	<3.88E-04	<4.05E-04	<4.22E-04	<4.22E-04	<3.79E-04
S- 106 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.85E-04	<2.28E-04	<2.94E-04	<2.94E-04	<3.61E-04	<3.61E-04	<4.27E-04	<3.61E-04	<3.61E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.46E-04	<4.65E-04	<4.65E-04	<4.18E-04
S- 107 a		<2.13E-04	<2.13E-04	<2.13E-04	<3.76E-04	<3.01E-04	<3.88E-04	<3.88E-04	<4.76E-04	<4.76E-04	<5.64E-04	<4.76E-04	<4.76E-04	<5.64E-04	<5.64E-04	<5.64E-04	<5.64E-04	<5.89E-04	<6.14E-04	<6.14E-04	<5.51E-04
S- 108 a		<5.12E-04	<5.12E-04	<5.12E-04	<9.02E-04	<7.22E-04	<9.33E-04	<9.33E-04	<1.14E-03	<1.14E-03	<1.35E-03	<1.14E-03	<1.14E-03	<1.35E-03	<1.35E-03	<1.35E-03	<1.35E-03	<1.41E-03	<1.47E-03	<1.47E-03	<1.32E-03
S- 109 a		<1.59E-04	<1.59E-04	<1.59E-04	<2.81E-04	<2.25E-04	<2.91E-04	<2.91E-04	<3.56E-04	<3.56E-04	<4.22E-04	<3.56E-04	<3.56E-04	<4.22E-04	<4.22E-04	<4.22E-04	<4.22E-04	<4.41E-04	<4.59E-04	<4.59E-04	<4.12E-04
S- 110 a		<1.44E-04	<1.44E-04	<1.44E-04	<2.53E-04	<2.03E-04	<2.62E-04	<2.62E-04	<3.21E-04	<3.21E-04	<3.80E-04	<3.21E-04	<3.21E-04	<3.80E-04	<3.80E-04	<3.80E-04	<3.80E-04	<3.97E-04	<4.14E-04	<4.14E-04	<3.72E-04
S- 111 a		<9.64E-04	<9.64E-04	<9.64E-04	<1.70E-03	<1.36E-03	<1.76E-03	<1.76E-03	<2.15E-03	<2.15E-03	<2.55E-03	<2.15E-03	<2.15E-03	<2.55E-03	<2.55E-03	<2.55E-03	<2.55E-03	<2.66E-03	<2.78E-03	<2.78E-03	<2.49E-03
S- 112 a		<1.84E-04	<1.84E-04	<1.84E-04	<3.25E-04	<2.60E-04	<3.36E-04	<3.36E-04	<4.11E-04	<4.12E-04	<4.87E-04	<4.12E-04	<4.12E-04	<4.87E-04	<4.87E-04	<4.87E-04	<4.87E-04	<5.09E-04	<5.30E-04	<5.30E-04	<4.76E-04
S- 113 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.85E-04	<2.28E-04	<2.94E-04	<2.94E-04	<3.61E-04	<3.61E-04	<4.27E-04	<3.61E-04	<3.61E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.27E-04	<4.46E-04	<4.65E-04	<4.65E-04	<4.18E-04
S- 114 a		<1.46E-04	<1.46E-04	<1.46E-04	<2.58E-04	<2.06E-04	<2.66E-04	<2.66E-04	<3.27E-04	<3.27E-04	<3.87E-04	<3.27E-04	<3.27E-04	<3.87E-04	<3.87E-04	<3.87E-04	<3.87E-04	<4.04E-04	<4.21E-04	<4.21E-04	<3.78E-04
S- 201 a		0.00073	0.00073	<1.65E-04	<2.91E-04	<2.33E-04	<3.01E-04	<3.01E-04	<3.69E-04	<3.69E-04	<4.38E-04	<3.69E-04	<3.69E-04	<4.38E-04	<4.38E-04	<4.38E-04	<4.38E-04	<4.57E-04	<4.76E-04	<4.76E-04	<4.28E-04
S- 202 a		0.00036	0.00036	<1.82E-04	<3.20E-04	<2.56E-04	<3.31E-04	<3.31E-04	<4.06E-04	<4.06E-04	<4.80E-04	<4.06E-04	<4.06E-04	<4.80E-04	<4.80E-04	<4.80E-04	<4.80E-04	<5.02E-04	<5.23E-04	<5.23E-04	<4.70E-04
S- 203 a		0.00028	<1.39E-04	0.00028	<2.45E-04	<1.96E-04	<2.54E-04	<2.54E-04	<3.11E-04	<3.11E-04	<3.68E-04	<3.11E-04	<3.11E-04	<3.68E-04	<3.68E-04	<3.68E-04	<3.68E-04	<3.85E-04	<4.01E-04	<4.01E-04	<3.60E-04
S- 204 a		<1.91E-04	<1.91E-04	<1.91E-04	<3.36E-04	<2.69E-04	<3.47E-04	<3.47E-04	<4.26E-04	<4.26E-04	<5.04E-04	<4.26E-04	<4.26E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.04E-04	<5.27E-04	<5.49E-04	<5.49E-04	<4.93E-04
S- 205 a		<1.49E-04	<1.49E-04	<1.49E-04	<2.64E-04	<2.11E-04	<2.73E-04	<2.73E-04	<3.34E-04	<3.34E-04	<3.96E-04	<3.34E-04	<3.34E-04	<3.96E-04	<3.96E-04	<3.96E-04	<3.96E-04	<4.13E-04	<4.31E-04	<4.31E-04	<3.87E-04
S- 206 a		<2.30E-04	<2.30E-04	<2.30E-04	<4.06E-04	<3.25E-04	<4.20E-04	<4.20E-04	<5.15E-04	<5.15E-04	<6.10E-04	<5.15E-04	<5.15E-04	<6.10E-04	<6.10E-04	<6.10E-04	<6.10E-04	<6.37E-04	<6.64E-04	<6.64E-04	<5.96E-04
S- 207 a		<1.50E-04	<1.50E-04	<1.50E-04	<2.65E-04	<2.12E-04	<2.74E-04	<2.74E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.98E-04	<3.98E-04	<3.98E-04	<4.15E-04	<4.33E-04	<4.33E-04	<3.89E-04
S- 208 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.69E-04	<2.15E-04	<2.78E-04	<2.78E-04	<3.41E-04	<3.41E-04	<4.03E-04	<3.41E-04	<3.41E-04	<4.03E-04	<4.03E-04	<4.03E-04	<4.03E-04	<4.21E-04	<4.39E-04	<4.39E-04	<3.94E-04
S- 209 a		<1.44E-04	<1.44E-04	<1.44E-04	<2.55E-04	<2.04E-04	<2.63E-04	<2.63E-04	<3.23E-04	<3.23E-04	<3.82E-04	<3.23E-04	<3.23E-04	<3.82E-04	<3.82E-04	<3.82E-04	<3.82E-04	<3.99E-04	<4.16E-04	<4.16E-04	<3.74E-04
S- 210 a		<1.61E-04	<1.61E-04	<1.61E-04	<2.83E-04	<2.27E-04	<2.93E-04	<2.93E-04	<3.59E-04	<3.59E-04	<4.25E-04	<3.59E-04	<3.59E-04	<4.25E-04	<4.25E-04	<4.25E-04	<4.25E-04	<4.44E-04	<4.63E-04	<4.63E-04	<4.15E-04
S- 211 a		<1.50E-04	<1.50E-04	<1.50E-04	<2.65E-04	<2.12E-04	<2.74E-04	<2.74E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.36E-04	<3.36E-04	<3.98E-04	<3.98E-04	<3.98E-04	<3.98E-04	<4.16E-04	<4.33E-04	<4.33E-04	<3.89E-04
S- 212 a		<1.39E-04	<1.39E-04	<1.39E-04	<2.44E-04	<1.96E-04	<2.53E-04	<2.53E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.83E-04	<3.99E-04	<3.99E-04	<3.59E-04
S- 213 a		<1.56E-04	<1.56E-04	<1.56E-04	<2.74E-04	<2.20E-04	<2.84E-04	<2.84E-04	<3.48E-04	<3.48E-04	<4.12E-04	<3.48E-04	<3.48E-04	<4.12E-04	<4.12E-04	<4.12E-04	<4.12E-04	<4.30E-04	<4.48E-04	<4.48E-04	<4.03E-04
S- 214 a		<1.60E-04	<1.60E-04	<1.60E-04	<2.82E-04	<2.26E-04	<2.92E-04	<2.92E-04	<3.58E-04	<3.58E-04	<4.24E-04	<3.58E-04	<3.58E-04	<4.24E-04	<4.24E-04	<4.24E-04	<4.24E-04	<4.42E-04	<4.61E-04	<4.61E-04	<4.14E-04
S- 301 a		<2.54E-04	<2.54E-04	<2.54E-04	<4.47E-04	<3.58E-04	<4.63E-04	<4.63E-04	<5.67E-04	<5.67E-04	<6.72E-04	<5.67E-04	<5.67E-04	<6.72E-04	<6.72E-04	<6.72E-04	<6.72E-04	<7.02E-04	<7.31E-04	<7.31E-04	<6.57E-04
S- 302 a		<1.40E-04	<1.40E-04	<1.40E-04	<2.47E-04	<1.98E-04	<2.56E-04	<2.56E-04	<3.14E-04	<3.14E-04	<3.72E-04	<3.14E-04	<3.14E-04	<3.72E-04	<3.72E-04	<3.72E-04	<3.72E-04	<3.88E-04	<4.04E-04	<4.04E-04	<3.63E-04
S- 303 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.67E-04	<2.14E-04	<2.77E-04	<2.77E-04	<3.39E-04	<3.39E-04	<4.02E-04	<3.39E-04	<3.39E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.19E-04	<4.37E-04	<4.37E-04	<3.93E-04
S- 304 a		<1.74E-04	<1.74E-04	<1.74E-04	<3.06E-04	<2.45E-04	<3.17E-04	<3.17E-04	<3.88E-04	<3.88E-04	<4.60E-04	<3.88E-04	<3.88E-04	<4.60E-04	<4.60E-04	<4.60E-04	<4.60E-04	<4.80E-04	<5.00E-04	<5.00E-04	<4.49E-04
S- 305 a		<2.66E-04	<2.66E-04	<2.66E-04	<4.69E-04	<3.76E-04	<4.85E-04	<4.85E-04	<5.95E-04	<5.95E-04	<7.04E-04	<5.95E-04	<5.95E-04	<7.04E-04	<7.04E-04	<7.05E-04	<7.04E-04	<7.36E-04	<7.67E-04	<7.67E-04	<6.89E-04
S- 306 a		<5.67E-04	<5.67E-04	<5.67E-04	<1.00E-03	<8.01E-04	<1.03E-03	<1.03E-03	<1.27E-03	<1.27E-03	<1.50E-03	<1.27E-03	<1.27E-03	<1.50E-03	<1.50E-03	<1.50E-03	<1.50E-03	<1.57E-03	<1.63E-03	<1.63E-03	<1.47E-03
S- 307 a		<2.02E-04	<2.02E-04	<2.02E-04	<3.57E-04	<2.86E-04	<3.69E-04	<3.69E-04	<4.52E-04	<4.52E-04	<5.36E-04	<4.52E-04	<4.52E-04	<5.36E-04	<5.36E-04	<5.36E-04	<5.36E-04	<5.59E-04	<5.83E-04	<5.83E-04	<5.24E-04
S- 308 a		<2.12E-04	<2.12E-04	<2.12E-04	<3.74E-04	<2.99E-04	<3.87E-04	<3.87E-04	<4.74E-04	<4.74E-04	<5.61E-04	<4.74E-04	<4.74E-04	<5.61E-04	<5.61E-04	<5.61E-04	<5.61E-04	<5.86E-04	<6.11E-04	<6.11E-04	<5.49E-04
S- 309 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.78E-04	<3.20E-04	<3.20E-04	<3.78E-04	<3.78E-04	<3.78E-04	<3.79E-04	<3.78E-04	<3.95E-04	<4.12E-04	<3.70E-04
S- 310 a		<1.77E-04	<1.77E-04	<1.77E-04	<3.13E-04	<2.51E-04	<3.24E-04	<3.24E-04	<3.97E-04	<3.97E-04	<4.70E-04	<3.97E-04	<3.97E-04	<4.70E-04	<4.70E-04	<4.70E-04	<4.70E-04	<4.91E-04	<5.11E-04	<5.11E-04	<4.59E-04
S- 311 a		<2.06E-04	<2.06E-04	<2.06E-04	<3.63E-04	<2.91E-04	<3.76E-04	<3.76E-04	<4.61E-04	<4.61E-04	<5.46E-04	<4.61E-04	<4.61E-04	<5.46E-04	<5.46E-04	<5.46E-04	<5.46E-04	<5.70E-04	<5.94E-04	<5.94E-04	<5.33E-04
S- 312 a		<1.60E-04	<1.60E-04	<1.60E-04	<2.82E-04	<2.26E-04	<2.91E-04	<2.91E-04	<3.57E-04	<3.57E-04	<4.23E-04	<3.57E-04	<3.57E-04	<4.23E-04	<4.23E-04	<4.23E-04	<4.23E-04	<4.42E-04	<4.60E-04	<4.60E-04	<4.14E-04
S- 313 a		<1.27E-04	<1.27E-04	<1.27E-04	<2.24E-04	<1.80E-04	<2.32E-04	<2.32E-04	<2.84E-04	<2.84E-04	<3.37E-04	<2.84E-04	<2.84E-04	<3.37E-04	<3.37E-04	<3.37E-04	<3.37E-04	<3.51E-04	<3.66E-04	<3.66E-04	<3.29E-04
S- 314 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.96E-04	<4.12E-04	<4.13E-04	<3.70E-04
S- 401 a		<2.33E-04	<2.33E-04	<2.33E-04	<4.10E-04	<3.29E-04	<4.24E-04	<4.24E-04	<5.20E-04	<5.20E-04	<6.16E-04	<5.20E-04	<5.20E-04	<6.16E-04	<6.16E-04	<6.16E-04	<6.16E-04	<6.43E-04	<6.71E-04	<6.71E-04	<6.02E-04
S- 402 a		<2.00E-04	<2.00E-04	<2.00E-04	<3.52E-04	<2.82E-04	<3.64E-04	<3.64E-04	<4.46E-04	<4.46E-04	<5.29E-04	<4.46E-04	<4.46E-04	<5.29E-04	<5.29E-04	<5.29E-04	<5.29E-04	<5.52E-04	<5.75E-04	<5.75E-04	<5.17E-04
S- 403 a		<1.43E-04	<1.43E-04	<1.43E-04	<2.52E-04	<2.02E-04	<2.61E-04	<2.61E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.20E-04	<3.20E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.79E-04	<3.96E-04	<4.13E-04	<4.13E-04	<3.71E-04
S- 404 a		<2.97E-04	<2.97E-04	<2.97E-04	<5.23E-04	<4.19E-04	<5.41E-04	<5.41E-04	<6.63E-04	<6.63E-04	<7.85E-04	<6.63E-04	<6.63E-04	<7.85E-04	<7.85E-04	<7.85E-04	<7.85E-04	<8.20E-04	<8.54E-04	<8.54E-04	<7.67E-04
S- 405 a		<1.51E-04	<1.51E-04	<1.51E-04	<2.66E-04	<2.13E-04	<2.76E-04	<2.76E-04	<3.38E-04	<3.38E-04	<4.00E-04	<3.38E-04	<3.38E-04	<4.00E-04	<4.00E-04	<4.00E-04	<4.00E-04	<4.18E-04	<4.35E-04	<4.35E-04	<3.91E-04
S- 406 a		<1.89E-04	<1.89E-04	<1.89E-04	<3.33E-04	<2.67E-04	<3.44E-04	<3.44E-04	<4.22E-04	<4.22E-04	<5.00E-04	<4.22E-04	<4.22E-04	<5.00E-04	<5.00E-04	<5.00E-04	<5.00E-04	<5.22E-04	<5.44E-04	<5.44E-04	<4.89E-04
S- 407 a		<1.39E-04	<1.39E-04	<1.39E-04	<2.44E-04	<1.96E-04	<2.53E-04	<2.53E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.10E-04	<3.10E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.67E-04	<3.83E-04	<3.99E-04	<3.99E-04	<3.59E-04
S- 408 a		<1.62E-04	<1.62E-04	<1.62E-04	<2.85E-04	<2.28E-04	<2.95E-04	<2.95E-04	<3.61E-04	<3.61E-04	<4.28E-04	<3.61E-04	<3.61E-04	<4.28E-04	<4.28E-04	<4.28E-04	<4.28E-04	<4.47E-04	<4.66E-04	<4.66E-04	<4.18E-04
S- 409 a		<1.58E-04	<1.58E-04	<1.58E-04	<2.78E-04	<2.23E-04	<2.88E-04	<2.88E-04	<3.53E-04	<3.53E-04	<4.18E-04	<3.53E-04	<3.53E-04	<4.18E-04	<4.18E-04	<4.18E-04	<4.18E-04	<4.36E-04	<4.54E-04	<4.55E-04	<4.08E-04
S- 410 a		<1.37E-04	<1.37E-04	<1.37E-04	<2.41E-04	<1.93E-04	<2.49E-04	<2.49E-04	<3.05E-04	<3.05E-04	<3.62E-04	<3.05E-04	<3.05E-04	<3.62E-04	<3.62E-04	<3.62E-04	<3.62E-04	<3.78E-04	<3.94E-04	<3.94E-04	<3.53E-04
S- 501 a		<1.54E-04	<1.54E-04	<1.54E-04	<2.72E-04	<2.18E-04	<2.81E-04	<2.81E-04	<3.44E-04	<3.44E-04	<4.08E-04	<3.44E-04	<3.44E-04	<4.08E-04	<4.08E-04	<4.08E-04	<4.08E-04	<4.26E-04	<4.44E-04	<4.44E-04	<3.99E-04
S- 502 a		<1.64E-04	<1.64E-04	<1.64E-04	<2.88E-04	<2.31E-04	<2.98E-04	<2.98E-04	<3.65E-04	<3.65E-04	<4.33E-04	<3.65E-04	<3.65E-04	<4.33E-04	<4.33E-04	<4.33E-04	<4.33E-04	<4.52E-04	<4.71E-04	<4.71E-04	<4.23E-04
S- 503 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.68E-04	<2.15E-04	<2.77E-04	<2.77E-04	<3.40E-04	<3.40E-04	<4.02E-04	<3.40E-04	<3.40E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.20E-04	<4.38E-04	<4.38E-04	<3.93E-04
S- 504 a		<1.70E-04	<1.70E-04	<1.70E-04	<3.00E-04	<2.40E-04	<3.10E-04	<3.10E-04	<3.80E-04	<3.80E-04	<4.50E-04	<3.80E-04	<3.80E-04	<4.50E-04	<4.50E-04	<4.50E-04	<4.50E-04	<4.70E-04	<4.90E-04	<4.90E-04	<4.40E-04
S- 505 a		<1.67E-04	<1.67E-04	<1.67E-04	<2.95E-04	<2.36E-04	<3.05E-04	<3.05E-04	<3.74E-04	<3.74E-04	<4.43E-04	<3.74E-04	<3.74E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.62E-04	<4.82E-04	<4.82E-04	<4.33E-04
S- 506 a		<1.57E-04	<1.57E-04	<1.57E-04	<2.77E-04	<2.22E-04	<2.86E-04	<2.86E-04	<3.51E-04	<3.51E-04	<4.16E-04	<3.51E-04	<3.51E-04	<4.16E-04	<4.16E-04	<4.16E-04	<4.16E-04	<4.34E-04	<4.52E-04	<4.52E-04	<4.06E-04
S- 507 a		<1.75E-04	<1.75E-04	<1.75E-04	<3.09E-04	<2.48E-04	<3.20E-04	<3.20E-04	<3.92E-04	<3.92E-04	<4.64E-04	<3.92E-04	<3.92E-04	<4.64E-04	<4.64E-04	<4.64E-04	<4.64E-04	<4.85E-04	<5.05E-04	<5.05E-04	<4.54E-04
S- 508 a		<2.09E-04	<2.09E-04	<2.09E-04	<3.68E-04	<2.95E-04	<3.81E-04	<3.81E-04	<4.66E-04	<4.67E-04	<5.52E-04	<4.67E-04	<4.67E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.77E-04	<6.01E-04	<6.01E-04	<5.40E-04
S- 509 a		<1.48E-04	<1.48E-04	<1.48E-04	<2.61E-04	<2.09E-04	<2.70E-04	<2.70E-04	<3.31E-04	<3.31E-04	<3.92E-04	<3.31E-04	<3.31E-04	<3.92E-04	<3.92E-04	<3.93E-04	<3.92E-04	<4.10E-04	<4.27E-04	<4.27E-04	<3.84E-04
S- 510 a		<1.52E-04	<1.52E-04	<1.52E-04	<2.68E-04	<2.15E-04	<2.77E-04	<2.77E-04	<3.40E-04	<3.40E-04	<4.02E-04	<3.40E-04	<3.40E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.02E-04	<4.20E-04	<4.38E-04	<4.38E-04	<3.93E-04
S- 601 a		<1.79E-04	<1.79E-04	<1.79E-04	<3.16E-04	<2.53E-04	<3.27E-04	<3.27E-04	<4.01E-04	<4.01E-04	<4.75E-04	<4.01E-04	<4.01E-04	<4.75E-04	<4.75E-04	<4.75E-04	<4.75E-04	<4.96E-04	<5.16E-04	<5.17E-04	<4.64E-04
S- 602 a		<1.67E-04	<1.67E-04	<1.67E-04	<2.95E-04	<2.36E-04	<3.05E-04	<3.05E-04	<3.74E-04	<3.74E-04	<4.43E-04	<3.74E-04	<3.74E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.43E-04	<4.62E-04	<4.82E-04	<4.82E-04	<4.33E-04
S- 603 a		<2.09E-04	<2.09E-04	<2.09E-04	<3.68E-04	<2.94E-04	<3.80E-04	<3.80E-04	<4.66E-04	<4.66E-04	<5.52E-04	<4.66E-04	<4.66E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.52E-04	<5.76E-04	<6.01E-04	<6.01E-04	<5.39E-04
S- 604 a		<1.53E-04	<1.53E-04	<1.53E-04	<2.69E-04	<2.16E-04	<2.79E-04	<2.79E-04	<3.41E-04	<3.42E-04	<4.04E-04	<3.42E-04	<3.42E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.22E-04	<4.40E-04	<4.40E-04	<3.95E-04
S- 605 a		<3.09E-04	<3.09E-04	<3.09E-04	<5.45E-04	<4.36E-04	<5.64E-04	<5.64E-04	<6.91E-04	<6.91E-04	<8.18E-04	<6.91E-04	<6.91E-04	<8.18E-04	<8.18E-04	<8.18E-04	<8.18E-04	<8.55E-04	<8.91E-04	<8.91E-04	<8.00E-04
S- 606 a		<1.64E-04	<1.64E-04	<1.64E-04	<2.89E-04	<2.31E-04	<2.99E-04	<2.99E-04	<3.66E-04	<3.66E-04	<4.34E-04	<3.66E-04	<3.66E-04	<4.34E-04	<4.34E-04	<4.34E-04	<4.34E-04	<4.53E-04	<4.72E-04	<4.72E-04	<4.24E-04
S- 607 a		<2.84E-04	<2.84E-04	<2.84E-04	<5.01E-04	<4.02E-04	<5.19E-04	<5.19E-04	<6.35E-04	<6.36E-04	<7.53E-04	<6.36E-04	<6.36E-04	<7.53E-04	<7.53E-04	<7.53E-04	<7.53E-04	<7.86E-04	<8.19E-04	<8.19E-04	<7.36E-04
S- 608 a		<3.57E-04	<3.57E-04	<3.57E-04	<6.29E-04	<5.04E-04	<6.51E-04	<6.51E-04	<7.98E-04	<7.98E-04	<9.45E-04	<7.98E-04	<7.98E-04	<9.45E-04	<9.45E-04	<9.45E-04	<9.45E-04	<9.87E-04	<1.03E-03	<1.03E-03	<9.24E-04
S- 609 a		<3.28E-04	<3.28E-04	<3.28E-04	<5.78E-04	<4.63E-04	<5.98E-04	<5.98E-04	<7.33E-04	<7.33E-04	<8.68E-04	<7.33E-04	<7.33E-04	<8.68E-04	<8.68E-04	<8.68E-04	<8.68E-04	<9.07E-04	<9.45E-04	<9.45E-04	<8.49E-04
S- 610 a		<1.53E-04	<1.53E-04	<1.53E-04	<2.69E-04	<2.16E-04	<2.78E-04	<2.78E-04	<3.41E-04	<3.41E-04	<4.04E-04	<3.41E-04	<3.41E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.04E-04	<4.22E-04	<4.40E-04	<4.40E-04	<3.95E-04

Table 5
Chiquita Canyon J
ORS Compounds

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

Table 5
Chiquita Canyon J
ORS Compounds

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

Table 5
Chiquita Canyon J
ORS Compounds

Sample Number		Bromothiophene	Thiophenol	Diethyl Disulfide
	CAS	1003-09-4	108-98-5	110-81-6
	MW	163.04	110.18	122.252
Data Used (mg/m3				
S- 101 a		<1.64E-02	<1.11E-02	<1.23E-02
S- 102 a		<1.65E-02	<1.12E-02	<1.24E-02
S- 103 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 104 a		<1.71E-02	<1.15E-02	<1.28E-02
S- 105 a		<1.62E-02	<1.10E-02	<1.22E-02
S- 106 a		<1.61E-02	<1.09E-02	<1.21E-02
S- 107 a		<1.59E-02	<1.08E-02	<1.20E-02
S- 108 a		<1.59E-02	<1.07E-02	<1.19E-02
S- 109 a		<1.58E-02	<1.06E-02	<1.18E-02
S- 110 a		<1.61E-02	<1.09E-02	<1.21E-02
S- 111 a		<1.56E-02	<1.06E-02	<1.17E-02
S- 112 a		<1.59E-02	<1.08E-02	<1.20E-02
S- 113 a		<1.59E-02	<1.08E-02	<1.20E-02
S- 114 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 201 a		<1.69E-02	<1.14E-02	<1.27E-02
S- 202 a		<1.69E-02	<1.14E-02	<1.27E-02
S- 203 a		<1.70E-02	<1.15E-02	<1.28E-02
S- 204 a		<1.71E-02	<1.16E-02	<1.28E-02
S- 205 a		<1.65E-02	<1.12E-02	<1.24E-02
S- 206 a		<1.64E-02	<1.11E-02	<1.23E-02
S- 207 a		<1.62E-02	<1.10E-02	<1.22E-02
S- 208 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 209 a		<1.63E-02	<1.10E-02	<1.22E-02
S- 210 a		<1.62E-02	<1.10E-02	<1.22E-02
S- 211 a		<1.62E-02	<1.10E-02	<1.22E-02
S- 212 a		<1.61E-02	<1.09E-02	<1.21E-02
S- 213 a		<1.61E-02	<1.09E-02	<1.21E-02
S- 214 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 301 a		<1.69E-02	<1.14E-02	<1.27E-02
S- 302 a		<1.72E-02	<1.16E-02	<1.29E-02
S- 303 a		<1.68E-02	<1.14E-02	<1.26E-02
S- 304 a		<1.69E-02	<1.14E-02	<1.27E-02
S- 305 a		<1.55E-02	<1.05E-02	<1.16E-02
S- 306 a		<1.58E-02	<1.07E-02	<1.18E-02
S- 307 a		<1.57E-02	<1.06E-02	<1.18E-02
S- 308 a		<1.59E-02	<1.08E-02	<1.20E-02
S- 309 a		<1.55E-02	<1.05E-02	<1.16E-02
S- 310 a		<1.49E-02	<1.00E-02	<1.11E-02
S- 311 a		<1.53E-02	<1.03E-02	<1.15E-02
S- 312 a		<1.54E-02	<1.04E-02	<1.16E-02
S- 313 a		<1.54E-02	<1.04E-02	<1.16E-02
S- 314 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 401 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 402 a		<1.68E-02	<1.14E-02	<1.26E-02
S- 403 a		<1.68E-02	<1.13E-02	<1.26E-02
S- 404 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 405 a		<1.62E-02	<1.10E-02	<1.22E-02
S- 406 a		<1.63E-02	<1.10E-02	<1.22E-02
S- 407 a		<1.64E-02	<1.11E-02	<1.23E-02
S- 408 a		<1.65E-02	<1.12E-02	<1.24E-02
S- 409 a		<1.65E-02	<1.12E-02	<1.24E-02
S- 410 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 501 a		<1.69E-02	<1.14E-02	<1.27E-02
S- 502 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 503 a		<1.68E-02	<1.13E-02	<1.26E-02
S- 504 a		<1.68E-02	<1.14E-02	<1.26E-02
S- 505 a		<1.65E-02	<1.12E-02	<1.24E-02
S- 506 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 507 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 508 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 509 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 510 a		<1.67E-02	<1.13E-02	<1.25E-02
S- 601 a		<1.71E-02	<1.15E-02	<1.28E-02
S- 602 a		<1.70E-02	<1.15E-02	<1.28E-02
S- 603 a		<1.70E-02	<1.15E-02	<1.28E-02
S- 604 a		<1.70E-02	<1.15E-02	<1.28E-02
S- 605 a		<1.63E-02	<1.10E-02	<1.22E-02
S- 606 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 607 a		<1.61E-02	<1.09E-02	<1.21E-02
S- 608 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 609 a		<1.66E-02	<1.12E-02	<1.24E-02
S- 610 a		<1.67E-02	<1.13E-02	<1.25E-02

Temp.		273.15	0.0821
oF	oC	oK	RT
84	28.9	302.0	24.8
82	27.8	300.9	24.7
77	25.0	298.2	24.5
64	17.8	290.9	23.9
91	32.8	305.9	25.1
95	35.0	308.2	25.3
101	38.3	311.5	25.6
104	40.0	313.2	25.7
108	42.2	315.4	25.9
94	34.4	307.6	25.2
113	45.0	318.2	26.1
101	38.3	311.5	25.6
101	38.3	311.5	25.6
75	23.9	297.0	24.4
69	20.6	293.7	24.1
70	21.1	294.3	24.1
66	18.9	292.0	24.0
63	17.2	290.4	23.8
81	27.2	300.4	24.6
86	30.0	303.2	24.9
91	32.8	305.9	25.1
75	23.9	297.0	24.4
90	32.2	305.4	25.1
92	33.3	306.5	25.1
91	32.8	305.9	25.1
95	35.0	308.2	25.3
95	35.0	308.2	25.3
75	23.9	297.0	24.4
70	21.1	294.3	24.1
60	15.6	288.7	23.7
71	21.7	294.8	24.2
70	21.1	294.3	24.1
116	46.7	319.8	26.2
107	41.7	314.8	25.8
109	42.8	315.9	25.9
101	38.3	311.5	25.6
117	47.2	320.4	26.3
142	61.1	334.3	27.4
125	51.7	324.8	26.7
120	48.9	322.0	26.4
120	48.9	322.0	26.4
75	23.9	297.0	24.4
75	23.9	297.0	24.4
71	21.7	294.8	24.2
74	23.3	296.5	24.3
77	25.0	298.2	24.5
92	33.3	306.5	25.1
88	31.1	304.3	25.0
84	28.9	302.0	24.8
81	27.2	300.4	24.6
81	27.2	300.4	24.6
75	23.9	297.0	24.4
70	21.1	294.3	24.1
75	23.9	297.0	24.4
73	22.8	295.9	24.3
71	21.7	294.8	24.2
82	27.8	300.9	24.7
80	26.7	299.8	24.6
80	26.7	299.8	24.6
79	26.1	299.3	24.6
79	26.1	299.3	24.6
75	23.9	297.0	24.4
64	17.8	290.9	23.9
65	18.3	291.5	23.9
66	18.9	292.0	24.0
65	18.3	291.5	23.9
90	32.2	305.4	25.1
79	26.1	299.3	24.6
95	35.0	308.2	25.3
80	26.7	299.8	24.6
80	26.7	299.8	24.6
75	23.9	297.0	24.4

Table 5
Chiquita Canyon J
ORS Compounds

Sample Number		Bromothiophene	Thiophenol	Diethyl Disulfide	
	CAS	1003-09-4	108-98-5	110-81-6	
	MW	163.04	110.18	122.252	
Flux (mg/m2-min					Flow (m3/m)
S- 101 a		<1.48E-03	<9.97E-04	<1.11E-03	0.012
S- 102 a		<9.28E-04	<6.27E-04	<6.96E-04	0.007
S- 103 a		<1.26E-03	<8.51E-04	<9.45E-04	0.010
S- 104 a		<8.11E-04	<5.48E-04	<6.08E-04	0.006
S- 105 a		<7.01E-04	<4.74E-04	<5.26E-04	0.006
S- 106 a		<7.72E-04	<5.22E-04	<5.79E-04	0.006
S- 107 a		<1.02E-03	<6.89E-04	<7.64E-04	0.008
S- 108 a		<2.45E-03	<1.65E-03	<1.84E-03	0.020
S- 109 a		<7.63E-04	<5.15E-04	<5.72E-04	0.006
S- 110 a		<6.88E-04	<4.65E-04	<5.16E-04	0.006
S- 111 a		<4.61E-03	<3.12E-03	<3.46E-03	0.038
S- 112 a		<8.81E-04	<5.95E-04	<6.61E-04	0.007
S- 113 a		<7.72E-04	<5.22E-04	<5.79E-04	0.006
S- 114 a		<6.99E-04	<4.73E-04	<5.24E-04	0.005
S- 201 a		<7.91E-04	<5.35E-04	<5.93E-04	0.006
S- 202 a		<8.68E-04	<5.87E-04	<6.51E-04	0.007
S- 203 a		<6.66E-04	<4.50E-04	<4.99E-04	0.005
S- 204 a		<9.12E-04	<6.16E-04	<6.84E-04	0.007
S- 205 a		<7.15E-04	<4.83E-04	<5.36E-04	0.006
S- 206 a		<1.10E-03	<7.45E-04	<8.27E-04	0.009
S- 207 a		<7.19E-04	<4.86E-04	<5.39E-04	0.006
S- 208 a		<7.29E-04	<4.93E-04	<5.47E-04	0.006
S- 209 a		<6.91E-04	<4.67E-04	<5.18E-04	0.006
S- 210 a		<7.68E-04	<5.19E-04	<5.76E-04	0.006
S- 211 a		<7.19E-04	<4.86E-04	<5.39E-04	0.006
S- 212 a		<6.63E-04	<4.48E-04	<4.97E-04	0.005
S- 213 a		<7.45E-04	<5.03E-04	<5.58E-04	0.006
S- 214 a		<7.66E-04	<5.18E-04	<5.74E-04	0.006
S- 301 a		<1.21E-03	<8.21E-04	<9.11E-04	0.009
S- 302 a		<6.72E-04	<4.54E-04	<5.04E-04	0.005
S- 303 a		<7.26E-04	<4.91E-04	<5.44E-04	0.006
S- 304 a		<8.31E-04	<5.62E-04	<6.23E-04	0.006
S- 305 a		<1.27E-03	<8.61E-04	<9.55E-04	0.011
S- 306 a		<2.71E-03	<1.83E-03	<2.04E-03	0.022
S- 307 a		<9.68E-04	<6.54E-04	<7.26E-04	0.008
S- 308 a		<1.01E-03	<6.86E-04	<7.61E-04	0.008
S- 309 a		<6.84E-04	<4.62E-04	<5.13E-04	0.006
S- 310 a		<8.49E-04	<5.74E-04	<6.37E-04	0.007
S- 311 a		<9.86E-04	<6.66E-04	<7.39E-04	0.008
S- 312 a		<7.65E-04	<5.17E-04	<5.73E-04	0.006
S- 313 a		<6.08E-04	<4.11E-04	<4.56E-04	0.005
S- 314 a		<6.85E-04	<4.63E-04	<5.14E-04	0.005
S- 401 a		<1.11E-03	<7.53E-04	<8.35E-04	0.009
S- 402 a		<9.56E-04	<6.46E-04	<7.17E-04	0.007
S- 403 a		<6.85E-04	<4.63E-04	<5.14E-04	0.005
S- 404 a		<1.42E-03	<9.59E-04	<1.06E-03	0.011
S- 405 a		<7.23E-04	<4.89E-04	<5.42E-04	0.006
S- 406 a		<9.04E-04	<6.11E-04	<6.78E-04	0.007
S- 407 a		<6.63E-04	<4.48E-04	<4.97E-04	0.005
S- 408 a		<7.74E-04	<5.23E-04	<5.80E-04	0.006
S- 409 a		<7.55E-04	<5.10E-04	<5.66E-04	0.006
S- 410 a		<6.54E-04	<4.42E-04	<4.90E-04	0.005
S- 501 a		<7.37E-04	<4.98E-04	<5.53E-04	0.006
S- 502 a		<7.82E-04	<5.29E-04	<5.87E-04	0.006
S- 503 a		<7.27E-04	<4.91E-04	<5.45E-04	0.006
S- 504 a		<8.14E-04	<5.50E-04	<6.10E-04	0.006
S- 505 a		<8.00E-04	<5.41E-04	<6.00E-04	0.006
S- 506 a		<7.51E-04	<5.08E-04	<5.63E-04	0.006
S- 507 a		<8.39E-04	<5.67E-04	<6.29E-04	0.007
S- 508 a		<9.99E-04	<6.75E-04	<7.49E-04	0.008
S- 509 a		<7.10E-04	<4.80E-04	<5.32E-04	0.006
S- 510 a		<7.27E-04	<4.91E-04	<5.45E-04	0.006
S- 601 a		<8.58E-04	<5.80E-04	<6.43E-04	0.007
S- 602 a		<8.00E-04	<5.41E-04	<6.00E-04	0.006
S- 603 a		<9.98E-04	<6.74E-04	<7.48E-04	0.008
S- 604 a		<7.31E-04	<4.94E-04	<5.48E-04	0.006
S- 605 a		<1.48E-03	<1.00E-03	<1.11E-03	0.012
S- 606 a		<7.84E-04	<5.30E-04	<5.88E-04	0.006
S- 607 a		<1.36E-03	<9.20E-04	<1.02E-03	0.011
S- 608 a		<1.71E-03	<1.15E-03	<1.28E-03	0.013
S- 609 a		<1.57E-03	<1.06E-03	<1.18E-03	0.012
S- 610 a		<7.31E-04	<4.94E-04	<5.48E-04	0.006

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 7/15/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #87 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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+DFA CC ERG 0101566 SUPPLIER LINDE PSIG START 2000 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
0751	5	0								Mt	0837-0841
↓	5	1								TIO1	# 735
↓	5	2						1631	6.000	S101a	0836
0809	5	3	87	84	77	70				S101b	0836
	5	4						1392	0.000		
0821	5	5					3.9/4.5				

COMMENTS:

NF / F

FID Outside: 4 / 16

H_2S Outside: 1631 : 0.001

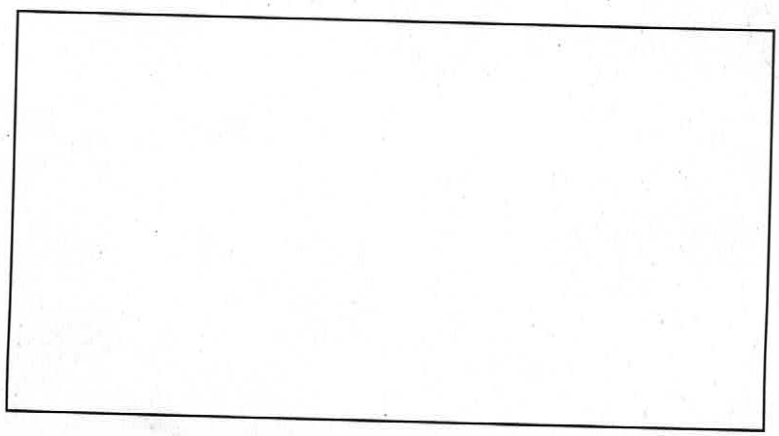
1392 : 0.005

Coordinates

11 S 348,805

3,811,262

SITE DIAGRAM



23

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #87 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC EG 0101566 SUPPLIER LINDE PSIG START 2000 PSIG STOP

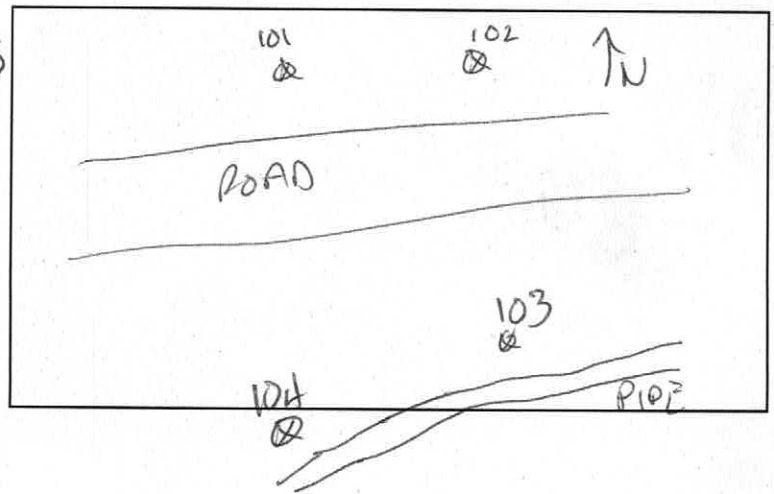
Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0751	5	0									
↓	5	1								T102	# 650
↓	5	2						1631	~~0.001~~	S102a	0831
0809	5	3							0.002	S102b	0836
	5	4					NF, F	1392	0.000		OT
0821	5	5	91	87	95	75	-1.8/-1.6				0836
											0842

COMMENTS:

NF F
FID Outside: 44 / 39
H_2S Outside: 1631: 0.001 1392: 0.005

Coordinates
11 S 348,814
3,811,260

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRL JDA RCW

LOCATION Chiquita Canyon Landfill CELL #87 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DPA CC 115366 SUPPLIER LINDE PSIG START 1600 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	H_2S ppmv	Sample Number	Comments
0732	5	0								Δt	0816-0820
↓	5	1								T103	#823
↓	5	2								S103a	0818
0750	5	3								S103b	~~0853~~ 0818
	5	4					NF / F	1631	0,000		
0802	5	5	74	77	76	64	42 / 45	1392	0,005		

COMMENTS:

NF/F
FID Outside: 28 / 13
H_2S Outside: 1631: 0.002 1392: 0.011

Coordinates
11 S 348,822
3,811,223

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL #87 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☐ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP DFA CC 115366 SUPPLIER LINDE PSIG START 1600 PSIG STOP

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0732	5	0								Δt	0805-0812
↓	5	1								T104	# 881
↓	5	2								S104a	0803
0750	5	3	74	64	74	61	4409/3600	0.000	1631	S104b	0803
	5	4						0.004	1392		
0802	5	5									

COMMENTS:

NF / F
FID Outside: 200 / 300
H_2S Outside: 0.043 1631
0.029 1392

Coordinates
11 S 343,813
3,811,200

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 75 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 115366 SUPPLIER LINDE PSIG START 115366 1500 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
1920 1916	5	0								At	5'
1926 1922	5	1								TIOb	#756
1932 1928	5	2					NF F	1631:	0.038	S105a	1002
1938 1934	5	3	91	91	91	74	-3 / -3			S105b	1005
1944 1940	5	4									
1950 1946	5	5						1392:	0.001	105	

COMMENTS:

NF F
FID Outside: / -2.2

H_2S Outside: 1631: 0.004
1392: 0.010

Coordinates
11 S 348,761
3,811,792

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES JRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 75 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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 PFA CC 115366 SUPPLIER LNDE PSIG START 1500 PSIG STOP _____

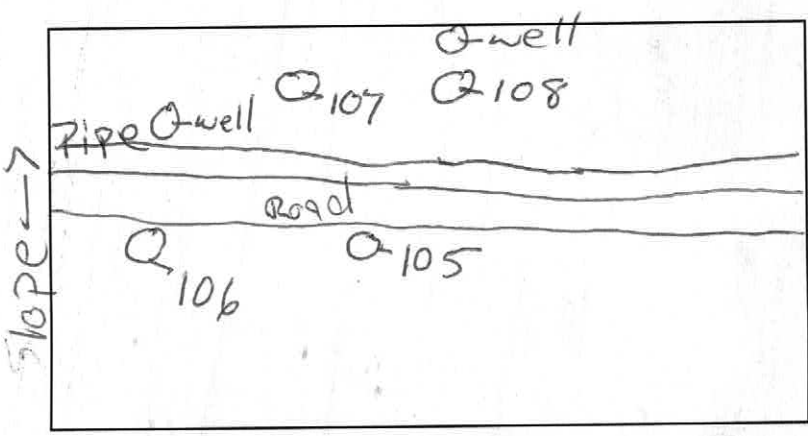
Time	208 PRB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0918	5	0								Δt 4 MIN	
0924	5	1						1631:	0.000	T106	# 634
0930	5	2					NF / F			S106a	0948
0936	5	3	96	95	94	71	-1.8/-2			S106b	0950
0942	5	4						1392:	0.002		
0948	5	5							1 T-106		0957
											0955

COMMENTS:

NF / F
FID Outside:
H_2S Outside: 1631: 0.002
1392: 0.008

Coordinates
11 S 348,782
3,811,793

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES, TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 75 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL 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+DPA CC EQ 0101566 SUPPLIER LINDE PSIG START 1800 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
0919	5	0								Δt	1006-1005
↑	5	1						1631:	0.000	T107	# 802
↓	5	2					NF F			S107a	1005
0937	5	3	113	101	94	84	-23/-0.5			S107b	1005
	5	4						1392	0.003		
0949	5	5									

COMMENTS:

NF F
FID Outside: 6.3 / -1.2
H_2S Outside: 1631 : 0.002
1392: 0.004

Coordinates
11 S 348,763
3,811,765

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 75 LA4

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+HDFA CC EB0107566 SUPPLIER LINDE PSIG START 1800 PSIG STOP

Time	Sweep Air (L/min) 208 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
0919	5	0								At	0955
↓	5	1						1631:	0.000	T108	# 553
↓	5	2					NF / F			S108a	0954
0937	5	3	106	104	92	80	42 / 52			S108b	
	5	4						1392:	0.005		
0949	5	5									

COMMENTS:

NF / F

FID Outside: 11 / 11

H_2S Outside: 1631: 0.003

1392: 0.012

Coordinates

11 S 348,748

3,811,765

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 76 L#1

SURFACE DESCRIPTION MEMBRANE (BLACK)

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR VAP+DFA CC 115366 SUPPLIER LNDE PSIG START 1300 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					
1018	5	0									
|	5	1								T109	# 605
↓	5	2					NF F	1631:	0.013	Δt	1105 – 1109
1036	5	3	138	108	100	81	6.1/~~10.4~~ 3.3			S109a	1104
	5	4								S109b	1104
1038	5	5					3.3/6.1	1392:	0.004		

COMMENTS:

NF F
FID Outside: 5 / 6.5
H_2S Outside: 1631: 0.007
1392: 0.011

0 ± 1-3 psi + pressure inside

Coordinates
11 S 348,720
3,811,799

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 76 L#1

SURFACE DESCRIPTION MEMBRANE (WHITE)

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 115366 SUPPLIER LINDE PSIG START 1300 PSIG STOP _____

Time	Sweep Air (L/min) 208 PDD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1018	5	0									
↓	5	1								T110	# 738
↓	5	2					NF, F	1631	0.010		1055-1101
1036	5	3	108	94	93	82	-4 / -3			S110a	1054
	5	4					3,3			S110b	1054
1048	5	5						1392	0.005		

COMMENTS:

NF, F
FID Outside: -4 / -3
H_2S Outside: 1631 0.005
1392 0.011

Ambient FID 4.4 ppmv

Coordinates
11 S 348,732
3,816,411

SITE DIAGRAM

slope ↑

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL #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. 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 UMP+DFA CC EB 0701566 SUPPLIER LINDE PSIG START 1600 PSIG STOP

Time	Sweep Air (L/min) 208 RD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1021	5	0									
↓	5	1								TM1	#768
↓	5	2					NF F	1631	0.006	At 4	
1039	5	3	145	113	104	85	5.1/4.5			S111a	1105
	5	4						1392	0.010	S111b	1103
1051	5	5									

COMMENTS:

NF F
FID Outside: 4.5/ 4.5
H_2S Outside: 1631 ~~0.0000~~ 0.011
1392 0.010

Coordinates
11 S 34 8 , 703
3,81 1 , 741

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/15/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL #76 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. E4 PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 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 ☐

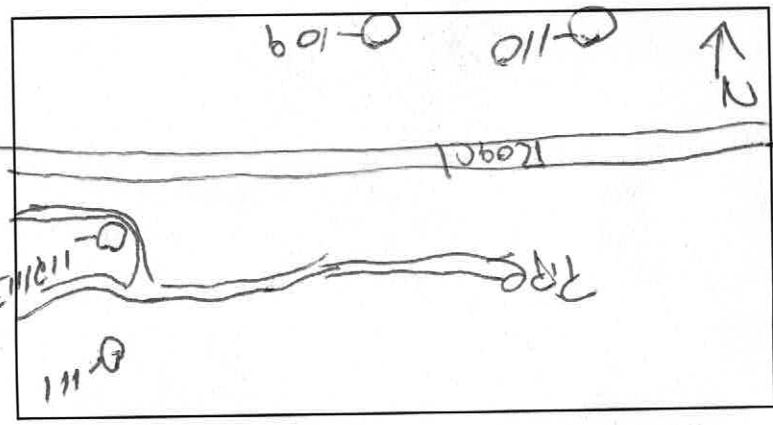
SWEEP AIR UAI+DFA CC EB0101566 SUPPLIER LINDE PSIG START 1600 PSIG STOP

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
1021	5	0								T112	#897
	5	1						1631	0.000	AE3	1116-1119
↓	5	2					NF F			T113	#692
1039	5	3	106	101	100	80	11/4.5			AE4	1120-1124
	5	4						1392	0.000	S1129	1109
1051	5	5								S112b	1111
										S1139	
										S113b	

COMMENTS:

NF F
FID Outside: 4.7 / 4.6
H_2S Outside: 1631: 0.~~009~~.001
1392: 0.009
MEDIA BLANK 1144
#657 T114 (~~S114a, S114b @ 1143~~)
(S114a, S114b @ 1143)
EB0101566 @ 208 PPB 1,1-DFA
Coordinates
11 S 348,698
3,811,751

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 211 L#1

SURFACE DESCRIPTION SOIL (ROAD)

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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+DFA CC CB 0101566 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0746	5	0									
|	5	1						1631	0.000	T201	#846
↓	5	2					NF F			Δt	C
0804	5	3	71	69	75	64	-4.5 / -4			S201a	0822
	5	4						1392	0.000	S201b	0823
0816	5	5									

COMMENTS:

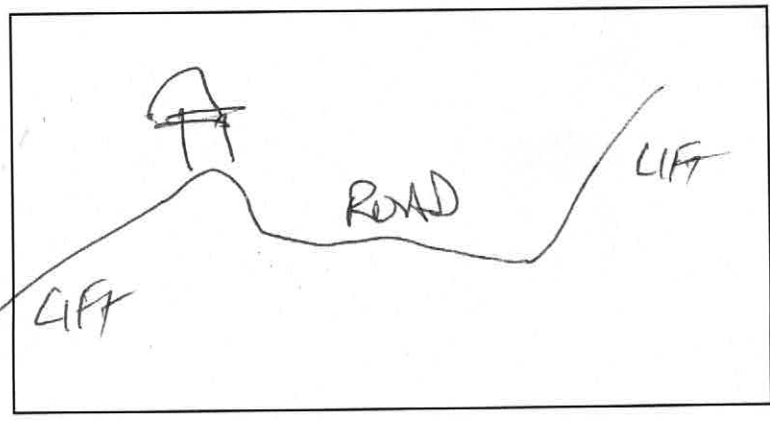
FID Outside: NF 0.2 / F -2

H_2S Outside: 1631:
1392:

BLANK 1128 S-214a,b
1130 T-214 754 ~~330~~ 1130

Coordinates
11 S 348,390
3,811,231

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 211 L#2

SURFACE DESCRIPTION TOE OF LIFT

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAI+OFA CC D101566 SUPPLIER LINDE PSIG START 1200 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					
0746	5	0									
	5	1						1631	0.000	~~1631~~	
	5	2					NF, F			T202	#764
0804	5	3	74	70	71	61	10.3/6.5			Δt4	0828/~~0833~~
	5	4						1392	0.000	~~1392~~	
0816	5	5								S202a	0825
										S202b	0827

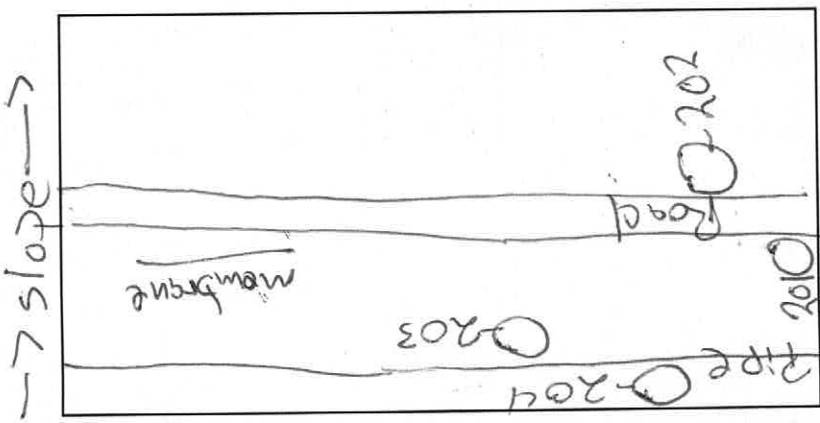
COMMENTS:

NF / F
FID Outside: 11 / 6
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,388
3,811,246



SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 211 L#3

SURFACE DESCRIPTION white membrane

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+DFA cc/15366 SUPPLIER GNOC PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0744	5	0									
|	5	1									
|	5	2					NF F	1631:	0.000	T203	# 698
0802	5	3	61	66	61	64	-5 / -5			Δt	0816-0822
|	5	4								S203a	0816
0814	5	5						1392:	0.002	S203b	0816

COMMENTS:

NF F
FID Outside: -4 / -5
H_2S Outside: 1631: 0.000
1392: 0.004

Coordinates
11 S 340,337
3,811,262

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 2 L#4

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE TVA/J I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE 63X

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 115366 SUPPLIER LINDE PSIG START 1000 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number (208 ppbv)	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0744	5	0									
0750	5	1						1631:	0.003		
0756	5	2					NF F			T204	# 531
0802	5	3	65	63	64	61	-4.5/-4.6			At	0821 - 0825
0808	5	4						1392:	0.001	S204a	0821
0814	5	5								S204b	0821
										204	

COMMENTS:

NF F
FID Outside: -2.8/-3.6
H_2S Outside: 1631: 0.000
1392: 0.004

Coordinates
11 S 348,335
3,811,253

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 204 L#1

SURFACE DESCRIPTION WASTE 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+DFA CC 115366 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) (208 PPB)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0851	5	0									
↓	5	1						1631:	0.003	T205	# 749
↓	5	2					NF F			1t	5
0909	5	3	86	91	81	71	-2.7/-3.6			S205a	0923
	5	4						1392:	0.004	S205b	0922
0921	5	5									

COMMENTS:

NF F
FID Outside: -1.6/ -2
H_2S Outside: 1631: 0.000
1392: 0.001

Coordinates
11 S 34 8,305
3,81 1,336

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 204 L#2

SURFACE DESCRIPTION WHITE MEMBRANE WITH PATCH

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+DFA CC EB 0101566 SUPPLIER LNDC PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0900	5	0									
|	5	1						1631:	0.012	T206	#779
↓	5	2					NR, F			At	0936-0936
0918	5	3	88	86	80	76	/ ~~206~~			S206a	0932
	5	4					-3.4/ -3.1	1392:	0.002	S206b	0932
0930	5	5									

COMMENTS:

NR, F
FID Outside: -1.7/ -2.4
H_2S Outside: 1631: 0.003
1392: 0.006

Coordinates
11 S 348,276
3,811,384

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRL JDA RCW

OCATION Chiquita Canyon Landfill CELL # 204 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-DFA CC 15366 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

208 PRB

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					
0851	5	0									
0857	5	1						1631	0.007	T207	# 672
0903	5	2					NF, F			At 3	0931/0934
0909	5	3	88	91	77	75	-3/-4			S207a	0929
0915	5	4						1392	0.004	S207b	0930
0921	5	5									

COMMENTS:

NF F
FID Outside: -2 / -2
H_2S Outside: 1631: 0.000
1392: 0.006

Coordinates
11 S 348,501
3,811,345

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 204 L # 4

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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+DFA CC EB 010566 SUPPLIER LNDB PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0900	5	0									
↓	5	1						1631:		T208	# 677
↓	5	2					NF F			At	0940-0945
0918	5	3	76	75	73	72	-3.5/-3.8			S208a	0939
	5	4						1392:		S208b	0939
0930	5	5									

COMMENTS:

NF F
FID Outside: -1.9/-2.7
H_2S Outside: 1631: 0.003
1392: 0.007

Coordinates
11 S 348,274
3,811,392

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES TRC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 183 L#1

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC EB 0101566 SUPPLIER LNDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) 208 PPG	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1025	5	0									
↓	5	1						1631:	0.015		
↓	5	2					NF F			T209	#509
1043	5	3	103	90	89	80	-0.7/-2			At 3	1105/1108
	5	4						1392:	0.005	S209a	1103
1055	5	5								S209b	1104

COMMENTS:

NF, F
FID Outside: 0.9 / -1.7
H_2S Outside: 1631: 0.002
1392: 0.010

Coordinates
11 S 34 ~~8,326~~ 8325
3,81 ~~1,676~~ 1677

SITE DIAGRAM

IN WIND FROM ORCHARD FANS

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS CES JDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 183 L#2

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 115366 SUPPLIER LINDE PSIG START 650 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
1020	5	0									
↓	5	1						1631:	0.008		
↓	5	2					NF F			T210	# ~~054~~ 712
1038	5	3	90	92	82	76	1.5/-1			Δt	3
	5	4					0.6	1392:	0.003	S210a	1053
1050	5	5								S210b	1052

COMMENTS:

NF F
FID Outside: 0.5/-0.6
H_2S Outside: 1631: 0.004
1392: 0.008

Coordinates
11 S 348,315
3,811,705

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 183 L#3

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. ~~X~~ E 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 UAP+DPA CC 115366 SUPPLIER LINDE PSIG START 650 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
1020	5	0									
↓	5	1						1631:	0.012		
↓	5	2					NF F		—	T211	#654
1038	5	3	~~95~~	91	81	75	-2 /0.5			At4	1059
	5	4						1392:	0.004	S211a	1057
1050	5	5								S211b	1058

COMMENTS:

NF F
FID Outside: -0.2 / -1.2
H_2S Outside: 1631: 0.006
1392: 0.010

Coordinates
11 S 34 ~~8,326~~ 8316
3,81 ~~1,676~~ 1692

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/16/25 SAMPLERS LES TAC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 183 L#4

SURFACE DESCRIPTION WHITE MEMBRANE SEAM

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC EB 0101566 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1025	5	0								T212	#729
↓	5	1						1631:	0.010	Δt	1100 - 1104
↓	5	2					NF / F			S212a	1059
1043	5	3	104	95	85	77	-2.2 / -0.4			S212b	1059
	5	4						1392:	0.004	T213	#503
1055	5	5								Δt	1106 - 1110
										S213a	1059
										S213b	1059

COMMENTS:

NF / F
FID Outside: -0.5 / -2
H_2S Outside: 1631: 0.009
1392: 0.010

Coordinates
11 S 348,320
3,811,683

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 213 L#1

SURFACE DESCRIPTION soil w/chips

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFAcc 115366 SUPPLIER LNDE PSIG START 400 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					
0734	5	0									
↓	5	1						1631:	0.000		
↓	5	2					NF, F			T301	# 504
0752	5	3	71	70	71	64	-1 / -0.4			Δt	0811 - 0815
	5	4						1392:	0.000	S301a	0810
0804	5	5								S301b	0810

COMMENTS:

NF F
FID Outside: -0.2 / -0.7
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 348,472
3,811,204

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

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

LOCATION Chiquita Canyon Landfill CELL # L#2

SURFACE DESCRIPTION SOIL/CHIPS

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+DFA CC 03101564 SUPPLIER LINDE PSIG START 600 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					
0747	5	0									
0753	5	1						1631	0.000		
0759	5	2					NF / F			T302	#718
0805	5	3	61	60	70	61	114/96			A+4	
0811	5	4						1392	0.000	S3029	0818
0817	5	5								S3025	0820

COMMENTS:

NF F
FID Outside: 61 ~~75~~ 8
H_2S Outside: 1631 0.000
1392 0.005

Coordinates
11 S 348,417
3,811,223

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 213 L#3

SURFACE DESCRIPTION SOIL/CHIPS

CURRENT ACTIVITY

INSTRUMENT TYPE TVA I.D. NO. _____ TYPE JL631X(2) ID NO. _____

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA ~~CC~~ EB10150166 SUPPLIER Linde PSIG START 600 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
0747	5	0									
1	5	1						1631	0.000		
	5	2					NF, F			T303	#800
0805	5	3	72	71	64	64	-1.2/-0.8			1E3	0825/0826
1	5	4						1392	0.000	S303a	0823
0817	5	5								S303b	0824

COMMENTS:

NF, F
FID Outside: -0.1 / 0.5
H_2S Outside: 1631 0.000 0.000
1392 0.006

Coordinates
11 S 348,412
3,811,232

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 213 L#4

SURFACE DESCRIPTION SOIL/GMPS

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP-DFA CC 115366 SUPPLIER LINDE PSIG START 400 PSIG STOP _____

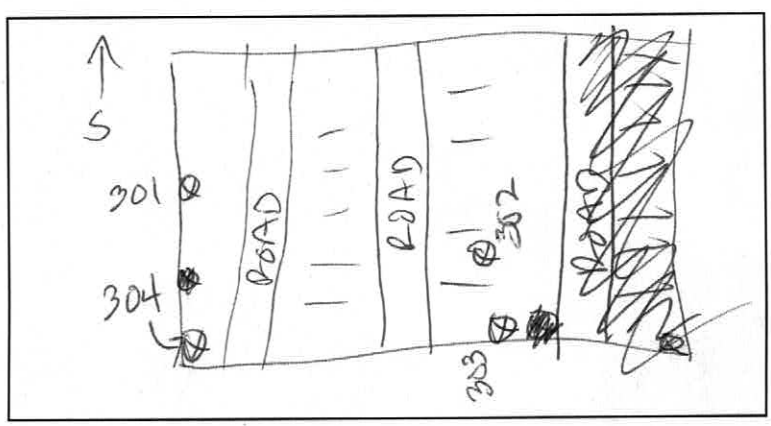
Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0734	5	0									
	5	1									
↓	5	2					NF, F	1631	0.000	T304	# 643
0752	5	3	71	70	71	61	-2.5/1.6			At	0805-0809
	5	4								S304a	0804
0804	5	5						1392	0.000	S304b	0804

COMMENTS:

	NF	F
FID Outside:	0.12	-0.4
H_2S Outside:	1631	0.000
	1392	0.006

Coordinates
11 S 348,469
3,811,219

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TMC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 197 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL 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+DFAcc 718818 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0902	5	0									
"	5	1									
"	5	2					NF F	1631	0.000	T305	# 700
0920	5	3	132	116	95	84	-0.5/0.5			Δt	0942-0946
"	5	4								S305a	0941
0932	5	5						1392	0.001	S305b	0941

COMMENTS:

FID Outside: NF 3.5 / F 5.2
H_2S Outside: 1631 : 0.008
1392 : 0.008

Coordinates
11 S 348,614
3,811,210

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL #197 L#2

SURFACE DESCRIPTION soil w/chips

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 95446 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	208 PRB 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					
0901	5	0									
/	5	1									
/	5	2					NF, F	1631	0.000	T306	#860
0919	5	3	NI	107	105	90	390/350			At 5	0940/0945
/	5	4								S306 9	0938
0931	5	5						1392	0.001	S306 6	0939

COMMENTS:

NF, F
FID Outside: 185/130
H_2S Outside: 1631: 0.002
1392: 0.008

Coordinates
11 S 348,615
3,811,199

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 197 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP ____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC ~~JA2818~~ JA8818 SUPPLIER LINDE PSIG START 2000 PSIG STOP ____

208 RB

Time	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
0902	5	0									
	5	1									
↓	5	2					NF / F	1631	0.000	T307	#760
0920	5	3	118	109	90	79	218 / 180			~~Δt5~~	0936-
	5	4								T307a	0935
0932	5	5						1392	0.002	S307b	0935

COMMENTS:

FID Outside: 5 NF / F 4

H_2S Outside: 1631: 0.006

1392: 0.008

Coordinates

11 S 348,600

3,811,206

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #197 L#4

SURFACE DESCRIPTION SOIL/LHPS

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+BFA CC a5466 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

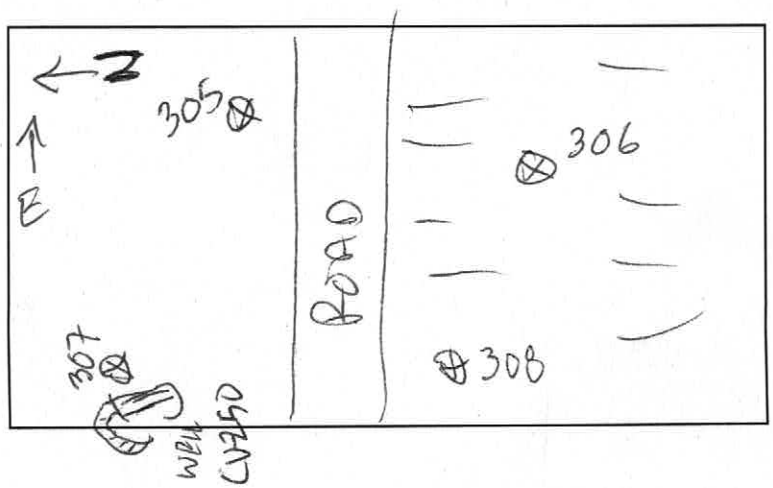
Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0901	5	0									
0907	5	1									
0913	5	2					NF, F	1631	0.000	T308	# 706
0919	5	3	118	101	96	77	11 / 8.6			AL4	
0925	5	4								S308a	0932
0931	5	5						1392	~~0.008~~	S308b	0933
									0.001		

COMMENTS:

NF F
FID Outside: ~~99~~ / ~~84~~
H_2S Outside: 1631 : 0.006
1392 : 0.008

Coordinates
11 S 34 8,603
3,81 1,197

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 95 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 VHP + DFA CC 95446 SUPPLIER LINDE PSIG START 1800 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					
1008	5	0									
	5	1									
	5	2					NF, F	1631	0.000	T309	#502
1026	5	3	128	117	123	87	-1.3/-1.6			ΔE	1052-1056
	5	4								S309a	
1038	5	5						1392	0.002	S309b	

COMMENTS:

NF, F
FID Outside: ~~0.2~~/-1.5
H_2S Outside: 1631 : 0.000
1392 : 0.005

Coordinates
11 S 348,701
3,811,237

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 195 LF2

SURFACE DESCRIPTION Soil/grass

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+DFAcc 712848 SUPPLIER LINDE PSIG START 1900 PSIG STOP _____

Time	20898B 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					
1008	5	0									
↓	5	1									
↓	5	2					NF, F	1631	0.000	T310	#618
1026	5	3	160	142	121	91	-1/-1.6			Δt 5	1054/1059
	5	4								S310a	1052
1038	5	5						1392	0.009	S310b	~~1049~~ 1054

COMMENTS:

NF / F
FID Outside: 3.6 / 0.7
H_2S Outside: 1631 0.010
1392 0.011

Coordinates
11 S 348,711
3,811,233

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 195 L# 3

SURFACE DESCRIPTION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 71284 SUPPLIER LINDE PSIG START 1900 PSIG STOP

Time	208PPB 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					
1008	5	0									
↓	5	1									
↓	5	2					NF, F	1631	0.000	T311	#182
1026	5	3	139	125	106	89	-1.4/-1			Δt4	1046/1050
	5	4								S311a	1046
1038	5	5						1392	0.003	S311b	1045

COMMENTS:

NF, F
FID Outside: 1 / -0.7
H_2S Outside: 1631 0.009
1392 0.010

Coordinates
11 S 348,708
3,811,243

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/17/25 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 195 L#4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP-DEA CC 9546 SUPPLIER LINDE PSIG START 1800 PSIG STOP _____

Time	208 PRB 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					
1008	5	0								T312	# 545
|	5	1								Δt	1043-1047
↓	5	2					NR, F	1631:	0.000	S312a	1042
1026	5	3	121	120	119	81	~~7.5/-2~~			S312b	1042
	5	4					7.5/-2			T313	# 661
1038	5	5						1392:	0.009	Δt	1048-1053
										S313a	1042
										S313b	1042

COMMENTS:

NR F
FID Outside: 0.5 / 0.4
H_2S Outside: 1631 : 0.01
1392 : 0.011

MEA BLK T314 #603 1120 CC9546 200PPM
S-314a,b 1122

Coordinates
11 S 348,686
3,811,217

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 158 Lift 1

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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+DFA CC 95446 SUPPLIER LINDE PSIG START 1500 PSIG STOP _____

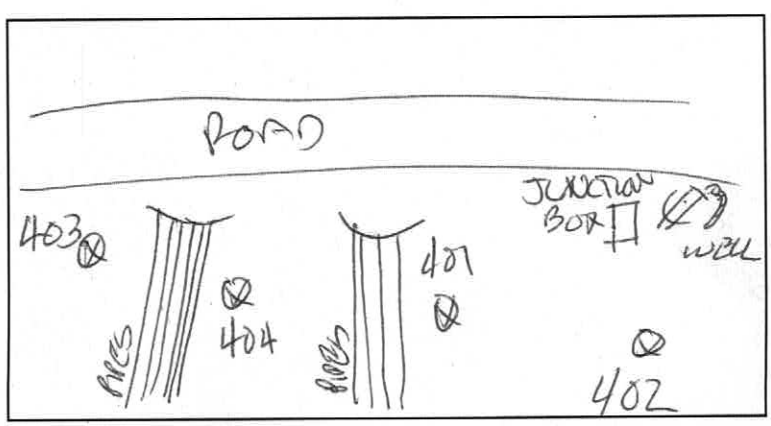
Time	208 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0732	5	0									
	5	1						1631	0.000		
	5	2					NF / F			T401	# 882
0750	5	3	78	75	75	70	-2.8/-3			Δt4	
	5	4						1392	0.001	S401a	0803
0802	5	5								S401b	0804

COMMENTS:

NF / F
FID Outside: -2 / -2.0
H_2S Outside: 1631: 0.000
1392: 0.006

Coordinates
11 S 348,590
3,811,545

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC SDA RCW

LOCATION Chiquita Canyon Landfill CELL # 158 L#2

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP-DFA CC 9546 SUPPLIER LINDE PSIG START 1500 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
0732	5	0									
↓	5	1						1631:	0.000		
↓	5	2					NF, F			T402	#505
0750	5	3	74	71	77	69	-4/-3			Δt4	0811/0815
	5	4						1392:	0.001	S4029	0809
0802	5	5								S4026	0810

COMMENTS:

NF / F
FID Outside: -2 / -1
H_2S Outside: 1631: 0.000
1392: 0.005

Coordinates
11 S 340,580
3,811,539

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 158 L#3

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 218848 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	Sweep Air (L/min) 208 PSB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0752	5	0									
↓	5	1						1631:	0.000		
↓	5	2					NF / F			T403	#647
0758	5	3	76	74	74	68	-3.7/-3.6			Δt	0813-0817
	5	4						1392:	0.000	S403a	0812
0802	5	5								S403b	0812

COMMENTS:

NF / F
FID Outside: -0.5 / -2.8
H_2S Outside: 1631: 0.000
1392: 0.008

Coordinates
11 S 348,605
3,811,557

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 158 L # 4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP AFA CC 218848 SUPPLIER LINDE PSIG START 1600 PSIG STOP _____

Time	208PPB 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					
0732	5	0									
	5	1						1631	0.000		
	5	2					NF / F			T404	# 698
0752	5	3	78	77	71	70	-3 / -3.5			Δt5	0808-
	5	4						1392	0.000	S404a	0807
0802	5	5								S404b	0807

COMMENTS:

NF / F
FID Outside: -13 / -2
H_2S Outside: 1631 : 0.000
1392 : 0.005

Coordinates
11 S 348,596
3,811,551

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC SDA RCW

LOCATION Chiquita Canyon Landfill CELL # 1/4 LA 1

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR ~~VAR+DFA~~ CC 95446 SUPPLIER LINDE PSIG START 400 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					
0833	5	0									
	5	1						1631:	0.001		
↓	5	2					NF / F			Tedlar	# 675
0851	5	3	98	92	87	74	-3.3 / -3			Δt	0915-0919
	5	4						1392:	0.003	Sample a	0914
0903	5	5								Sample b	0914

COMMENTS:

NF / F
FID Outside: 1.6 / 0.8
H_2S Outside: 1631: 0.000
1392: 0.008

Coordinates
11 S 348,719
3,811,525

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #4/9 L#2

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR VHP+DFA CC 218848 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

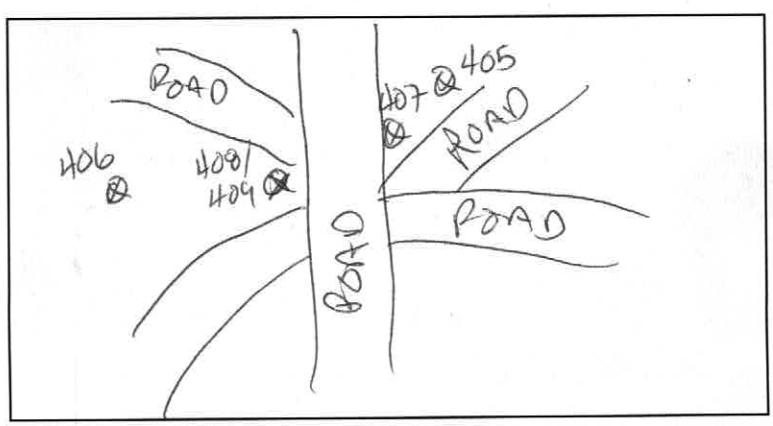
Time	208PDB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0831	5	0									
|	5	1									
|	5	2					NF F	1631	0.000	T406	#5/9
0849	5	3	89	88	86	80	-3.3/-2			Δt3	
|	5	4								S406a	0901
0901	5	5						1392	0.000	S406b	0902

COMMENTS:

15 NF / F
FID Outside: ~~3.7~~ / 8.4
H_2S Outside: 1631
1392

Coordinates
11 S 348,757
3,811,526

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 149 L#3

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP DFA CC 95446 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0833	5	0									
	5	1						1631:	0.000		
V	5	2					NF F			T407	# 778
0851	5	3	96	84	86	74	5.3/3.5			Δt6	0910-0916
	5	4						1392:	0.000	S407a	0909
0903	5	5								S407b	0909

COMMENTS:

NF F
FID Outside: 3 / 3.3
H_2S Outside: 1631 : 0.004
1392: 0.008

Coordinates
11 S 34[illegible], 728
3,81[illegible], 532

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/18/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 1&9 L#4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+He CC 218848 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0831	5	0								T408	#837
↓	5	1						1631:	0.000	Δt 3	0913/0916
↓	5	2					NF / F			S408a	0909
0849	5	3	101	81	84	74	370 / 370			S408b	0908
	5	4						1392:	0.000	T409	#766
0901	5	5								Δt 3	0916/0919
										S409a	0912
—										S409b	0911

COMMENTS:

NF / F
FID Outside: 1 / 8
H_2S Outside: 1631: 0.000
1392: 0.008

BLANK 0940
S-410a,b
T-410 #701 0942 CC218848 208 ppbv 1,1-DFA

Coordinates
11 S 348,743
3,811,532

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #1&1 L#1

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+ DFA CC 95446 SUPPLIER LINDE PSIG START 100 PSIG STOP _____

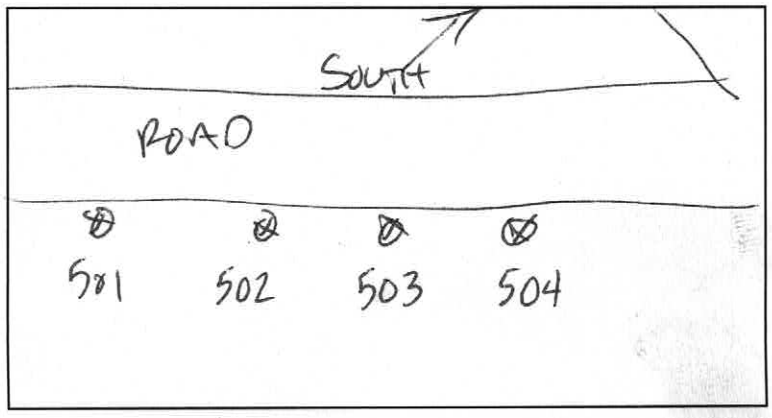
Time	Sweep Air (L/min) 208 PSD	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631:	0.000	T501	# 638
↓	5	2					NF / F			ΔE	1017-1023
1001	5	3	76	70	76	67	-5.1 / -5.3			S501a	1016
	5	4						1392:	0.000	S501b	1016
1013	5	5									

COMMENTS:

FID Outside: -4 NF / -4.7 F
H_2S Outside: 1631: 0.000
1392: 0.008

Coordinates
11 S 348,800
3,810,682

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL# 131 L#2

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 95446 SUPPLIER LINDE PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
943	5	0									
↓	5	1						1631:	0.000	T502	#4/17
↓	5	2					NF, F			At	1022-1027
1001	5	3	82	75	77	71	-5.4/-5.6			S502a	1021
	5	4						1392:	0.000	S502b	1021
1013	5	5									

COMMENTS:

	NF	F
FID Outside:	-4.2	-5.2
H_2S Outside:	1631: 0.000	
	1392: 0.006	

Coordinates
11 S 348,794
3,810,879

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRG JDA DCW

LOCATION Chiquita Canyon Landfill CELL# B1 L#4(3)

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP DEA CC 218848 SUPPLIER LINDE PSIG START 1100 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									
↓	5	1						1631:	0.000	T503	# 792
↓	5	2					NF F			1 to 6	1015/1021
1001	5	3	77	73	77	69	-5.8/-5.6			S502a	1013
	5	4						1392:	0.000	S503b	1014
1013	5	5									

COMMENTS:

NF F
FID Outside: -4.5 / -5.5
H_2S Outside: 1631: 0.000
1392: 0.007

Coordinates
11 S 348,780
3,810,873

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS LES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 1&2 Lf 4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☒ No ☒ Comment

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

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

SWEEP AIR UHP+DFA cc 218848 SUPPLIER LNDC PSIG START 1100 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0943	5	0									
↓	5	1						1631:	0.000	S504	# 552
↓	5	2					NF F			At 4	
1001	5	3	76	71	75	67	-6.5/-6.3			S504a	1023
	5	4						1392:	0.000	S504b	1024
1013	5	5									

COMMENTS:

NF / F
FID Outside: -5 / -5.5
H_2S Outside: 1631 : 0.000
1392 : 0.005

Coordinates
11 S 348,775
3,810,867

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 133 L#1

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 218848 SUPPLIER Linde PSIG START 900 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
1045	5	0									
↓	5	1						1631:	0.000	T505	# 704
↓	5	2					NF F			Δt	1126-1130
1103	5	3	86	82	84	72	~~6.2/6.7~~			S505a	1125
	5	4					-6.7/-6.2	1392:	0.000	S505b	1125
1015	5	5									

COMMENTS:

NF F
FID Outside: -5.4 / -6.2
H_2S Outside: 1631 : 0.000
1392 : 0.007

Coordinates
11 S 348,830
3,810,774

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 133 L#2

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR VAP+He cc 248848 SUPPLIER LINDE PSIG START 900 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					
1045	5	0									
↓	5	1						1631:	0.000	T506	#895
↓	5	2					NF / F			At	1121-1127
1103	5	3	83	80	82	70	-6 / -6.4			S506a	1120
	5	4						1392:	0.000	S506b	1120
1115	5	5									

COMMENTS:

	NF	F
FID Outside:	-4.7	-5.2
H_2S Outside:	1631:	0.000
	1392:	0.008

Coordinates
11 S 348,823
3,810,782

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 133 L#3

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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 VAR-DFA CC 95446 SUPPLIER LINDE PSIG START 900 PSIG STOP _____

Time	Sweep Air (L/min) 208 POR	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1045	5	0									
↓	5	1						1631	0.000	T507	#856
↓	5	2					NF F			Δt4	1124/1128
1103	5	3	83	80	80	71	-5.3/-5.6			S507a	1121
	5	4						1392	0.001	S507b	1123
1115	5	5									

COMMENTS:

NF F
FID Outside: -4.5 / -5.4
H_2S Outside: 1631: 0.000
1392: 0.008

Coordinates
11 S 348,819
3,810,787

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 133 L # 4

SURFACE DESCRIPTION SOIL

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+OFA cc 95446 SUPPLIER LINDE PSIG START 900 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
1045	5	0								T508	# 877
↓	5	1						1631:	0.000	Δt-1	
↓	5	2					NF F			S508a	1115
1103	5	3	82	79	81	73	-5.4'/-5.4			S508b	1117
	5	4						1392:	0.000	T509	# 640
1115	5	5								Δt	
										S509a	1118
										S509b	1119

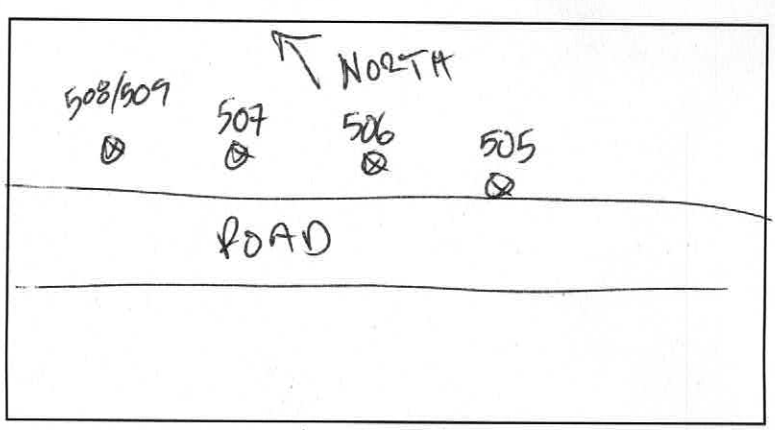
COMMENTS:

NF / F
FID Outside: -4.2 / -4.8
H_2S Outside: 1631: 0.000
1392: 0.007

MEDIA BLK S-510a,b 1145
FSD 1140 CC 210 PPB 208 PPB

Coordinates
11 S 348,814
3,810,795

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 86 L#1

SURFACE DESCRIPTION SOIL/CHIPS/DRIED VEGETATION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UHP+DFA CC 218848 SUPPLIER LINDE PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631:	0.000	T601	# 506
↓	5	2					NF F			At 3	0750/0753
0735	5	3	73	64	70	61	3.3/4			S601a	0748
	5	4						1392:	0.000	S601b	0748
0747	5	5									

COMMENTS:

NF / F
FID Outside: 3.1 / 3.8
H_2S Outside: 1631: 0.000
1392: 0.001

Coordinates
11 S 348,823
3,811,174

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 86 L# 2

SURFACE DESCRIPTION SOIL / CHAR / DRIED VEGETATION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL 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+DFA CC 95446 SUPPLIER LNDC PSIG START 700 PSIG STOP _____

Time	208PPB 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					
0717	5	0									
↓	5	1						1631:	0.000	T602	# 642
↓	5	2					NF F			At	0755-0801
0735	5	3	71	65	70	61	0.13/0.42			S602a	0754
	5	4						1392:	0.000	S602b	0754
0747	5	5									

COMMENTS:

NF F
FID Outside: 2.6 / 0.6
H_2S Outside: 1631: 0.012
1392: 0.001

Coordinates
11 S 348,794
3,811,270

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 86 LA3

SURFACE DESCRIPTION SOIL/CHRS/OPBO VEGETATION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR ~~UAP+DFA~~ CC 95446 SUPPLIER LINDE PSIG START 700 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					
0717	5	0									
↓	5	1						1631:	0.000	T603	# 990
↓	5	2					NF / F			Δt	0749-0756
0735	5	3	71	66	70	61	0.8 / 1.7			S603a	0748
	5	4						1392:	~~0.002~~	S603b	0748
0747	5	5							0.000		

COMMENTS:

NF / F
FID Outside: 4.8 / 3
H_2S Outside: 1631: 0.004
1392: 0.002

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

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TDC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 86 L # 4

SURFACE DESCRIPTION SOIL/CHIPS/DRIED VEGETATION

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

CHAMBER I.D. 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 (2AP+DFA) CC 218848 SUPPLIER LINDE PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min) (208PPB)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0717	5	0									
↓	5	1						1631:	0.000	T604	# 858
↓	5	2					NF F			Δt 4	
0735	5	3	68	65	69	62	1.2/1.6			S604a	0754
	5	4						1392:	0.000	S604b	0754
0747	5	5									

COMMENTS:

NF F
FID Outside: 0 / 5.3
H_2S Outside: 1631: 0.000
1392: 0.002

Coordinates
11 S 34 8,813
3,81 1,273

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 232 L#1

SURFACE DESCRIPTION CH4 PS

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+DFA cc 9544/6 SUPPLIER LINDE PSIG START 500 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					
0821	5	0									
	5	1						1631	0.000	T605	#847
↓	5	2					NF / F			Δt	0903-0918
0839	5	3	93	90	85	69	~~-1.0~~ / ~~-0.0~~			S605a	0902
	5	4					-0.3 / -0.0	1392	0.000	S605b	0902
0851	5	5									

COMMENTS:

NF F
FID Outside: -0.2 / ~~-0.6~~ 0.1
H_2S Outside: 1631; 0.000
1392; 0.005

Coordinates
11 S 348,578
3,811,022

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 232 L#2

SURFACE DESCRIPTION SOIL / CHPS (MOSTLY SOIL)

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

SWEEP AIR UAP+DFA cc 218848 SUPPLIER LINDE PSIG START 500 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					
0821	5	0									
↓	5	1						1631:	0.000	T606	# 803
↓	5	2					NF F			Δt	0906/0910
0839	5	3	88	79	84	73	2.8/2.4			S606a	0904
	5	4						1392:	0.000	S606b	0904
0851	5	5									

COMMENTS:

NF / F
FID Outside: 5.4 / 6.7
H_2S Outside: 1631: 0.000
1392: 0.003

Coordinates
11 S 348,589
3,811,003

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL# 232 2#3

SURFACE DESCRIPTION CHPS

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

CHAMBER SEAL 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+DFAcc GSH46 SUPPLIER LIND PSIG START 500 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					
0821	5	0									
	5	1						1631:	0.000	T607	# 894
	5	2					NF / F			At	0908-0912
0839	5	3	103	95	85	72	250/210			S607a	0905
	5	4						1392:	0.000	S607b	0905
0851	5	5									

COMMENTS:

FID Outside: NF 6 / F ~~58~~ 13

H_2S Outside: 1631: 0.000
1392: 0.007

Coordinates
11 S 348,572
3,811,020

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/25 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 232 L#4

SURFACE DESCRIPTION CHRS

CURRENT ACTIVITY

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

INSTRUMENT BASELINE

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

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

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

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

TEMP _____ RAIN: Yes ☐ No ☒ Comment

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

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

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

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0821	5	0								T608	#730
↓	5	1						1631:	0.000	Δt3	0859/0902
↓	5	2					NF / F			S608a	0858
0839	5	3	84	80	81	70	480/390			S608b	0858
	5	4						1392:	0.000	T609a	#675
0851	5	5								Δt3	0903/0906
										S609a	0855
										S609b	0855

COMMENTS:

FID Outside: 180 (NF) / 190 (F)

H_2S Outside: 1631: 0.000
1392: 0.005

MEDIA BLANK 0929
S610a,b T610 #743 0931 CC 218845 200 PSIG N2 DFA

Coordinates
11 S 34 8,583
3,810,976

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

225210 17807 COPY

TO-15 Day 1

CE Schmidt, PhD, Environmental Consultant

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
01	7/15/2025	837		x	T - 101	935	1		x		x	x	x	x	x	-29	0	697
02	7/15/2025	838		x	T - 102	950	1		x		x	x	x	x	x	-29	0	695
03	7/15/2025	916		x	T - 103	823	1		x		x	x	x	x	x	-29	0	714
04	7/15/2025	805		x	T - 104	881	1		x		x	x	x	x	x	-29	0	701
05	7/15/2025	1005		x	T - 105	756	1		x		x	x	x	x	x	-29	0	687
06	7/15/2025	955		x	T - 106	634	1		x		x	x	x	x	x	-29	0	692
07	7/15/2025	1006		x	T - 107	882	1		x		x	x	x	x	x	-29	0	676
08	7/15/2025	955		x	T - 108	553	1		x		x	x	x	x	x	-29	0	681
09	7/15/2025	1105		x	T - 109	605	1		x		x	x	x	x	x	-29	0	690
10	7/15/2025	1055		x	T - 110	738	1		x		x	x	x	x	x	-29	0	676
11	7/15/2025	1106		x	T - 111	768	1		x		x	x	x	x	x	-29	0	672
12	7/15/2025	1116		x	T - 112	977	1		x		x	x	x	x	x	-29	0	676
13	7/15/2025	1120		x	T - 113	672	1		x		x	x	x	x	x	-29	0	685
14	7/15/2025	1144		x	T - 114	657	1		x		x	x	x	x	x	-29	0	712

Sampler: CE Schmidt	Date/Time: 7/15/25 1153	Relinquished by: CE Schmidt	Date/Time: 7/15/25 1153
Recieved by: Steve Hoyt	Date/Time	Relinquished by	Date/Time
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory:	Date/Time: 7/16/25 1316	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 D1

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

Chain of Custody Record COPY

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
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
Project Manager *Pat Sullivan*	
Requested Completion Date	

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	Sample Container: Can	Sample Container: 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
15	7/16/2025	824		x	T - 201	846	1		x		x	x	x	x	x	-29	0	706
16	7/16/2025	828		x	T - 202	764	1		x		x	x	x	x	x	-29	0	700
17	7/16/2025	836		x	T - 203	690	1		x		x	x	x	x	x	-29	0	716
18	7/16/2025	921		x	T - 204	531	1		x		x	x	x	x	x	-29	0	700
19	7/16/2025	924		x	T - 205	744	1		x		x	x	x	x	x	-29	0	689
20	7/16/2025	932		x	T - 206	779	1		x		x	x	x	x	x	-29	0	699
21	7/16/2025	931		x	T - 207	652	1		x		x	x	x	x	x	-29	0	678
22	7/16/2025	940		x	T - 208	677	1		x		x	x	x	x	x	-29	0	690
23	7/16/2025	1105		x	T - 209	509	1		x		x	x	x	x	x	-29	0	680
24	7/16/2025	1054		x	T - 210	712	1		x		x	x	x	x	x	-29	0	692
25	7/16/2025	1059		x	T - 211	657	1		x		x	x	x	x	x	-25	0	691
26	7/16/2025	1100		x	T - 212	729	1		x		x	x	x	x	x	-29	0	690
27	7/16/2025	1106		x	T - 213	503	1		x		x	x	x	x	x	-29	0	690
28	7/16/2025	1130		x	T - 214	754	1		x		x	x	x	x	x	-29	0	733
MDL																		

Sampler: CESchmidt	Date/Time: 7/16/25 1130	Relinquished by: CE Schmidt	Date/Time: 7/16/25 1130
Recieved by: [illegible]	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/18/25 1715	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D2

000229 of 001148

COPY

TO-15 Day 3

CE Schmidt, PhD, Environmental Consultant
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
29	7/17/2025	811		x	T - 301	504	1		x		x	x	x	x	x	-29	0	703
30	7/17/2025	822		x	T - 302	718	1		x		x	x	x	x	x	-29	0	699
31	7/17/2025	825		x	T - 303	800	1		x		x	x	x	x	x	-29	0	709
32	7/17/2025	835		x	T - 304	643	1		x		x	x	x	x	x	-29	0	718
33	7/17/2025	842		x	T - 305	700	1		x		x	x	x	x	x	-29	0	678
34	7/17/2025	910		x	T - 306	860	1		x		x	x	x	x	x	-29	0	689
35	7/17/2025	936		x	T - 307	760	1		x		x	x	x	x	x	-29	0	680
36	7/17/2025	935		x	T - 308	706	1		x		x	x	x	x	x	-29	0	685
37	7/17/2025	1052		x	T - 309	552	1		x		x	x	x	x	x	-29	0	674
38	7/17/2025	1054		x	T - 310	613	1		x		x	x	x	x	x	-29	0	678
39	7/17/2025	1126		x	T - 311	152	1		x		x	x	x	x	x	-29	0	688
40	7/17/2025	1043		x	T - 312	545	1		x		x	x	x	x	x	-29	0	682
41	7/17/2025	1048		x	T - 313	661	1		x		x	x	x	x	x	-29	0	679
42	7/17/2025	1122		x	T - 314	603	1		x		x	x	x	x	x	-29	0	768

Sampler: CESchmidt	Date/Time: 7/17/25 1130	Relinquished by: CESchmidt	Date/Time: 7/17/25 1130
Recieved by: ERS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

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

000230 of 001148

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

COPY

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
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
Project Manager *Pat Sullivan*	
Requested Completion Date	

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	Sample Container: Can	Sample Container: 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
43	7/18/2025	836		X	T - 401	882	1		X		X	X	X	X	X	-29	0	702
44	7/18/2025	811		X	T - 402	505	1		X		X	X	X	X	X	-29	0	709
45	7/18/2025	823		X	T - 403	647	1		X		X	X	X	X	X	-29	0	707
46	7/18/2025	806		X	T - 404	698	1		X		X	X	X	X	X	-29	0	708
47	7/18/2025	915		X	T - 405	673	1		X		X	X	X	X	X	-29	0	682
48	7/18/2025	907		X	T - 406	579	1		X		X	X	X	X	X	-29	0	695
49	7/18/2025	910		X	T - 407	718	1		X		X	X	X	X	X	-29	0	694
50	7/18/2025	913		X	T - 408	837	1		X		X	X	X	X	X	-29	0	687
51	7/18/2025	916		X	T - 409	726	1		X		X	X	X	X	X	-29	0	694
52	7/18/2025	922		X	T - 410	701	1		X		X	X	X	X	X	-29	0	844

Sampler: CE Schmidt	Date/Time: 7/18/25 1000	Relinquished by: CE Schmidt	Date/Time: 7/18/25 1600
Recieved by: ORS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 07/18/25 1715	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

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

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact: COPY
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
53	7/22/2025	1017		x	T - 501	638	1		x		x	x	x	x	x	-29	0	718
54	7/22/2025	1022		x	T - 502	477	1		x		x	x	x	x	x	-29	0	716
55	7/22/2025	1015		x	T - 503	792	1		x		x	x	x	x	x	-29	0	714
56	7/22/2025	1026		x	T - 504	552	1		x		x	x	x	x	x	-29	0	716
57	7/22/2025	1126		x	T - 505	704	1		x		x	x	x	x	x	-29	0	709
58	7/22/2025	1121		x	T - 506	895	1		x		x	x	x	x	x	-29	0	760
59	7/22/2025	1124		x	T - 507	86	1		x		x	x	x	x	x	-29	0	703
60	7/22/2025	1121		x	T - 508	877	1		x		x	x	x	x	x	-29	0	705
61	7/22/2025	1127		x	T - 509	640	1		x		x	x	x	x	x	-29	0	699
62	7/22/2025	1148		x	T - 510	688	1		x		x	x	x	x	x	-29	0	733

Sampler: CESCHMIDT	Date/Time: 7/22/25 1200	Relinquished by: CESCHMIDT	Date/Time: 7/22/25 1200
Recieved by: CAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

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

CE Schmidt, Ph.., Environmental Consultant

Chain of Custody Record

COPY

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

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
63	7/23/2025	750		x	T - 601	506	1		x		x	x	x	x	x	-29	0	718
64	7/23/2025	755		x	T - 602	642	1		x		x	x	x	x	x	-29	0	718
65	7/23/2025	749		x	T - 603	910	1		x		x	x	x	x	x	-29	0	720
66	7/23/2025	756		x	T - 604	858	1		x		x	x	x	x	x	-29	0	708
67	7/23/2025	903		x	T - 605	847	1		x		x	x	x	x	x	-29	0	707
68	7/23/2025	906		x	T - 606	803	1		x		x	x	x	x	x	-29	0	695
69	7/23/2025	908		x	T - 607	899	1		x		x	x	x	x	x	-29	0	701
70	7/23/2025	850		x	T - 608	730	1		x		x	x	x	x	x	-29	0	713
71	7/23/2025	903		x	T - 609	625	1		x		x	x	x	x	x	-29	0	708
72	7/23/2025	931		x	T - 610	753	1		x		x	x	x	x	x	-29	0	681

Sampler: CE Schmidt	Date/Time: 7/23/25 1100	Relinquished by: CE Schmidt	Date/Time: 7/23/25 1100
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: Steven Sanchez	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

251759

Sulfur D1

Form Serial Number **CES F1-02106**	For Information Regarding These Samples Please Contact: **Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com	Client Address and Phone Number ***3900 Kilroy Airport Way, Suite 100*** ***Long Beach, CA 90806 562-743-7895***
Client Name ***SCS*** ***Chiquita Canyon Landfill***		Laboratory Name ***Atmospheric Analysis and Consulting***
Project Manager ***Pat Sullivan***		Laboratory Address ***2225 Sperry Avenue*** ***Ventura, CA 93003***
Requested Completion Date		Laboratory Phone ***805-650-1642***
		Laboratory Contact ***John Yokoyama*** jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77771 77772	7/15/2025	836		x	S- 101 a/b	2	X			X		
77773 77774	7/15/2025	831		x	S- 102 a/b	2	X			X		
77775 77776	7/15/2025	818		x	S- 103 a/b	2	X			X		
77777 77778	7/15/2025	853		x	S- 104 a/b	2	X			X		
77779 77780	7/15/2025	1003		x	S- 105 a/b	2	X			X		
77781 77782	7/15/2025	950		x	S- 106 a/b	2	X			X		
77783 77784	7/15/2025	1005		x	S- 107 a/b	2	X			X		
77785 77786	7/15/2025	954		x	S- 108 a/b	2	X			X		
77787 77788	7/15/2025	1104		x	S- 109 a/b	2	X			X		
77789 77790	7/15/2025	1054		x	S- 110 a/b	2	X			X		
77791 77792	7/15/2025	1103		x	S- 111 a/b	2	X			X		
77793 77794	7/15/2025	1109		x	S- 112 a/b	2	X			X		
77795 77796	7/15/2025	1115		x	S- 113 a/b	2	X			X		
77797 77798	7/15/2025	1143		x	S- 114 a/b	2	X			X		

Sampler: CE Schmidt	Date/Time: 7/15/25 1154	Relinquished by: CE Schmidt 1154	Date/Time: 7/15/25 1154
Recieved by: STEVE PECHO	Date/Time: 7/15/25 1334	Relinquished by: SP 7/15	Date/Time: 7/15/25 1440
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/15/25 1505	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.
Remarks			

HAZWRAP/NEESA Y N	
QC Level 1 2 3	
COC	Ice
Ana Req	Temp ***AMB***
Cust Seal	pH
Sample Condition	

File: Sulfur Forms.xlsb Form: Sulfur COC D1

251767

CE Schmidt, PhD, Environmental Consultant — **Sulfur D2**

Chain of Custody Record

Form Serial Number **CES F1-02106**	For Information Regarding These Samples Please Contact: **Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com	Client Address and Phone Number ***3900 Kilroy Airport Way, Suite 100*** ***Long Beach, CA 90806 562-743-7895***
Client Name ***SCS*** ***Chiquita Canyon Landfill***		Laboratory Name ***Atmospheric Analysis and Consulting***
Project Manager ***Pat Sullivan***		Laboratory Address ***2225 Sperry Avenue*** ***Ventura, CA 93003***
Requested Completion Date		Laboratory Phone ***805-650-1642***
		Laboratory Contact ***John Yokoyama*** jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
	7/16/2025	0923		x	S- 201 a/b 77839 77840	2	X			X		
	7/16/2025	0927		x	S- 202 a/b 77841 77842	2	X			X		
	7/16/2025	0916		x	S- 203 a/b 77843 ~~7745~~ 77844	2	X			X		
	7/16/2025	0921		x	S- 204 a/b 77845 77846	2	X			X		
	7/16/2025	0922		x	S- 205 a/b 77847 77848	2	X			X		
	7/16/2025	0932		x	S- 206 a/b 77849 77850	2	X			X		
	7/16/2025	0929		x	S- 207 a/b 77851 77852	2	X			X		
	7/16/2025	0939		x	S- 208 a/b 77853 77854	2	X			X		
	7/16/2025	1104		x	S- 209 a/b 77855 77856	2	X			X		
	7/16/2025	1053		x	S- 210 a/b 77857 77858	2	X			X		
	7/16/2025	1058		x	S- 211 a/b 77859 77860	2	X			X		
	7/16/2025	1059		x	S- 212 a/b 77861 77862	2	X			X		
	7/16/2025	1059		x	S- 213 a/b 77863 77864	2	X			X		
	7/16/2025	1128		x	S- 214 a/b 77865 77866	2	X			X		

Sampler: CE SCHMIDT	Date/Time: 7/16/25 1130	Relinquished by: CE SCHMIDT	Date/Time: 7/16/25 1130	HAZWRAP/NEESA Y N	
Recieved by: STEVE BERARD	Date/Time: 7/16/25 1240	Relinquished by	Date/Time	QC Level 1 2 3	
Recieved by	Date/Time	Relinquished by	Date/Time	COC	Ice
Recieved by Laboratory	Date/Time: 7/16/25 1237	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.	Ana Req	Temp ***AMB***
				Cust Seal	pH
				Sample Condition	
Remarks					

File: Sulfur Forms.xlsb Form: Sulfur COC D2

251777

CE Schmidt, PhD, Environmental Consultant — **Sulfur Da**

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, SCHMIDTCE@aol.com	Laboratory Name: ***Atmospheric Analysis and Consulting***
Project Manager: ***Pat Sullivan***		Laboratory Address: ***2225 Sperry Avenue, Ventura, CA 93003***
Requested Completion Date		Laboratory Phone: ***805-650-1642***
		Laboratory Contact: ***John Yokoyama***, jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number (FD 7/17/25)	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77899	7/17/2025	810		x	S- 301 a/b 77899 77900	2	X			X		
77901	7/17/2025	816		x	S- 302 a/b 77891 77892	2	X			X		
77903	7/17/2025	823		x	S- 303 a/b 77893 77894	2	X			X		
77905	7/17/2025	804		x	S- 304 a/b 77895 77896	2	X			X		
77907	7/17/2025	941		x	S- 305 a/b 77897 77898	2	X			X		
77909	7/17/2025	939		x	S- 306 a/b 77899 77900	2	X			X		
77911	7/17/2025	935		x	S- 307 a/b 77901 77902	2	X			X		
77913	7/17/2025	953		x	S- 308 a/b 77903 77904	2	X			X		
77915	7/17/2025	1052		x	S- 309 a/b 77905 77906	2	X			X		
77917	7/17/2025	1052		x	S- 310 a/b 77907 77908	2	X			X		
77919	7/17/2025	1046		x	S- 311 a/b 77909 77910	2	X			X		
77921	7/17/2025	1042		x	S- 312 a/b 77911 77912	2	X			X		
77923	7/17/2025	1042		x	S- 313 a/b 77913 77914	2	X			X		
77925	7/17/2025	1122		x	S- 314 a/b 77915 77916	2	X			X		

Sampler: CESCHMIDT	Date/Time: 7/17/25 1130	Relinquished by: CESCHMIDT	Date/Time: 7/17/25 1130
Recieved by: APC / STEVE PEIKER	Date/Time: 7/17/25 1343	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/17/25 1244	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.
Remarks			

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ice; Ana Req; Temp ***AMB***; Cust Seal; pH; Sample Condition

File: Sulfur Forms.xlsb Form: Sulfur COC D3

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

251796

Sulfur D4

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS		Client Address and Phone Number	Laboratory Name
CES F1-02106	**Dr. Charles E. Schmidt**			***3900 Kilroy Airport Way, Suite 100***	***Atmospheric Analysis and Consulting***
Client Name	19200 Live Oak Road, Red Bluff, CA 96080			***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	530-529-4256 Cell: 530-200-2473			Analysis Requested	***2225 Sperry Avenue***
Chiquita Canyon Landfill	SCHMIDTCE@aol.com				***Ventura, CA 93003***
Project Manager					Laboratory Phone
Pat Sullivan					***805-650-1642***
Requested Completion Date					Laboratory Contact
					John Yokoyama
					jqyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77979 77980	7/18/2025	804		x	S- 401 a/b	2	X			X		
77981 77982	7/18/2025	810		x	S- 402 a/b	2	X			X		
77983 77984	7/18/2025	812		x	S- 403 a/b	2	X			X		
77985 77986	7/18/2025	857		x	S- 404 a/b	2	X			X		
QA	7/18/2025	~~857~~		x	S- 405 a/b 77987 77988	2	X			X		
77989 77990	7/18/2025	901		x	S- 406 a/b	2	X			X		
77991 77992	7/18/2025	909		x	S- 407 a/b	2	X			X		
77993 77994	7/18/2025	908		x	S- 408 a/b	2	X			X		
77995 77996	7/18/2025	911		x	S- 409 a/b	2	X			X		
77997 77998	7/18/2025	940		x	S- 410 a/b	2	X			X		

Sampler	Date/Time 7/18/25 1000	Relinquished by	Date/Time 7/18/25 1000	HAZWRAP/NEESA Y N	
Recieved by	Date/Time	Relinquished by	Date/Time	QC Level 1 2 3	
				COC	Ice
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req	Temp ***AMB***
				Cust Seal	pH
Recieved by Laboratory	Date/Time 7/18/25 1054	Sample Shipped Via UPS FEDEX BUS Hand Other	Air Bill No.	Sample Condition	
Remarks					

File: Sulfur Forms.xlsb Form: Sulfur COC D4

CE Schmidt, PhD, Environmental Consultant 251831 **Sulfur D5**

Chain of Custody Record

| | | |

CE Schmidt, PhD, Environmental Consultant 251839 **Sulfur Dc**

Chain of Custody Record

| | | |

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

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

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

Project Number: 17807
Sample Event Date: 7/15,7/16,7/17,7/
Received Date: 7/18/2025
Report Date: 8/11/2025

Project Number: TO-15
PO Number:

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

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

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

Laboratory Work Order

SDG Number: 225210
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/18/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

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

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

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T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

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

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

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

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

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T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

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T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

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

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T-507	225210 59	ASTM D3416 Low Level Methane	7/22/2025
T-507	225210 59	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-508	225210 60	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-508	225210 60	ASTM D1945 Hydrogen	7/22/2025
T-508	225210 60	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-508	225210 60	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	ASTM D1945 Hydrogen	7/22/2025
T-509	225210 61	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-509	225210 61	ASTM D3416 Low Level Methane	7/22/2025
T-509	225210 61	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-509	225210 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-510	225210 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-510	225210 62	ASTM D3416 Low Level Methane	7/22/2025
T-510	225210 62	ASTM D1945 Hydrogen	7/22/2025
T-510	225210 62	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-601	225210 63	ASTM D1945 Hydrogen	7/23/2025
T-601	225210 63	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-601	225210 63	ASTM D3416 Low Level Methane	7/23/2025
T-601	225210 63	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-601	225210 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	ASTM D1945 Hydrogen	7/23/2025
T-602	225210 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2025
T-602	225210 64	EPA TO-12 C2 to C12 CRYO	7/23/2025
T-602	225210 64	ASTM D3416 Low Level Methane	7/23/2025
T-602	225210 64	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D1945 Hydrogen	7/23/2025
T-603	225210 65	ASTM D1945 Permanent Gas Analysis	7/23/2025
T-603	225210 65	ASTM D3416 Low Level Methane	7/23/2025

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

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

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is 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
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

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

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

Laboratory Case Narrative

EAS SDG Number: 225210 **Project Number:** 17807

Client: C.E. Schmidt

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

Sample Control Narrative

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

Analytical Methods

The methods used for sample analysis are listed on the 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: 8/11/2025

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

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225210 17807 COPY

TO-15 Day 1

CE Schmidt, PhD, Environmental Consultant

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
01	7/15/2025	837		x	T - 101	935	1		x		x	x	x	x	x	-29	0	697
02	7/15/2025	838		x	T - 102	950	1		x		x	x	x	x	x	-29	0	695
03	7/15/2025	916		x	T - 103	823	1		x		x	x	x	x	x	-29	0	714
04	7/15/2025	805		x	T - 104	881	1		x		x	x	x	x	x	-29	0	701
05	7/15/2025	1005		x	T - 105	756	1		x		x	x	x	x	x	-29	0	687
06	7/15/2025	955		x	T - 106	634	1		x		x	x	x	x	x	-29	0	692
07	7/15/2025	1006		x	T - 107	882	1		x		x	x	x	x	x	-29	0	676
08	7/15/2025	955		x	T - 108	553	1		x		x	x	x	x	x	-29	0	681
09	7/15/2025	1105		x	T - 109	605	1		x		x	x	x	x	x	-29	0	690
10	7/15/2025	1055		x	T - 110	738	1		x		x	x	x	x	x	-29	0	676
11	7/15/2025	1106		x	T - 111	768	1		x		x	x	x	x	x	-29	0	672
12	7/15/2025	1116		x	T - 112	977	1		x		x	x	x	x	x	-29	0	676
13	7/15/2025	1120		x	T - 113	672	1		x		x	x	x	x	x	-29	0	685
14	7/15/2025	1144		x	T - 114	657	1		x		x	x	x	x	x	-29	0	712

Sampler: CE Schmidt	Date/Time: 7/15/25 1153	Relinquished by: CE Schmidt	Date/Time: 7/15/25 1153
Recieved by: Steve Hoyt	Date/Time	Relinquished by	Date/Time
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory:	Date/Time: 7/16/25 1316	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

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File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D1

000260 of 001148

CE Schmidt, Phd., Environmental Consultant

Chain of Custody Record

COPY

TO-15 Day 2

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
15	7/16/2025	824		x	T - 201	846	1		x		x	x	x	x	x	-29	0	706
16	7/16/2025	828		x	T - 202	764	1		x		x	x	x	x	x	-29	0	700
17	7/16/2025	836		x	T - 203	690	1		x		x	x	x	x	x	-29	0	716
18	7/16/2025	841		x	T - 204	531	1		x		x	x	x	x	x	-29	0	700
19	7/16/2025	924		x	T - 205	749	1		x		x	x	x	x	x	-29	0	689
20	7/16/2025	932		x	T - 206	779	1		x		x	x	x	x	x	-29	0	699
21	7/16/2025	931		x	T - 207	652	1		x		x	x	x	x	x	-29	0	678
22	7/16/2025	940		x	T - 208	677	1		x		x	x	x	x	x	-29	0	690
23	7/16/2025	1105		x	T - 209	509	1		x		x	x	x	x	x	-29	0	680
24	7/16/2025	1054		x	T - 210	712	1		x		x	x	x	x	x	-29	0	692
25	7/16/2025	1059		x	T - 211	657	1		x		x	x	x	x	x	-25	0	691
26	7/16/2025	1100		x	T - 212	729	1		x		x	x	x	x	x	-29	0	690
27	7/16/2025	1106		x	T - 213	503	1		x		x	x	x	x	x	-29	0	690
28	7/16/2025	1130		x	T - 214	754	1		x		x	x	x	x	x	-29	0	733
MEOH																		

Sampler: CKSchmidt	Date/Time: 7/16/25 1130	Relinquished by: CE Schmidt	Date/Time: 7/16/25 1130
Recieved by: [illegible]	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 07/18/25 1715	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

000261 of 001148

COPY

TO-15 Day 3

CE Schmidt, Ph.D., Environmental Consultant
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
29	7/17/2025	811		x	T - 301	504	1		x		x	x	x	x	x	-29	0	703
30	7/17/2025	822		x	T - 302	718	1		x		x	x	x	x	x	-29	0	699
31	7/17/2025	825		x	T - 303	800	1		x		x	x	x	x	x	-29	0	709
32	7/17/2025	835		x	T - 304	643	1		x		x	x	x	x	x	-29	0	718
33	7/17/2025	842		x	T - 305	700	1		x		x	x	x	x	x	-29	0	678
34	7/17/2025	910		x	T - 306	860	1		x		x	x	x	x	x	-29	0	689
35	7/17/2025	936		x	T - 307	760	1		x		x	x	x	x	x	-29	0	680
36	7/17/2025	935		x	T - 308	706	1		x		x	x	x	x	x	-29	0	685
37	7/17/2025	1052		x	T - 309	552	1		x		x	x	x	x	x	-29	0	674
38	7/17/2025	1054		x	T - 310	613	1		x		x	x	x	x	x	-29	0	678
39	7/17/2025	1106		x	T - 311	152	1		x		x	x	x	x	x	-29	0	688
40	7/17/2025	1043		x	T - 312	545	1		x		x	x	x	x	x	-29	0	682
41	7/17/2025	1058		x	T - 313	661	1		x		x	x	x	x	x	-29	0	679
42	7/17/2025	1122		x	T - 314	603	1		x		x	x	x	x	x	-29	0	768

Sampler: CESchmidt	Date/Time: 7/17/25 1130	Relinquished by: CESchmidt	Date/Time: 7/17/25 1130
Recieved by: CES	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: E	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

TO-15 Day 4

COPY

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

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	Sample Container: Can	Sample Container: 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
43	7/18/2025	836		X	T - 401	882	1		X		X	X	X	X	X	-29	0	702
44	7/18/2025	841		X	T - 402	505	1		X		X	X	X	X	X	-29	0	709
45	7/18/2025	843		X	T - 403	647	1		X		X	X	X	X	X	-29	0	707
46	7/18/2025	806		X	T - 404	698	1		X		X	X	X	X	X	-29	0	708
47	7/18/2025	915		X	T - 405	673	1		X		X	X	X	X	X	-29	0	682
48	7/18/2025	907		X	T - 406	579	1		X		X	X	X	X	X	-29	0	695
49	7/18/2025	910		X	T - 407	718	1		X		X	X	X	X	X	-29	0	694
50	7/18/2025	913		X	T - 408	837	1		X		X	X	X	X	X	-29	0	687
51	7/18/2025	916		X	T - 409	726	1		X		X	X	X	X	X	-29	0	694
52	7/18/2025	922		X	T - 410	701	1		X		X	X	X	X	X	-29	0	844

Sampler: CE Schmidt	Date/Time: 7/18/25 1000	Relinquished by: CE Schmidt	Date/Time: 7/18/25 1600
Recieved by: DAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 07/18/25 1715	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

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

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

COPY

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact: **Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com
Client Name: *SCS* *Chiquita Canyon Landfill*	Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Project Manager: *Pat Sullivan*	Laboratory Name: *EAS*
Requested Completion Date	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
53	7/22/2025	1017		x	T - 501	638 477	1		x		x	x	x	x	x	-29	0	718
54	7/22/2025	1022		x	T - 502	792 552	1		x		x	x	x	x	x	-29	0	716
55	7/22/2025	1015		x	T - 503	704 895	1		x		x	x	x	x	x	-29	0	714
56	7/22/2025	1026		x	T - 504	856 877	1		x		x	x	x	x	x	-29	0	716
57	7/22/2025	1126		x	T - 505	640 688	1		x		x	x	x	x	x	-29	0	709
58	7/22/2025	1121		x	T - 506		1		x		x	x	x	x	x	-29	0	760
59	7/22/2025	1124		x	T - 507		1		x		x	x	x	x	x	-29	0	703
60	7/22/2025	1121		x	T - 508		1		x		x	x	x	x	x	-29	0	705
61	7/22/2025	1127		x	T - 509		1		x		x	x	x	x	x	-29	0	699
62	7/22/2025	1148		x	T - 510		1		x		x	x	x	x	x	-29	0	733

Sampler: CESCHMIDT	Date/Time: 7/22/25 1200	Relinquished by: CESCHMIDT	Date/Time: 7/22/25 1200
Recieved by: CAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

TO- _ Day 6

CE Schmidt, Ph.., Environmental Consultant

Chain of Custody Record

COPY

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

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name	Laboratory Address	Laboratory Phone	Laboratory Contact
EAS	*173 Cross Street, San Luis Obispo, CA 93401*	*805-781-3585*	*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
63	7/23/2025	750		x	T - 601	506	1		x		x	x	x	x	x	-29	0	718
64	7/23/2025	755		x	T - 602	642	1		x		x	x	x	x	x	-29	0	718
65	7/23/2025	749		x	T - 603	910	1		x		x	x	x	x	x	-29	0	720
66	7/23/2025	756		x	T - 604	858	1		x		x	x	x	x	x	-29	0	708
67	7/23/2025	903		x	T - 605	847	1		x		x	x	x	x	x	-29	0	707
68	7/23/2025	906		x	T - 606	803	1		x		x	x	x	x	x	-29	0	695
69	7/23/2025	908		x	T - 607	899	1		x		x	x	x	x	x	-29	0	701
70	7/23/2025	850		x	T - 608	730	1		x		x	x	x	x	x	-29	0	713
71	7/23/2025	903		x	T - 609	625	1		x		x	x	x	x	x	-29	0	708
72	7/23/2025	931		x	T - 610	753	1		x		x	x	x	x	x	-29	0	681

Sampler: C Schmidt	Date/Time: 7/23/25 1100	Relinquished by: C Schmidt	Date/Time: 7/23/25 1100
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: Steven Sanchez	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

Quality Control Report

EAS SDG Number: 225210

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: B07225

File Name: B07225B.D
Description: METHOD BLANK
Canister:
QC_Batch: 072225-MA1

Date Sampled:
Date Analyzed: 7/22/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 14:16

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: B07225

File Name: B07225B.D
Description: METHOD BLANK
Canister:
QC_Batch: 072225-MA1

Date Sampled: **Time:**
Date Analyzed: 7/22/2025 **Time:** 14:16
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07235

File Name: B07235C.D
Description: METHOD BLANK
Canister:
QC_Batch: 072325-MA1

Date Sampled: **Time:**
Date Analyzed: 7/23/2025 **Time:** 12:59
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07235

File Name: B07235C.D
Description: METHOD BLANK
Canister:
QC_Batch: 072325-MA1

Date Sampled: **Time:**
Date Analyzed: 7/23/2025 **Time:** 12:59
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07245

File Name: B07245C.D
Description: METHOD BLANK
Canister:
QC_Batch: 072425-MA1

Date Sampled: **Time:**
Date Analyzed: 7/24/2025 **Time:** 13:05
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07245

File Name: B07245C.D
Description: METHOD BLANK
Canister:
QC_Batch: 072425-MA1

Date Sampled:
Date Analyzed: 7/24/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 13:05

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07255

File Name: B07255D.D
Description: METHOD BLANK
Canister:
QC_Batch: 072525-MA1

Date Sampled: **Time:**
Date Analyzed: 7/25/2025 **Time:** 14:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07255

File Name: B07255D.D
Description: METHOD BLANK
Canister:
QC_Batch: 072525-MA1

Date Sampled:
Date Analyzed: 7/25/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 14:19

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	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07305

File Name: B07305D.D
Description: METHOD BLANK
Canister:
QC_Batch: 073025-MA1

Date Sampled: **Time:**
Date Analyzed: 7/30/2025 **Time:** 14:32
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	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: B07305

File Name: B07305D.D
Description: METHOD BLANK
Canister:
QC_Batch: 073025-MA1

Date Sampled:
Date Analyzed: 7/30/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 14:32

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07315

File Name: B07315C.D
Description: METHOD BLANK
Canister:
QC_Batch: 073125-MA1

Date Sampled: **Time:**
Date Analyzed: 7/31/2025 **Time:** 12:30
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B07315

File Name: B07315C.D
Description: METHOD BLANK
Canister:
QC_Batch: 073125-MA1

Date Sampled:
Date Analyzed: 7/31/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 12:30

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08015

File Name: B08015D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080125-MA1

Date Sampled:
Date Analyzed: 8/1/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 12:50

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	97	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08015

File Name: B08015D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080125-MA1

Date Sampled:
Date Analyzed: 8/1/2025
Can Dilution Factor: 1.00
Air Volume: 300 ml

Time:
Time: 12:50

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

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08045

File Name: B08045D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080425-MA1

Date Sampled:
Date Analyzed: 8/4/2025 **Time:** 13:06
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
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	100	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08045

File Name: B08045D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080425-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2025 **Time:** 13:06
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 072125-MA1
Date: 7/21/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 072325-MA1
Date: 7/23/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 072425-MA1
Date: 7/24/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 072525-MA1
Date: 7/25/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 073025-MA1
Date: 7/30/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 073125-MA1
Date: 7/31/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 080125-MA1
Date: 8/1/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

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

QC_Batch: 080425-MA1
Date: 8/4/2025

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

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

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

NELAC CERTIFICATION

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

DETECTION LIMITS

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

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

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 01**

File Name:	2521001A.D	**Date Sampled:**	7/15/2025	**Time:**	08:37
Description:	T-101	**Date Analyzed:**	7/22/2025	**Time:**	17:24
Canister:	735	**Can Dilution Factor:**	1.00		
QC_Batch:	072225-MA1	**Air Volume:**	300 ml		

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

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 01

File Name: 2521001A.D
Description: T-101
Canister: 735
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:37
Date Analyzed: 7/22/2025 **Time:** 17:24
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	89.18	2.25	2.71	241.24	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 01

File Name: 2521001A.D
Description: T-101
Canister: 735
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:37
Date Analyzed: 7/22/2025 **Time:** 17:24
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 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 02

File Name: 2521002A.D
Description: T-102
Canister: 650
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:38
Date Analyzed: 7/22/2025 **Time:** 18:03
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID: 02**

File Name: 2521002A.D
Description: T-102
Canister: 650
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:38
Date Analyzed: 7/22/2025 **Time:** 18:03
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 02

File Name: 2521002A.D
Description T-102
Canister: 650
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:38
Date Analyzed: 7/22/2025 **Time:** 18:03
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: 225210

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

File Name: 2521003A.D **Date Sampled:** 7/15/2025 **Time:** 08:16
Description: T-103 **Date Analyzed:** 7/22/2025 **Time:** 18:40
Canister: 823 **Can Dilution Factor:** 1.00
QC_Batch: 072225-MA1 **Air Volume:** 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

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

File Name: 2521003A.D
Description: T-103
Canister: 823
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:16
Date Analyzed: 7/22/2025 **Time:** 18:40
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 03

File Name: 2521003A.D
Description T-103
Canister: 823
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:16
Date Analyzed: 7/22/2025 **Time:** 18:40
Can Dilution Factor: 1.00
Air Volume: 300.00 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 S
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approxi
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521004A.D **Date Sampled:** 7/15/2025 **Time:** 08:05
Description: T-104 **Date Analyzed:** 7/22/2025 **Time:** 19:16
Canister: 881 **Can Dilution Factor:** 1.00
QC_Batch: 072225-MA1 **Air Volume:** 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

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

File Name: 2521004A.D **Date Sampled:** 7/15/2025 **Time:** 08:05
Description: T-104 **Date Analyzed:** 7/22/2025 **Time:** 19:16
Canister: 881 **Can Dilution Factor:** 1.00
QC_Batch: 072225-MA1 **Air Volume:** 300 ml

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

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 04

File Name: 2521004A.D
Description T-104
Canister: 881
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 08:05
Date Analyzed: 7/22/2025 **Time:** 19:16
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-Chloro-4-(trifluoromethyl)benzene	2.33	5.00	30.60	9.56	20.48	125.32
alpha-Pinene	2.33	5.00	52.03	9.56	20.48	213.10
3-Carene	2.33	5.00	10.93	9.56	20.48	44.78
D-Limonene	2.33	5.00	14.33	9.56	20.48	58.70

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 05

File Name: 2521005A.D
Description: T-105
Canister: 756
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 10:05
Date Analyzed: 7/22/2025 **Time:** 19:52
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.02	2.18	2.62	2.65	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.16	3.97	4.76	7.51	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521005A.D
Description: T-105
Canister: 756
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 10:05
Date Analyzed: 7/22/2025 **Time:** 19:52
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	185.22	2.25	2.71	501.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210
Analytical Method: TO-15 **Laboratory ID:** 05

File Name: 2521005A.D **Date Sampled:** 7/15/2025 **Time:** 10:05
Description T-105 **Date Analyzed:** 7/22/2025 **Time:** 19:52
Canister: 756 **Can Dilution Factor:** 1.00
QC_Batch: 072225-MA1 **Air Volume:** 300.00 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 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: 225210

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

File Name:	2521006A.D	**Date Sampled:**	7/15/2025	**Time:**	09:55
Description:	T-106	**Date Analyzed:**	7/22/2025	**Time:**	20:29
Canister:	634	**Can Dilution Factor:**	1.00		
QC_Batch:	072225-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.30	2.18	2.62	3.01	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.57	3.97	4.76	8.50	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 06

File Name: 2521006A.D
Description: T-106
Canister: 634
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 09:55
Date Analyzed: 7/22/2025 **Time:** 20:29
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	167.01	2.25	2.71	451.76	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 06

File Name: 2521006A.D
Description T-106
Canister: 634
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 09:55
Date Analyzed: 7/22/2025 **Time:** 20:29
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 07

File Name: 2521007A.D
Description: T-107
Canister: 802
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 10:06
Date Analyzed: 7/22/2025 **Time:** 20:58
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.36	2.18	2.62	24.06	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521007A.D
Description: T-107
Canister: 802
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 10:06
Date Analyzed: 7/22/2025 **Time:** 20:58
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	125.16	2.25	2.71	338.57	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210
Analytical Method: TO-15 **Laboratory ID:** 07

File Name: 2521007A.D **Date Sampled:** 7/15/2025 **Time:** 10:06
Description T-107 **Date Analyzed:** 7/22/2025 **Time:** 20:58
Canister: 802 **Can Dilution Factor:** 1.00
QC_Batch: 072225-MA1 **Air Volume:** 300.00 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 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: 225210

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

File Name: 2521008A.D
Description: T-108
Canister: 553
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 09:55
Date Analyzed: 7/23/2025 **Time:** 13:37
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	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.60	2.18	2.62	11.28	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	11.90	3.15	20.20	22.47	
107-02-8	Acrolein	0.33	1.00	1.19	0.77	2.30	2.73	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.51	3.97	4.76	15.50	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.84	0.98	2.95	2.48	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits 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: 225210

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

File Name:	2521008A.D	**Date Sampled:**	7/15/2025	**Time:**	09:55
Description	T-108	**Date Analyzed:**	7/23/2025	**Time:**	13:37
Canister:	553	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	51.84	2.25	2.71	140.24	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210
Analytical Method: TO-15 **Laboratory ID:** 08

File Name: 2521008A.D **Date Sampled:** 7/15/2025 **Time:** 09:55
Description: T-108 **Date Analyzed:** 7/23/2025 **Time:** 13:37
Canister: 553 **Can Dilution Factor:** 1.00
QC_Batch: 072325-MA1 **Air Volume:** 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521009A.D	**Date Sampled:**	7/15/2025	**Time:**	11:05
Description:	T-109	**Date Analyzed:**	7/23/2025	**Time:**	14:19
Canister:	605	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300 ml		

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521009A.D
Description: T-109
Canister: 605
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 11:05
Date Analyzed: 7/23/2025 **Time:** 14:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.23	2.25	2.71	446.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 09

File Name: 2521009A.D
Description: T-109
Canister: 605
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 11:05
Date Analyzed: 7/23/2025 **Time:** 14:19
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521010A.D	**Date Sampled:**	7/15/2025	**Time:**	10:55
Description:	T-110	**Date Analyzed:**	7/23/2025	**Time:**	14:58
Canister:	738	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300 ml		

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

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 10

File Name: 2521010A.D
Description: T-110
Canister: 738
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 10:55
Date Analyzed: 7/23/2025 **Time:** 14:58
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	187.83	2.25	2.71	508.09	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 10

File Name: 2521010A.D
Description: T-110
Canister: 738
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 10:55
Date Analyzed: 7/23/2025 **Time:** 14:58
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 11**

File Name: 2521011A.D
Description: T-111
Canister: 768
QC_Batch: 072525-MA1

Date Sampled: 7/15/2025 **Time:** 11:06
Date Analyzed: 7/25/2025 **Time:** 14:59
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.73	2.18	2.62	6.21	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.85	3.97	4.76	4.41	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 11

File Name: 2521011A.D
Description: T-111
Canister: 768
QC_Batch: 072525-MA1

Date Sampled: 7/15/2025 **Time:** 11:06
Date Analyzed: 7/25/2025 **Time:** 14:59
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	27.09	2.25	2.71	73.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210
Analytical Method: TO-15
Laboratory ID: 11

File Name:	2521011A.D	**Date Sampled:**	7/15/2025	**Time:**	11:06
Description:	T-111	**Date Analyzed:**	7/25/2025	**Time:**	14:59
Canister:	768	**Can Dilution Factor:**	1.00		
QC_Batch:	072525-MA1	**Air Volume:**	300.00 ml		

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521012A.D	**Date Sampled:**	7/15/2025	**Time:**	11:16
Description:	T-112	**Date Analyzed:**	7/23/2025	**Time:**	16:43
Canister:	897	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	4.79	0.57	1.44	8.25	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.60	2.18	2.62	3.40	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	4.61	3.97	4.76	10.98	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.63	0.98	2.95	1.86	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

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

File Name: 2521012A.D
Description: T-112
Canister: 897
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 11:16
Date Analyzed: 7/23/2025 **Time:** 16:43
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
75-37-6	1,1-Difluoroethane	0.83	1.00	144.82	2.25	2.71	391.74	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210
Analytical Method: TO-15
Laboratory ID: 12

File Name:	2521012A.D	**Date Sampled:**	7/15/2025	**Time:**	11:16
Description:	T-112	**Date Analyzed:**	7/23/2025	**Time:**	16:43
Canister:	897	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300.00	ml	

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 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 approximate
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521013A.D	**Date Sampled:**	7/15/2025	**Time:**	11:20
Description:	T-113	**Date Analyzed:**	7/23/2025	**Time:**	17:26
Canister:	692	**Can Dilution Factor:**	1.00		
QC_Batch:	072325-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	5.21	0.57	1.44	8.98	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.77	2.18	2.62	3.64	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.06	3.97	4.76	12.03	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.72	0.98	2.95	2.12	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 13

File Name: 2521013A.D
Description: T-113
Canister: 692
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 11:20
Date Analyzed: 7/23/2025 **Time:** 17:26
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.22	2.25	2.71	446.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 13

File Name: 2521013A.D
Description: T-113
Canister: 692
QC_Batch: 072325-MA1

Date Sampled: 7/15/2025 **Time:** 11:20
Date Analyzed: 7/23/2025 **Time:** 17:26
Can Dilution Factor: 1.00
Air Volume: 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 14

File Name: 2521014A.D
Description: T-114
Canister: 657
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 11:44
Date Analyzed: 7/22/2025 **Time:** 14:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	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	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 14

File Name: 2521014A.D
Description: T-114
Canister: 657
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 11:44
Date Analyzed: 7/22/2025 **Time:** 14:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	191.32	2.25	2.71	517.53	

Tentatively Identified Compounds

ENVIRONMENTAL Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 14

File Name: 2521014A.D
Description T-114
Canister: 657
QC_Batch: 072225-MA1

Date Sampled: 7/15/2025 **Time:** 11:44
Date Analyzed: 7/22/2025 **Time:** 14:55
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 15

File Name: 2521015A.D
Description: T-201
Canister: 846
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:24
Date Analyzed: 7/23/2025 **Time:** 18:00
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	3.17	3.97	4.76	7.55	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 15

File Name: 2521015A.D
Description: T-201
Canister: 846
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:24
Date Analyzed: 7/23/2025 **Time:** 18:00
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	171.05	2.25	2.71	462.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 15

File Name: 2521015A.D
Description T-201
Canister: 846
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:24
Date Analyzed: 7/23/2025 **Time:** 18:00
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 16

File Name: 2521016A.D
Description: T-202
Canister: 764
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:28
Date Analyzed: 7/23/2025 **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
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	5.58	2.18	2.62	7.32	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.40	3.97	4.76	12.85	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.52	0.98	2.95	1.54	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 16

File Name: 2521016A.D
Description: T-202
Canister: 764
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:28
Date Analyzed: 7/23/2025 **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	155.51	2.25	2.71	420.66	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 16

File Name: 2521016A.D
Description: T-202
Canister: 764
QC_Batch: 072325-MA1

Date Sampled: 7/16/2025 **Time:** 08:28
Date Analyzed: 7/23/2025 **Time:** 18:36
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521017A.D
Description: T-203
Canister: 690
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 08:16
Date Analyzed: 7/25/2025 **Time:** 15:39
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	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.86	3.97	4.76	4.42	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.51	3.73	5.33	4.83	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 17

File Name: 2521017A.D
Description: T-203
Canister: 690
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 08:16
Date Analyzed: 7/25/2025 **Time:** 15:39
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	204.38	2.25	2.71	552.85	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 17

File Name: 2521017A.D
Description T-203
Canister: 690
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 08:16
Date Analyzed: 7/25/2025 **Time:** 15:39
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521018A.D	**Date Sampled:**	7/16/2025	**Time:**	08:21
Description:	T-204	**Date Analyzed:**	7/25/2025	**Time:**	16:23
Canister:	531	**Can Dilution Factor:**	1.00		
QC_Batch:	072525-MA1	**Air Volume:**	300 ml		

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	118	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 18

File Name: 2521018A.D
Description: T-204
Canister: 531
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 08:21
Date Analyzed: 7/25/2025 **Time:** 16:23
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	150.12	2.25	2.71	406.10	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 18

File Name: 2521018A.D
Description T-204
Canister: 531
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 08:21
Date Analyzed: 7/25/2025 **Time:** 16:23
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 19

File Name: 2521019A.D
Description: T-205
Canister: 749
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:24
Date Analyzed: 7/25/2025 **Time:** 16:58
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.60	1.45	3.62	2.63	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 19

File Name: 2521019A.D
Description: T-205
Canister: 749
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:24
Date Analyzed: 7/25/2025 **Time:** 16:58
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	184.98	2.25	2.71	500.38	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 19

File Name: 2521019A.D
Description T-205
Canister: 749
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:24
Date Analyzed: 7/25/2025 **Time:** 16:58
Can Dilution Factor: 1.00
Air Volume: 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 20

File Name: 2521020A.D
Description: T-206
Canister: 779
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:32
Date Analyzed: 7/25/2025 **Time:** 17:33
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.23	3.97	4.76	5.30	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	129	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 20

File Name: 2521020A.D
Description: T-206
Canister: 779
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:32
Date Analyzed: 7/25/2025 **Time:** 17:33
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	118.88	2.25	2.71	321.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 20

File Name: 2521020A.D
Description T-206
Canister: 779
QC_Batch: 072525-MA1

Date Sampled: 7/16/2025 **Time:** 09:32
Date Analyzed: 7/25/2025 **Time:** 17:33
Can Dilution Factor: 1.00
Air Volume: 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 21

File Name: 2521021A.D
Description: T-207
Canister: 672
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 15:25
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.03	0.57	1.44	1.77	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.33	3.73	5.33	7.44	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	1.05	2.51	3.14	3.94	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.40	1.45	3.62	1.75	J
1330-20-7	m,p-Xylenes	0.33	0.83	1.20	1.45	3.62	5.21	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	0.45	1.45	3.62	1.95	J
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	2.80	3.66	10.99	15.38	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521021A.D
Description: T-207
Canister: 672
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 15:25
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	180.64	2.25	2.71	488.64	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 21

File Name: 2521021A.D
Description T-207
Canister: 672
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 15:25
Can Dilution Factor: 1.00
Air Volume: 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 22**

File Name:	2521022A.D	**Date Sampled:**	7/16/2025	**Time:**	09:40
Description:	T-208	**Date Analyzed:**	7/24/2025	**Time:**	16:03
Canister:	677	**Can Dilution Factor:**	1.00		
QC_Batch:	072425-MA1	**Air Volume:**	300 ml		

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

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

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 22

File Name: 2521022A.D
Description: T-208
Canister: 677
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 09:40
Date Analyzed: 7/24/2025 **Time:** 16:03
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.43	2.25	2.71	496.19	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 22

File Name: 2521022A.D
Description T-208
Canister: 677
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 09:40
Date Analyzed: 7/24/2025 **Time:** 16:03
Can Dilution Factor: 1.00
Air Volume: 300.00 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 S
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approxin
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 23

File Name: 2521023A.D
Description: T-209
Canister: 509
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:05
Date Analyzed: 7/24/2025 **Time:** 16:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	4.34	3.73	5.33	13.88	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	0.85	2.51	3.14	3.19	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.45	1.45	3.62	1.96	J
1330-20-7	m,p-Xylenes	0.33	0.83	0.96	1.45	3.62	4.20	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	0.42	1.45	3.62	1.85	J
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.73	3.66	10.99	9.50	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 23

File Name: 2521023A.D
Description: T-209
Canister: 509
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:05
Date Analyzed: 7/24/2025 **Time:** 16:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	188.25	2.25	2.71	509.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 23

File Name: 2521023A.D
Description: T-209
Canister: 509
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:05
Date Analyzed: 7/24/2025 **Time:** 16:39
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
D-Limonene	2.33	5.00	8.53	9.56	20.48	34.95

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 24

File Name: 2521024A.D
Description: T-210
Canister: 712
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:54
Date Analyzed: 7/24/2025 **Time:** 17:14
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.63	0.57	1.44	1.08	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 24

File Name: 2521024A.D
Description: T-210
Canister: 712
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:54
Date Analyzed: 7/24/2025 **Time:** 17:14
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	168.76	2.25	2.71	456.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 24

File Name: 2521024A.D
Description T-210
Canister: 712
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:54
Date Analyzed: 7/24/2025 **Time:** 17:14
Can Dilution Factor: 1.00
Air Volume: 300.00 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 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.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521025A.D
Description: T-211
Canister: 654
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:59
Date Analyzed: 7/24/2025 **Time:** 17:50
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.74	0.57	1.44	1.28	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	1.81	3.97	4.76	4.31	J
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.29	3.73	5.33	4.12	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.47	1.45	3.62	2.03	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 25

File Name: 2521025A.D
Description: T-211
Canister: 654
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:59
Date Analyzed: 7/24/2025 **Time:** 17:50
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	180.56	2.25	2.71	488.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 25

File Name: 2521025A.D
Descriptio T-211
Canister: 654
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 10:59
Date Analyzed: 7/24/2025 **Time:** 17:50
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name:	2521026A.D	**Date Sampled:**	7/16/2025	**Time:**	11:00
Description:	T-212	**Date Analyzed:**	7/24/2025	**Time:**	18:26
Canister:	729	**Can Dilution Factor:**	1.00		
QC_Batch:	072425-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.69	0.57	1.44	1.20	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.79	3.73	5.33	8.93	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	0.78	2.51	3.14	2.95	J
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	0.72	1.45	3.62	3.11	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.23	3.66	10.99	6.79	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

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

File Name: 2521026A.D
Description: T-212
Canister: 729
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:00
Date Analyzed: 7/24/2025 **Time:** 18:26
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	194.47	2.25	2.71	526.07	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 26

File Name: 2521026A.D
Descriptio T-212
Canister: 729
QC_Batch 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:00
Date Analyzed: 7/24/2025 **Time:** 18:26
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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 27

File Name: 2521027A.D
Description: T-213
Canister: 503
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:06
Date Analyzed: 7/24/2025 **Time:** 19:01
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	0.57	0.57	1.44	0.99	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.77	3.73	5.33	8.86	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	0.34	1.45	3.62	1.46	J
1330-20-7	m,p-Xylenes	0.33	0.83	0.75	1.45	3.62	3.27	J
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.34	3.66	10.99	7.38	J
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 27

File Name: 2521027A.D
Description T-213
Canister: 503
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:06
Date Analyzed: 7/24/2025 **Time:** 19:01
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	173.19	2.25	2.71	468.50	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 27

File Name: 2521027A.D
Description T-213
Canister: 503
QC_Batch: 072425-MA1

Date Sampled: 7/16/2025 **Time:** 11:06
Date Analyzed: 7/24/2025 **Time:** 19:01
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 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 approxin
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 28

File Name: 2521028A.D
Description: T-214
Canister: 754
QC_Batch: 072225-MA1

Date Sampled: 7/16/2025 **Time:** 11:30
Date Analyzed: 7/22/2025 **Time:** 15:34
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.95	3.15	20.20	3.68	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 28

File Name: 2521028A.D
Description: T-214
Canister: 754
QC_Batch: 072225-MA1

Date Sampled: 7/16/2025 **Time:** 11:30
Date Analyzed: 7/22/2025 **Time:** 15:34
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	174.68	2.25	2.71	472.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

SDG: 225210
Laboratory ID: 28

File Name: 2521028A.D
Descriptio T-214
Canister: 754
QC_Batch 072225-MA1

Date Sampled: 7/16/2025 **Time:** 11:30
Date Analyzed: 7/22/2025 **Time:** 15:34
Can Dilution Factor: 1.00
Air Volume: 300.00 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 Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 29

File Name: 2521029A.D
Description: T-301
Canister: 504
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:11
Date Analyzed: 7/24/2025 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.65	0.57	1.44	1.12	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.99	2.18	2.62	11.78	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.03	3.15	20.20	3.84	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	12.60	3.97	4.76	29.98	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	6.67	0.98	2.95	19.69	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	2.74	1.20	3.01	9.90	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	0.91	0.57	5.66	6.16	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	2.51	3.66	10.99	13.79	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 29

File Name: 2521029A.D
Description: T-301
Canister: 504
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:11
Date Analyzed: 7/24/2025 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	111.21	2.25	2.71	300.83	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 29

File Name: 2521029A.D
Description T-301
Canister: 504
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:11
Date Analyzed: 7/24/2025 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 300.00 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 S
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approxin
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 30

File Name: 2521030A.D
Description: T-302
Canister: 718
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:22
Date Analyzed: 7/24/2025 **Time:** 20:15
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.77	0.57	1.44	3.05	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	8.92	2.18	2.62	11.69	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	5.65	3.97	4.76	13.43	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	2.38	0.57	2.87	8.20	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 30

File Name: 2521030A.D
Description: T-302
Canister: 718
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:22
Date Analyzed: 7/24/2025 **Time:** 20:15
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	204.94	2.25	2.71	554.38	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 30

File Name: 2521030A.D
Description: T-302
Canister: 718
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:22
Date Analyzed: 7/24/2025 **Time:** 20:15
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Methylbutane	2.33	5.00	8.83	9.56	20.48	36.18
Cyclopentane	2.33	5.00	9.80	9.56	20.48	40.14

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 31

File Name: 2521031A.D
Description: T-303
Canister: 800
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:25
Date Analyzed: 7/24/2025 **Time:** 20:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.77	0.57	1.44	1.32	J
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.56	2.18	2.62	24.32	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	2.50	0.77	2.30	5.73	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	7.16	3.97	4.76	17.03	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 31

File Name: 2521031A.D
Description: T-303
Canister: 800
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:25
Date Analyzed: 7/24/2025 **Time:** 20:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	185.70	2.25	2.71	502.32	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 31

File Name: 2521031A.D
Description T-303
Canister: 800
QC_Batch: 072425-MA1

Date Sampled: 7/17/2025 **Time:** 08:25
Date Analyzed: 7/24/2025 **Time:** 20:49
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210
Laboratory ID: 32

File Name: 2521032A.D
Description: T-304
Canister: 643
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 08:05
Date Analyzed: 7/25/2025 **Time:** 18:09
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.88	2.18	2.62	3.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	4.07	3.97	4.76	9.69	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.10	0.98	2.95	3.25	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	2.39	0.50	2.95	7.06	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	118	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 32**

File Name: 2521032A.D
Description: T-304
Canister: 643
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 08:05
Date Analyzed: 7/25/2025 **Time:** 18:09
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	162.49	2.25	2.71	439.54	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 32

File Name: 2521032A.D
Description T-304
Canister: 643
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 08:05
Date Analyzed: 7/25/2025 **Time:** 18:09
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210
Laboratory ID: 33

File Name: 2521033A.D
Description: T-305
Canister: 700
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:42
Date Analyzed: 7/25/2025 **Time:** 18:44
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.88	0.57	1.44	1.52	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	62.13	2.18	2.62	81.42	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.10	3.15	20.20	5.85	J
107-02-8	Acrolein	0.33	1.00	4.17	0.77	2.30	9.57	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	28.15	3.97	4.76	66.99	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	8.74	0.98	2.95	25.81	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	1.07	1.37	10.94	4.38	J
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	5.92	3.66	10.99	32.55	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 33

File Name: 2521033A.D
Description: T-305
Canister: 700
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:42
Date Analyzed: 7/25/2025 **Time:** 18:44
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	97.56	2.25	2.71	263.90	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 33

File Name: 2521033A.D
Description T-305
Canister: 700
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:42
Date Analyzed: 7/25/2025 **Time:** 18:44
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 34

File Name: 2521034A.D
Description: T-306
Canister: 860
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:40
Date Analyzed: 7/25/2025 **Time:** 19:20
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.14	0.57	1.44	1.96	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	29.91	2.18	2.62	39.20	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.88	3.15	20.20	3.56	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	32.09	3.97	4.76	76.35	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.28	3.73	5.33	4.08	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	1.44	1.56	3.90	6.72	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	6.08	1.45	3.62	26.45	
111-84-2	Nonane	0.33	0.83	3.48	1.75	4.38	18.28	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	2.92	1.45	3.62	12.68	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	0.69	3.28	14.77	3.39	J
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.72	8.75	1.75	19.55	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID: 34**

File Name: 2521034A.D
Description: T-306
Canister: 860
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:40
Date Analyzed: 7/25/2025 **Time:** 19:20
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	46.50	2.25	2.71	125.80	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 34

File Name: 2521034A.D
Descriptio T-306
Canister: 860
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:40
Date Analyzed: 7/25/2025 **Time:** 19:20
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 35

File Name: 2521035A.D
Description: T-307
Canister: 760
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:36
Date Analyzed: 7/25/2025 **Time:** 19:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	4.65	0.57	1.44	8.01	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	28.66	2.18	2.62	37.56	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	3.14	0.77	2.30	7.22	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	14.24	3.97	4.76	33.89	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	2.06	0.98	2.95	6.09	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	1.80	1.20	3.01	6.49	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	3.49	0.57	2.87	12.05	
71-43-2	Benzene	1.17	1.67	1.73	3.73	5.33	5.53	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.36	8.75	1.75	17.64	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

	Surrogate Recovery	% 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: 225210
Laboratory ID: 35

File Name: 2521035A.D
Description: T-307
Canister: 760
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:36
Date Analyzed: 7/25/2025 **Time:** 19:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	129.91	2.25	2.71	351.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 35

File Name: 2521035A.D
Description: T-307
Canister: 760
QC_Batch: 072525-MA1

Date Sampled: 7/17/2025 **Time:** 09:36
Date Analyzed: 7/25/2025 **Time:** 19:55
Can Dilution Factor: 1.00
Air Volume: 300.00 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 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 approximate
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 36

File Name: 2521036A.D
Description: T-308
Canister: 706
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 09:35
Date Analyzed: 7/30/2025 **Time:** 17:45
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.05	0.57	1.44	1.81	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	3.62	2.18	2.62	4.74	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	1.91	3.15	20.20	3.60	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID: 36**

File Name: 2521036A.D **Date Sampled:** 7/17/2025 **Time:** 09:35
Description: T-308 **Date Analyzed:** 7/30/2025 **Time:** 17:45
Canister: 706 **Can Dilution Factor:** 1.00
QC_Batch: 073025-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	125.70	2.25	2.71	340.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 36

File Name: 2521036A.D
Description T-308
Canister: 706
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 09:35
Date Analyzed: 7/30/2025 **Time:** 17:45
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210

Analytical Method: TO-15 **Laboratory ID: 37**

File Name:	2521037A.D	**Date Sampled:**	7/17/2025	**Time:**	10:52
Description:	T-309	**Date Analyzed:**	7/30/2025	**Time:**	18:20
Canister:	502	**Can Dilution Factor:**	1.00		
QC_Batch:	073025-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.52	0.57	1.44	2.61	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	4.55	2.18	2.62	5.96	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	7.86	3.97	4.76	18.70	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.00	3.73	5.33	6.38	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	0.69	3.89	11.66	4.04	J
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	121	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 37

File Name: 2521037A.D
Description: T-309
Canister: 502
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:52
Date Analyzed: 7/30/2025 **Time:** 18:20
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	181.28	2.25	2.71	490.36	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 37

File Name: 2521037A.D
Description T-309
Canister: 502
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:52
Date Analyzed: 7/30/2025 **Time:** 18:20
Can Dilution Factor: 1.00
Air Volume: 300.00 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 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: 225210
Laboratory ID: 38

File Name: 2521038A.D
Description: T-310
Canister: 618
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:54
Date Analyzed: 7/30/2025 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.54	0.57	1.44	2.66	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	111.11	2.18	2.62	145.62	
74-87-3	Chloromethane	0.50	0.83	14.57	1.03	1.72	30.14	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	7.78	3.15	20.20	14.69	J
107-02-8	Acrolein	0.33	1.00	7.15	0.77	2.30	16.43	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	30.66	3.97	4.76	72.96	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	2.08	0.98	2.95	6.13	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.19	3.73	5.33	3.82	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 38

File Name: 2521038A.D
Description: T-310
Canister: 618
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:54
Date Analyzed: 7/30/2025 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	140.02	2.25	2.71	378.76	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 38

File Name: 2521038A.D
Description T-310
Canister: 618
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:54
Date Analyzed: 7/30/2025 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 39

File Name: 2521039A.D
Description: T-311
Canister: 182
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:46
Date Analyzed: 7/30/2025 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.50	0.57	1.44	2.59	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	59.20	2.18	2.62	77.59	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.63	3.15	20.20	6.86	J
107-02-8	Acrolein	0.33	1.00	3.72	0.77	2.30	8.56	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	16.07	3.97	4.76	38.24	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.93	0.98	2.95	2.75	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.07	3.73	5.33	6.63	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 39

File Name: 2521039A.D
Description: T-311
Canister: 182
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:46
Date Analyzed: 7/30/2025 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	124.05	2.25	2.71	335.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 39

File Name: 2521039A.D
Description T-311
Canister: 182
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:46
Date Analyzed: 7/30/2025 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210

Analytical Method: TO-15 **Laboratory ID: 40**

File Name: 2521040A.D
Description: T-312
Canister: 545
QC_Batch: 080425-MA1

Date Sampled: 7/17/2025 **Time:** 10:43
Date Analyzed: 8/4/2025 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 50 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	2.00	5.00	8.81	3.45	8.62	15.19	
75-71-8	Dichlorodifluoromethane	3.00	5.00	ND	14.85	24.76	ND	
67-56-1	Methanol	10.00	12.00	134.71	13.11	15.73	176.55	
74-87-3	Chloromethane	3.00	5.00	ND	6.20	10.34	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.00	ND	14.00	35.00	ND	
75-01-4	Vinyl chloride	1.01	5.00	ND	2.58	12.80	ND	
106-99-0	1,3-Butadiene	1.01	5.00	ND	2.23	11.08	ND	
74-83-9	Bromomethane	2.00	5.00	ND	7.77	19.43	ND	
75-00-3	Chloroethane	2.00	5.00	ND	5.28	13.21	ND	
64-17-5	Ethanol	10.00	64.20	607.19	18.88	121.21	1,146.40	
107-02-8	Acrolein	2.00	6.00	21.19	4.60	13.79	48.69	
75-69-4	Trichlorofluoromethane	2.00	5.00	ND	11.25	28.14	ND	
67-64-1	Acetone	10.00	12.00	1,174.28	23.79	28.55	2,794.17	
67-63-0	2-propanol (isopropylalcohol)	4.00	25.00	ND	9.85	61.53	ND	
75-65-0	t-Butyl alcohol	2.00	20.00	ND	6.07	60.70	ND	
4227-95-6	Methyl iodide	2.00	6.00	ND	11.70	35.11	ND	
75-35-4	1,1-Dichloroethene	1.00	5.00	ND	3.97	19.84	ND	
107-13-1	Acrylonitrile	4.00	6.00	ND	8.70	13.05	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	5.00	ND	7.67	38.37	ND	
107-05-1	Allyl chloride	1.00	20.00	ND	3.13	62.66	ND	
75-09-2	Methylene chloride	1.00	5.00	ND	3.48	17.39	ND	
75-15-0	Carbon disulfide	2.00	5.00	ND	6.23	15.58	ND	
156-60-5	trans-1,2-Dichloroethene	1.00	4.00	ND	3.97	15.87	ND	
1634-04-4	Methyl tert butyl ether	2.00	4.00	ND	7.22	14.43	ND	
107-12-0	Propionitrile	5.00	8.00	ND	11.28	18.05	ND	
75-34-3	1,1-Dichloroethane	1.00	5.00	ND	4.04	20.27	ND	
637-92-3	Ethyl tert butyl ether	2.00	5.00	ND	8.37	20.93	ND	
108-05-4	Vinyl acetate	1.00	20.00	ND	3.53	70.52	ND	
78-93-3	2-Butanone (MEK)	2.00	6.00	1,454.57	5.91	17.72	4,295.13	
108-20-3	Diisopropyl ether	2.00	12.00	ND	8.37	50.23	ND	
110-54-3	Hexane	2.00	5.00	ND	7.06	17.65	ND	
126-98-7	Methacrylonitrile	2.00	5.00	ND	5.50	13.74	ND	
141-78-6	Ethyl acetate	2.00	5.00	231.90	7.22	18.04	836.74	
74-97-5	Bromochloromethane	1.00	5.00	ND	5.30	26.50	ND	
96-33-3	Methyl acrylate	2.00	10.00	ND	7.05	35.26	ND	
109-99-9	Tetrahydrofuran	1.01	6.00	192.68	2.97	17.72	568.97	
78-83-1	Isobutyl alcohol	4.00	16.00	ND	12.14	48.56	ND	
156-59-2	cis-1,2-Dichloroethene	1.00	5.00	ND	3.97	19.84	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	1.00	5.00	ND	4.63	23.14	ND	
67-66-3	Chloroform	1.00	5.00	ND	4.91	24.45	ND	
71-55-6	1,1,1-Trichloroethane	1.00	5.00	ND	5.46	27.32	ND	
107-06-2	1,2-Dichloroethane	1.00	5.00	ND	4.05	20.27	ND	
563-58-6	1,1-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
110-82-7	Cyclohexane	1.00	5.00	ND	3.45	17.24	ND	
71-43-2	Benzene	7.00	10.00	8.66	22.39	31.99	27.70	J
56-23-5	Carbon tetrachloride	1.00	5.00	ND	6.30	31.49	ND	
994-05-8	t-Amyl methyl ether	2.00	10.00	ND	8.37	41.86	ND	
540-84-1	2,2,4-Trimethylpentane	1.00	5.00	ND	4.68	23.39	ND	
142-82-5	n-Heptane	2.00	5.00	ND	8.21	20.52	ND	
78-87-5	1,2-Dichloropropane	1.00	5.00	ND	4.63	23.14	ND	
123-91-1	1,4 Dioxane	2.00	10.00	ND	7.22	36.08	ND	
74-95-3	Dibromomethane	1.00	5.00	ND	7.12	35.60	ND	
79-01-6	Trichloroethene (TCE)	0.50	5.00	ND	2.69	26.91	ND	
75-27-4	Bromodichloromethane	1.00	5.00	ND	6.71	33.54	ND	
80-62-6	Methyl methacrylate	2.00	5.00	ND	8.20	20.50	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	2.00	16.00	ND	8.21	65.66	ND	
10061-01-5	cis-1,3-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
108-88-3	Toluene	4.00	5.00	13.25	15.09	18.86	49.98	
10061-02-6	trans-1,3-Dichloropropene	1.00	5.00	ND	4.55	22.73	ND	
79-00-5	1,1,2-Trichloroethane	1.00	5.00	ND	5.46	27.32	ND	
97-63-2	Ethyl methacrylate	2.00	5.00	ND	9.35	23.39	ND	
591-78-6	2-Hexanone	2.00	16.00	ND	8.21	65.66	ND	
142-28-9	1,3-Dichloropropane	1.00	14.00	ND	4.63	64.79	ND	
111-65-9	Octane	2.00	5.00	14.92	9.35	23.39	69.77	
124-48-1	Dibromochloromethane	2.00	5.00	ND	17.06	42.65	ND	
106-93-4	1,2-Dibromoethane (EDB)	2.00	5.00	ND	15.39	38.48	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	5.00	ND	3.40	33.95	ND	
108-90-7	Chlorobenzene	2.00	5.00	ND	9.22	23.06	ND	
630-20-6	1,1,1,2-Tetrachloroethane	2.00	5.00	ND	13.74	34.36	ND	
100-41-4	Ethylbenzene	2.00	5.00	16.46	8.70	21.75	71.61	J
1330-20-7	m,p-Xylenes	2.00	5.00	41.91	8.70	21.75	182.30	
111-84-2	Nonane	2.00	5.00	158.90	10.51	26.27	834.96	
100-42-5	Styrene	3.00	5.00	ND	12.80	21.34	ND	
75-25-2	Bromoform	2.00	5.00	ND	20.70	51.75	ND	
95-47-6	o-Xylene	2.00	5.00	21.39	8.70	21.75	93.01	J
79-34-5	1,1,2,2-Tetrachloroethane	4.00	10.00	ND	27.49	68.72	ND	
96-18-4	1,2,3-Trichloropropane	4.00	12.00	ND	24.15	72.44	ND	
110-57-6	t-1,4-Dichloro-2-butene	4.00	12.00	ND	20.48	61.43	ND	
103-65-1	n-Propylbenzene	4.00	14.00	ND	19.69	68.92	ND	
98-82-8	Isopropylbenzene	4.00	14.00	ND	19.69	68.92	ND	
622-96-8	4-Ethyltoluene	4.00	32.00	16.93	19.69	157.53	83.36	
108-67-8	1,3,5-Trimethylbenzene	4.00	18.00	ND	19.69	88.61	ND	
124-18-5	Decane	4.00	12.00	243.77	23.31	69.93	1,420.64	
98-06-6	tert-butyl benzene	4.00	12.00	ND	21.98	65.95	ND	
95-63-6	1,2,4-Trimethylbenzene	4.00	18.00	19.87	19.69	88.61	97.82	
538-93-2	i-Butylbenzene	4.00	12.00	ND	21.98	65.95	ND	
135-98-8	sec-butylbenzene	4.00	14.00	ND	21.98	76.95	ND	
541-73-1	1,3-Dichlorobenzene	4.00	16.00	ND	24.08	96.33	ND	
99-87-6	Isopropyltoluene	4.00	12.00	353.09	21.98	65.95	1,940.64	
100-44-7	Benzyl chloride	4.00	10.00	ND	20.74	51.85	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	4.00	10.00	ND	24.08	60.20	ND	
104-51-8	n-Butylbenzene	4.00	12.00	ND	21.98	65.95	ND	
95-50-1	1,2-Dichlorobenzene	4.00	14.00	ND	24.08	84.29	ND	
96-12-8	1,2-Dibromo-3-chloropropane	6.00	14.00	ND	58.07	135.49	ND	
120-82-1	1,2,4-Trichlorobenzene	6.00	10.00	ND	44.58	74.29	ND	
91-20-3	Naphthalene	10.00	2.00	ND	52.50	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	6.00	10.00	ND	44.58	74.29	ND	
87-68-3	Hexachlorobutadiene	5.00	6.00	ND	53.41	64.09	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 40

File Name: 2521040A.D
Description: T-312
Canister: 545
QC_Batch: 080425-MA1

Date Sampled: 7/17/2025 **Time:** 10:43
Date Analyzed: 8/4/2025 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 50.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Methylnonane	14.00	30.00	131.80	57.34	122.86	539.79
3,6-Dimethyloctan	14.00	30.00	67.60	57.34	122.86	276.86
5-Methyldecane	14.00	30.00	61.60	57.34	122.86	252.28
3-Methyldecane	14.00	30.00	95.80	57.34	122.86	392.35
Undecane	14.00	30.00	139.80	57.34	122.86	572.55
Dodecane	14.00	30.00	38.00	57.34	122.86	155.63

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 41

File Name: 2521041A.D
Description: T-313
Canister: 661
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:48
Date Analyzed: 7/30/2025 **Time:** 20:35
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.58	0.57	1.44	2.72	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	6.01	2.18	2.62	7.87	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.21	3.15	20.20	4.18	J
107-02-8	Acrolein	0.33	1.00	1.47	0.77	2.30	3.37	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.66	3.97	4.76	25.36	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.28	3.73	5.33	4.10	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	0.43	1.75	4.38	2.28	J
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	1.68	3.89	11.66	9.82	J
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	13.93	3.66	10.99	76.57	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 41

File Name: 2521041A.D
Description: T-313
Canister: 661
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:48
Date Analyzed: 7/30/2025 **Time:** 20:35
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	202.84	2.25	2.71	548.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 41

File Name: 2521041A.D
Description T-313
Canister: 661
QC_Batch: 073025-MA1

Date Sampled: 7/17/2025 **Time:** 10:48
Date Analyzed: 7/30/2025 **Time:** 20:35
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Undecane	2.33	5.00	10.03	9.56	20.48	41.09

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 42

File Name: 2521042A.D
Description: T-314
Canister: 603
QC_Batch: 072225-MA1

Date Sampled: 7/17/2025 **Time:** 11:22
Date Analyzed: 7/22/2025 **Time:** 16:11
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 42

File Name: 2521042A.D
Description: T-314
Canister: 603
QC_Batch: 072225-MA1

Date Sampled: 7/17/2025 **Time:** 11:22
Date Analyzed: 7/22/2025 **Time:** 16:11
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	195.27	2.25	2.71	528.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 42

File Name: 2521042A.D
Description T-314
Canister: 603
QC_Batch: 072225-MA1

Date Sampled: 7/17/2025 **Time:** 11:22
Date Analyzed: 7/22/2025 **Time:** 16:11
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210
Laboratory ID: 43

File Name: 2521043A.D
Description: T-401
Canister: 882
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:06
Date Analyzed: 7/31/2025 **Time:** 13:12
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.94	3.97	4.76	9.37	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 43

File Name: 2521043A.D
Description: T-401
Canister: 882
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:06
Date Analyzed: 7/31/2025 **Time:** 13:12
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	120.12	2.25	2.71	324.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 43

File Name: 2521043A.D
Description: T-401
Canister: 882
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:06
Date Analyzed: 7/31/2025 **Time:** 13:12
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 44

File Name: 2521044A.D
Description: T-402
Canister: 505
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:11
Date Analyzed: 7/31/2025 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.55	3.97	4.76	8.44	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 44**

File Name: 2521044A.D
Description: T-402
Canister: 505
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:11
Date Analyzed: 7/31/2025 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	141.03	2.25	2.71	381.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 44

File Name: 2521044A.D
Description T-402
Canister: 505
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:11
Date Analyzed: 7/31/2025 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 45

File Name: 2521045A.D
Description: T-403
Canister: 647
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:13
Date Analyzed: 7/31/2025 **Time:** 14:30
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 45

File Name: 2521045A.D
Description: T-403
Canister: 647
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:13
Date Analyzed: 7/31/2025 **Time:** 14:30
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	195.62	2.25	2.71	529.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 45

File Name: 2521045A.D
Description T-403
Canister: 647
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:13
Date Analyzed: 7/31/2025 **Time:** 14:30
Can Dilution Factor: 1.00
Air Volume: 300.00 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: 225210

Analytical Method: TO-15 **Laboratory ID: 46**

File Name: 2521046A.D **Date Sampled:** 7/18/2025 **Time:** 08:08
Description: T-404 **Date Analyzed:** 7/31/2025 **Time:** 15:10
Canister: 698 **Can Dilution Factor:** 1.00
QC_Batch: 073125-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	8.67	1.18	2.94	30.61	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID: 46**

File Name: 2521046A.D **Date Sampled:** 7/18/2025 **Time:** 08:08
Description: T-404 **Date Analyzed:** 7/31/2025 **Time:** 15:10
Canister: 698 **Can Dilution Factor:** 1.00
QC_Batch: 073125-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	93.95	2.25	2.71	254.14	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 46

File Name: 2521046A.D
Description: T-404
Canister: 698
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 08:08
Date Analyzed: 7/31/2025 **Time:** 15:10
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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 47

File Name: 2521047A.D
Description: T-405
Canister: 673
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:15
Date Analyzed: 7/31/2025 **Time:** 16:20
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.19	3.73	5.33	3.80	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 47

File Name: 2521047A.D
Description: T-405
Canister: 673
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:15
Date Analyzed: 7/31/2025 **Time:** 16:20
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	179.29	2.25	2.71	484.98	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 47

File Name: 2521047A.D
Description T-405
Canister: 673
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:15
Date Analyzed: 7/31/2025 **Time:** 16:20
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Butanal	2.33	5.00	7.67	9.56	20.48	31.40
2-Butoxyethanol	2.33	5.00	7.57	9.56	20.48	30.99

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 48

File Name: 2521048A.D
Description: T-406
Canister: 549
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:04
Date Analyzed: 7/31/2025 **Time:** 16:56
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.22	3.73	5.33	3.92	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	151	70	130	Q

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 48

File Name: 2521048A.D
Description: T-406
Canister: 549
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:04
Date Analyzed: 7/31/2025 **Time:** 16:56
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	144.49	2.25	2.71	390.87	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 48

File Name: 2521048A.D
Description T-406
Canister: 549
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:04
Date Analyzed: 7/31/2025 **Time:** 16:56
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	54.83	9.56	20.48	224.57

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: 225210
Laboratory ID: 49

File Name: 2521049A.D
Description: T-407
Canister: 778
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:10
Date Analyzed: 7/31/2025 **Time:** 17:31
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.31	0.57	1.44	2.25	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	2.12	2.18	2.62	2.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.15	3.97	4.76	14.62	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 49**

File Name: 2521049A.D
Description: T-407
Canister: 778
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:10
Date Analyzed: 7/31/2025 **Time:** 17:31
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	198.40	2.25	2.71	536.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 49

File Name: 2521049A.D
Description T-407
Canister: 778
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:10
Date Analyzed: 7/31/2025 **Time:** 17:31
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	29.30	9.56	20.48	120.00

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: 225210
Laboratory ID: 50

File Name: 2521050A.D
Description: T-408
Canister: 837
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:13
Date Analyzed: 7/31/2025 **Time:** 18:07
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.15	0.57	1.44	1.99	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.32	0.77	2.30	3.04	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.36	3.97	4.76	15.12	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 50

File Name: 2521050A.D
Description: T-408
Canister: 837
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:13
Date Analyzed: 7/31/2025 **Time:** 18:07
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	170.97	2.25	2.71	462.47	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 50

File Name: 2521050A.D
Description: T-408
Canister: 837
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:13
Date Analyzed: 7/31/2025 **Time:** 18:07
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	16.50	9.56	20.48	67.58

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 51

File Name: 2521051A.D
Description: T-409
Canister: 766
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:16
Date Analyzed: 7/31/2025 **Time:** 18:43
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.22	0.77	2.30	2.81	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	6.65	3.97	4.76	15.83	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% 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: 225210

Analytical Method: TO-15 **Laboratory ID:** 51

File Name: 2521051A.D
Description: T-409
Canister: 766
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:16
Date Analyzed: 7/31/2025 **Time:** 18:43
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	175.25	2.25	2.71	474.06	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 51

File Name: 2521051A.D
Description T-409
Canister: 766
QC_Batch: 073125-MA1

Date Sampled: 7/18/2025 **Time:** 09:16
Date Analyzed: 7/31/2025 **Time:** 18:43
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	18.60	9.56	20.48	76.18

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 52

File Name: 2521052A.D
Description: T-410
Canister: 701
QC_Batch: 072225-MA1

Date Sampled: 7/18/2025 **Time:** 09:42
Date Analyzed: 7/22/2025 **Time:** 16:48
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID:** 52

File Name: 2521052A.D
Description: T-410
Canister: 701
QC_Batch: 072225-MA1

Date Sampled: 7/18/2025 **Time:** 09:42
Date Analyzed: 7/22/2025 **Time:** 16:48
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	204.66	2.25	2.71	553.63	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 52

File Name: 2521052A.D
Description T-410
Canister: 701
QC_Batch: 072225-MA1

Date Sampled: 7/18/2025 **Time:** 09:42
Date Analyzed: 7/22/2025 **Time:** 16:48
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 53

File Name: 2521053A.D
Description: T-501
Canister: 638
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:17
Date Analyzed: 7/31/2025 **Time:** 19:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	4.76	8.75	1.75	24.99	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

	Surrogate Recovery	% 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: 225210
Laboratory ID: 53

File Name: 2521053A.D
Description: T-501
Canister: 638
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:17
Date Analyzed: 7/31/2025 **Time:** 19:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.14	2.25	2.71	495.42	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 53

File Name: 2521053A.D
Description T-501
Canister: 638
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:17
Date Analyzed: 7/31/2025 **Time:** 19:19
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	9.17	9.56	20.48	37.54

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: 225210
Laboratory ID: 54

File Name: 2521054A.D
Description: T-502
Canister: 417
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:22
Date Analyzed: 7/31/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.95	2.18	2.62	2.56	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.96	3.97	4.76	9.43	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	2.02	8.75	1.75	10.58	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 54**

File Name: 2521054A.D
Description: T-502
Canister: 417
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:22
Date Analyzed: 7/31/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	171.00	2.25	2.71	462.58	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 54

File Name: 2521054A.D
Description T-502
Canister: 417
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:22
Date Analyzed: 7/31/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-Butanol	2.33	5.00	10.07	9.56	20.48	41.23

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 55

File Name: 2521055A.D
Description: T-503
Canister: 792
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:15
Date Analyzed: 7/31/2025 **Time:** 20:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.94	3.97	4.76	9.37	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.71	3.73	5.33	5.48	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.67	1.67	ND	4.01	10.03	ND	
104-51-8	n-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
95-50-1	1,2-Dichlorobenzene	0.67	2.33	ND	4.01	14.05	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.00	2.33	ND	9.68	22.58	ND	
120-82-1	1,2,4-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
91-20-3	Naphthalene	1.67	0.33	3.56	8.75	1.75	18.68	
87-61-6	1,2,3-Trichlorobenzene	1.00	1.67	ND	7.43	12.38	ND	
87-68-3	Hexachlorobutadiene	0.83	1.00	ND	8.90	10.68	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	127	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 55**

File Name: 2521055A.D **Date Sampled:** 7/22/2025 **Time:** 10:15
Description T-503 **Date Analyzed:** 7/31/2025 **Time:** 20:19
Canister: 792 **Can Dilution Factor:** 1.00
QC_Batch: 073125-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	184.64	2.25	2.71	499.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 55

File Name: 2521055A.D
Description T-503
Canister: 792
QC_Batch: 073125-MA1

Date Sampled: 7/22/2025 **Time:** 10:15
Date Analyzed: 7/31/2025 **Time:** 20:19
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-Butoxyethanol	2.33	5.00	15.37	9.56	20.48	62.93

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: 225210
Laboratory ID: 56

File Name: 2521056A.D
Description: T-504
Canister: 552
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 10:26
Date Analyzed: 8/1/2025 **Time:** 13:30
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.36	3.97	4.76	5.61	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	0.68	2.13	3.56	2.92	J
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID:** 56

File Name:	2521056A.D	**Date Sampled:**	7/22/2025	**Time:**	10:26
Description	T-504	**Date Analyzed:**	8/1/2025	**Time:**	13:30
Canister:	552	**Can Dilution Factor:**	1.00		
QC_Batch:	080125-MA1	**Air Volume:**	300 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.60	2.25	2.71	447.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 56

File Name: 2521056A.D
Description: T-504
Canister: 552
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 10:26
Date Analyzed: 8/1/2025 **Time:** 13:30
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 57

File Name: 2521057A.D
Description: T-505
Canister: 704
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:26
Date Analyzed: 8/1/2025 **Time:** 14:09
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 57

File Name: 2521057A.D
Description: T-505
Canister: 704
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:26
Date Analyzed: 8/1/2025 **Time:** 14:09
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	165.00	2.25	2.71	446.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 57

File Name: 2521057A.D
Description T-505
Canister: 704
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:26
Date Analyzed: 8/1/2025 **Time:** 14:09
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 58

File Name: 2521058A.D
Description: T-506
Canister: 895
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 15:04
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.82	2.18	2.62	2.39	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 58

File Name: 2521058A.D
Description: T-506
Canister: 895
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 15:04
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	176.45	2.25	2.71	477.32	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 58

File Name: 2521058A.D
Description T-506
Canister: 895
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 15:04
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 59

File Name: 2521059A.D
Description: T-507
Canister: 856
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:24
Date Analyzed: 8/1/2025 **Time:** 16:17
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.09	0.57	1.44	1.89	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	1.23	1.04	2.60	3.83	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.69	0.98	2.95	2.04	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 59

File Name: 2521059A.D
Description: T-507
Canister: 856
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:24
Date Analyzed: 8/1/2025 **Time:** 16:17
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	157.99	2.25	2.71	427.37	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 59

File Name: 2521059A.D
Description T-507
Canister: 856
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:24
Date Analyzed: 8/1/2025 **Time:** 16:17
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 60

File Name: 2521060A.D
Description: T-508
Canister: 877
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 16:52
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.97	0.57	1.44	1.67	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	ND	2.18	2.62	ND	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	3.88	3.97	4.76	9.24	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	1.75	0.45	4.48	9.40	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	0.28	0.57	5.66	1.90	J
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery		QC Limits		
		% Rec.	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: 225210

Analytical Method: TO-15 **Laboratory ID: 60**

File Name: 2521060A.D
Description: T-508
Canister: 877
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 16:52
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	132.95	2.25	2.71	359.65	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 60

File Name: 2521060A.D
Description: T-508
Canister: 877
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:21
Date Analyzed: 8/1/2025 **Time:** 16:52
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 61

File Name: 2521061A.D
Description: T-509
Canister: 640
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:27
Date Analyzed: 8/1/2025 **Time:** 17:28
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.22	0.57	1.44	2.11	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	1.81	2.18	2.62	2.38	J
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	2.17	3.97	4.76	5.15	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 61

File Name: 2521061A.D
Description: T-509
Canister: 640
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:27
Date Analyzed: 8/1/2025 **Time:** 17:28
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	187.14	2.25	2.71	506.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 61

File Name: 2521061A.D
Description T-509
Canister: 640
QC_Batch: 080125-MA1

Date Sampled: 7/22/2025 **Time:** 11:27
Date Analyzed: 8/1/2025 **Time:** 17:28
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 62

File Name: 2521062A.D
Description: T-510
Canister: 688
QC_Batch: 072425-MA1

Date Sampled: 7/22/2025 **Time:** 11:48
Date Analyzed: 7/24/2025 **Time:** 13:44
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210

Analytical Method: TO-15 **Laboratory ID: 62**

File Name: 2521062A.D
Description: T-510
Canister: 688
QC_Batch: 072425-MA1

Date Sampled: 7/22/2025 **Time:** 11:48
Date Analyzed: 7/24/2025 **Time:** 13:44
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.99	2.25	2.71	497.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 62

File Name: 2521062A.D
Description T-510
Canister: 688
QC_Batch: 072425-MA1

Date Sampled: 7/22/2025 **Time:** 11:48
Date Analyzed: 7/24/2025 **Time:** 13:44
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

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

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 63

File Name: 2521063A.D
Description: T-601
Canister: 506
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:50
Date Analyzed: 8/1/2025 **Time:** 18:04
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	23.12	2.18	2.62	30.30	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.19	0.77	2.30	2.74	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.38	3.97	4.76	22.33	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.87	0.98	2.95	2.56	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.21	3.73	5.33	3.86	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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

SDG: 225210

Analytical Method: TO-15 **Laboratory ID: 63**

File Name: 2521063A.D **Date Sampled:** 7/23/2025 **Time:** 07:50
Description: T-601 **Date Analyzed:** 8/1/2025 **Time:** 18:04
Canister: 506 **Can Dilution Factor:** 1.00
QC_Batch: 080125-MA1 **Air Volume:** 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	159.22	2.25	2.71	430.71	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 63

File Name: 2521063A.D
Description T-601
Canister: 506
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:50
Date Analyzed: 8/1/2025 **Time:** 18:04
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 64

File Name: 2521064A.D
Description: T-602
Canister: 642
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:55
Date Analyzed: 8/1/2025 **Time:** 18:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.38	0.57	1.44	2.39	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	32.64	2.18	2.62	42.77	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	13.75	3.97	4.76	32.72	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.28	0.98	2.95	3.77	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	127	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 64

File Name: 2521064A.D
Description: T-602
Canister: 642
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:55
Date Analyzed: 8/1/2025 **Time:** 18:39
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	170.34	2.25	2.71	460.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 64

File Name: 2521064A.D
Description T-602
Canister: 642
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:55
Date Analyzed: 8/1/2025 **Time:** 18:39
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Camphor	2.33	5.00	7.30	9.56	20.48	29.90

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 65

File Name: 2521065A.D
Description: T-603
Canister: 990
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:49
Date Analyzed: 8/1/2025 **Time:** 19:14
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.45	0.57	1.44	2.50	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	17.47	2.18	2.62	22.89	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.31	0.77	2.30	3.02	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	29.35	3.97	4.76	69.85	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	7.14	0.98	2.95	21.09	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	2.12	3.89	11.66	12.34	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	1.56	3.66	10.99	8.58	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	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 65

File Name: 2521065A.D
Description: T-603
Canister: 990
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:49
Date Analyzed: 8/1/2025 **Time:** 19:14
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	136.41	2.25	2.71	369.00	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 65

File Name: 2521065A.D
Description T-603
Canister: 990
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:49
Date Analyzed: 8/1/2025 **Time:** 19:14
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
Undecane	2.33	5.00	15.70	9.56	20.48	64.30

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 66

File Name: 2521066A.D
Description: T-604
Canister: 858
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:56
Date Analyzed: 8/1/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	0.93	0.57	1.44	1.60	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	18.10	2.18	2.62	23.72	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.06	0.77	2.30	2.43	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	12.63	3.97	4.76	30.05	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	1.19	0.98	2.95	3.52	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

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

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

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	106	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 66

File Name: 2521066A.D
Description: T-604
Canister: 858
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:56
Date Analyzed: 8/1/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	186.44	2.25	2.71	504.34	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 66

File Name: 2521066A.D
Description: T-604
Canister: 858
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 07:56
Date Analyzed: 8/1/2025 **Time:** 19:49
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 67

File Name: 2521067A.D
Description: T-605
Canister: 847
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/1/2025 **Time:** 20:25
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.80	0.57	1.44	3.11	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	15.94	2.18	2.62	20.89	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	1.82	0.77	2.30	4.19	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.80	3.97	4.76	25.71	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	1.95	3.73	5.33	6.24	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% Rec.	QC 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 67

File Name: 2521067A.D
Description: T-605
Canister: 847
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/1/2025 **Time:** 20:25
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	87.97	2.25	2.71	237.97	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 67

File Name: 2521067A.D
Description T-605
Canister: 847
QC_Batch: 080125-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/1/2025 **Time:** 20:25
Can Dilution Factor: 1.00
Air Volume: 300.00 ml

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

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal 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: 225210
Laboratory ID: 68

File Name: 2521068A.D
Description: T-606
Canister: 803
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:06
Date Analyzed: 8/4/2025 **Time:** 14:02
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	ND	0.57	1.44	ND	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	5.19	2.18	2.62	6.80	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	ND	0.57	2.87	ND	
71-43-2	Benzene	1.17	1.67	2.72	3.73	5.33	8.69	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 68

File Name: 2521068A.D
Description: T-606
Canister: 803
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:06
Date Analyzed: 8/4/2025 **Time:** 14:02
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	169.31	2.25	2.71	457.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 68

File Name: 2521068A.D
Description T-606
Canister: 803
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:06
Date Analyzed: 8/4/2025 **Time:** 14:02
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 69

File Name: 2521069A.D
Description: T-607
Canister: 899
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:08
Date Analyzed: 8/4/2025 **Time:** 14:40
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	3.59	0.57	1.44	6.19	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	21.70	2.18	2.62	28.44	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	ND	3.15	20.20	ND	
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	ND	3.97	4.76	ND	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	ND	0.98	2.95	ND	
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	0.77	0.57	2.87	2.65	J
71-43-2	Benzene	1.17	1.67	1.85	3.73	5.33	5.92	
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	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 69

File Name: 2521069A.D
Description: T-607
Canister: 899
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:08
Date Analyzed: 8/4/2025 **Time:** 14:40
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	94.77	2.25	2.71	256.37	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 69

File Name: 2521069A.D
Description T-607
Canister: 899
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:08
Date Analyzed: 8/4/2025 **Time:** 14:40
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 70

File Name: 2521070A.D
Description: T-608
Canister: 730
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 08:50
Date Analyzed: 8/4/2025 **Time:** 15:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	1.79	0.57	1.44	3.08	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	16.21	2.18	2.62	21.25	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	2.19	3.15	20.20	4.14	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	9.36	3.97	4.76	22.28	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.50	0.98	2.95	1.47	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	3.42	0.57	2.87	11.81	
71-43-2	Benzene	1.17	1.67	1.49	3.73	5.33	4.77	J
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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: 225210
Laboratory ID: 70

File Name: 2521070A.D
Description: T-608
Canister: 730
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 08:50
Date Analyzed: 8/4/2025 **Time:** 15:19
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	77.61	2.25	2.71	209.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 70

File Name: 2521070A.D
Description: T-608
Canister: 730
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 08:50
Date Analyzed: 8/4/2025 **Time:** 15:19
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 71

File Name: 2521071A.D
Description: T-609
Canister: 675
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/4/2025 **Time:** 15:57
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.33	0.83	2.14	0.57	1.44	3.68	
75-71-8	Dichlorodifluoromethane	0.50	0.83	ND	2.48	4.13	ND	
67-56-1	Methanol	1.67	2.00	19.55	2.18	2.62	25.62	
74-87-3	Chloromethane	0.50	0.83	ND	1.03	1.72	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.33	0.83	ND	2.33	5.83	ND	
75-01-4	Vinyl chloride	0.17	0.83	ND	0.43	2.13	ND	
106-99-0	1,3-Butadiene	0.17	0.83	ND	0.37	1.85	ND	
74-83-9	Bromomethane	0.33	0.83	ND	1.30	3.24	ND	
75-00-3	Chloroethane	0.33	0.83	ND	0.88	2.20	ND	
64-17-5	Ethanol	1.67	10.70	3.88	3.15	20.20	7.32	J
107-02-8	Acrolein	0.33	1.00	ND	0.77	2.30	ND	
75-69-4	Trichlorofluoromethane	0.33	0.83	ND	1.88	4.69	ND	
67-64-1	Acetone	1.67	2.00	10.90	3.97	4.76	25.95	
67-63-0	2-propanol (isopropylalcohol)	0.67	4.17	ND	1.64	10.26	ND	
75-65-0	t-Butyl alcohol	0.33	3.33	ND	1.01	10.12	ND	
4227-95-6	Methyl iodide	0.33	1.00	ND	1.95	5.85	ND	
75-35-4	1,1-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	
107-13-1	Acrylonitrile	0.67	1.00	ND	1.45	2.17	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.17	0.83	ND	1.28	6.40	ND	
107-05-1	Allyl chloride	0.17	3.33	ND	0.52	10.44	ND	
75-09-2	Methylene chloride	0.17	0.83	ND	0.58	2.90	ND	
75-15-0	Carbon disulfide	0.33	0.83	ND	1.04	2.60	ND	
156-60-5	trans-1,2-Dichloroethene	0.17	0.67	ND	0.66	2.65	ND	
1634-04-4	Methyl tert butyl ether	0.33	0.67	ND	1.20	2.41	ND	
107-12-0	Propionitrile	0.83	1.33	ND	1.88	3.01	ND	
75-34-3	1,1-Dichloroethane	0.17	0.83	ND	0.67	3.38	ND	
637-92-3	Ethyl tert butyl ether	0.33	0.83	ND	1.40	3.49	ND	
108-05-4	Vinyl acetate	0.17	3.33	ND	0.59	11.75	ND	
78-93-3	2-Butanone (MEK)	0.33	1.00	0.68	0.98	2.95	2.00	J
108-20-3	Diisopropyl ether	0.33	2.00	ND	1.40	8.37	ND	
110-54-3	Hexane	0.33	0.83	ND	1.18	2.94	ND	
126-98-7	Methacrylonitrile	0.33	0.83	ND	0.92	2.29	ND	
141-78-6	Ethyl acetate	0.33	0.83	ND	1.20	3.01	ND	
74-97-5	Bromochloromethane	0.17	0.83	ND	0.88	4.42	ND	
96-33-3	Methyl acrylate	0.33	1.67	ND	1.18	5.88	ND	
109-99-9	Tetrahydrofuran	0.17	1.00	ND	0.50	2.95	ND	
78-83-1	Isobutyl alcohol	0.67	2.67	ND	2.02	8.09	ND	
156-59-2	cis-1,2-Dichloroethene	0.17	0.83	ND	0.66	3.31	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
67-66-3	Chloroform	0.17	0.83	ND	0.82	4.08	ND	
71-55-6	1,1,1-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
107-06-2	1,2-Dichloroethane	0.17	0.83	ND	0.68	3.38	ND	
563-58-6	1,1-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
110-82-7	Cyclohexane	0.17	0.83	4.27	0.57	2.87	14.72	
71-43-2	Benzene	1.17	1.67	ND	3.73	5.33	ND	
56-23-5	Carbon tetrachloride	0.17	0.83	ND	1.05	5.25	ND	
994-05-8	t-Amyl methyl ether	0.33	1.67	ND	1.40	6.98	ND	
540-84-1	2,2,4-Trimethylpentane	0.17	0.83	ND	0.78	3.90	ND	
142-82-5	n-Heptane	0.33	0.83	ND	1.37	3.42	ND	
78-87-5	1,2-Dichloropropane	0.17	0.83	ND	0.77	3.86	ND	
123-91-1	1,4 Dioxane	0.33	1.67	ND	1.20	6.01	ND	
74-95-3	Dibromomethane	0.17	0.83	ND	1.19	5.93	ND	
79-01-6	Trichloroethene (TCE)	0.08	0.83	ND	0.45	4.48	ND	
75-27-4	Bromodichloromethane	0.17	0.83	ND	1.12	5.59	ND	
80-62-6	Methyl methacrylate	0.33	0.83	ND	1.37	3.42	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.33	2.67	ND	1.37	10.94	ND	
10061-01-5	cis-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
108-88-3	Toluene	0.67	0.83	ND	2.51	3.14	ND	
10061-02-6	trans-1,3-Dichloropropene	0.17	0.83	ND	0.76	3.79	ND	
79-00-5	1,1,2-Trichloroethane	0.17	0.83	ND	0.91	4.55	ND	
97-63-2	Ethyl methacrylate	0.33	0.83	ND	1.56	3.90	ND	
591-78-6	2-Hexanone	0.33	2.67	ND	1.37	10.94	ND	
142-28-9	1,3-Dichloropropane	0.17	2.33	ND	0.77	10.80	ND	
111-65-9	Octane	0.33	0.83	ND	1.56	3.90	ND	
124-48-1	Dibromochloromethane	0.33	0.83	ND	2.84	7.11	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.33	0.83	ND	2.57	6.41	ND	
127-18-4	Tetrachloroethene (PCE)	0.08	0.83	ND	0.57	5.66	ND	
108-90-7	Chlorobenzene	0.33	0.83	ND	1.54	3.84	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.33	0.83	ND	2.29	5.73	ND	
100-41-4	Ethylbenzene	0.33	0.83	ND	1.45	3.62	ND	
1330-20-7	m,p-Xylenes	0.33	0.83	ND	1.45	3.62	ND	
111-84-2	Nonane	0.33	0.83	ND	1.75	4.38	ND	
100-42-5	Styrene	0.50	0.83	ND	2.13	3.56	ND	
75-25-2	Bromoform	0.33	0.83	ND	3.45	8.62	ND	
95-47-6	o-Xylene	0.33	0.83	ND	1.45	3.62	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.67	1.67	ND	4.58	11.45	ND	
96-18-4	1,2,3-Trichloropropane	0.67	2.00	ND	4.02	12.07	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.67	2.00	ND	3.41	10.24	ND	
103-65-1	n-Propylbenzene	0.67	2.33	ND	3.28	11.49	ND	
98-82-8	Isopropylbenzene	0.67	2.33	ND	3.28	11.49	ND	
622-96-8	4-Ethyltoluene	0.67	5.33	ND	3.28	26.25	ND	
108-67-8	1,3,5-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
124-18-5	Decane	0.67	2.00	ND	3.89	11.66	ND	
98-06-6	tert-butyl benzene	0.67	2.00	ND	3.66	10.99	ND	
95-63-6	1,2,4-Trimethylbenzene	0.67	3.00	ND	3.28	14.77	ND	
538-93-2	i-Butylbenzene	0.67	2.00	ND	3.66	10.99	ND	
135-98-8	sec-butylbenzene	0.67	2.33	ND	3.66	12.82	ND	
541-73-1	1,3-Dichlorobenzene	0.67	2.67	ND	4.01	16.05	ND	
99-87-6	Isopropyltoluene	0.67	2.00	ND	3.66	10.99	ND	
100-44-7	Benzyl chloride	0.67	1.67	ND	3.46	8.64	ND	

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

	Surrogate Recovery	% 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 71

File Name: 2521071A.D
Description: T-609
Canister: 675
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/4/2025 **Time:** 15:57
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	84.44	2.25	2.71	228.41	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 71

File Name: 2521071A.D
Description: T-609
Canister: 675
QC_Batch: 080425-MA1

Date Sampled: 7/23/2025 **Time:** 09:03
Date Analyzed: 8/4/2025 **Time:** 15:57
Can Dilution Factor: 1.00
Air Volume: 300.00 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

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 72

File Name: 2521072A.D
Description: T-610
Canister: 753
QC_Batch: 072425-MA1

Date Sampled: 7/23/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 14:27
Can Dilution Factor: 1.00
Air Volume: 300 ml

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

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

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

	Surrogate Recovery	% Rec.	QC 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: 225210
Laboratory ID: 72

File Name: 2521072A.D
Description: T-610
Canister: 753
QC_Batch: 072425-MA1

Date Sampled: 7/23/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 14:27
Can Dilution Factor: 1.00
Air Volume: 300 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	0.83	1.00	183.10	2.25	2.71	495.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 225210
Laboratory ID: 72

File Name: 2521072A.D
Description T-610
Canister: 753
QC_Batch: 072425-MA1

Date Sampled: 7/23/2025 **Time:** 09:31
Date Analyzed: 7/24/2025 **Time:** 14:27
Can Dilution Factor: 1.00
Air Volume: 300.00 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.

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon - Permanent Gases

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

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

Project Number: 17807
Sample Event Date: 7/15,7/16,7/17,7/
Received Date: 7/18/2025
Report Date: 8/11/2025

Project Number: ASTM D1945 Permanent Gases
PO Number:

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

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

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

Laboratory Work Order

SDG Number: 225210
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/18/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is 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
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

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

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

Laboratory Case Narrative

EAS SDG Number: 225210 **Project Number:** 17807

Client: C.E. Schmidt

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

Sample Control Narrative

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

Analytical Methods

The methods used for sample analysis are listed on the 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: 8/11/2025

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

225210 17807 COPY

TO-15 Day 1

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

Form Serial Number: CES F1-02106

Client Name: SCS

Chiquita Canyon Landfill

Project Manager: *Pat Sullivan*

Requested Completion Date:

For Information Regarding These Samples Please Contact:

Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
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
01	7/15/2025	833		X	T - 101	935	1		X		X	X	X	X	X	-27	0	697
02	7/15/2025	828		X	T - 102	650	1		X		X	X	X	X	X	-29	0	695
03	7/15/2025	816		X	T - 103	823	1		X		X	X	X	X	X	-27	0	714
04	7/15/2025	805		X	T - 104	891	1		X		X	X	X	X	X	-25	0	701
05	7/15/2025	1005		X	T - 105	756	1		X		X	X	X	X	X	-24	0	687
06	7/15/2025	955		X	T - 106	634	1		X		X	X	X	X	X	-23	0	692
07	7/15/2025	1006		X	T - 107	882	1		X		X	X	X	X	X	-24	0	676
08	7/15/2025	955		X	T - 108	553	1		X		X	X	X	X	X	-24	0	681
09	7/15/2025	1105		X	T - 109	605	1		X		X	X	X	X	X	-29	0	690
10	7/15/2025	1055		X	T - 110	738	1		X		X	X	X	X	X	-21	0	676
11	7/15/2025	1106		X	T - 111	788	1		X		X	X	X	X	X	-29	0	672
12	7/15/2025	1116		X	T - 112	971	1		X		X	X	X	X	X	-29	0	676
13	7/15/2025	1120		X	T - 113	672	1		X		X	X	X	X	X	-29	0	685
14	7/15/2025	1144		X	T - 114	857	1		X		X	X	X	X	X	-29	0	712

Sampler: CE Schmidt
Recieved by: FEDEX
Recieved by:
Recieved by Laboratory:

Date/Time: 7/15/25 1153
Date/Time:
Date/Time:
Date/Time: 7/18/25 1315

Relinquished by: CE Schmidt
Relinquished by:
Relinquished by:

Date/Time: 7/15/25 1153
Date/Time:
Date/Time:

Sample Shipped Via: UPS FEDEX BUS Other

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

Remarks:

000684 of 001148

CE Schmidt, Ph.., Environmental Consultant

TO-15 Day 2

COPY

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	Laboratory Name *EAS*
Project Manager *Pat Sullivan*	E-Mail: SCHMIDTCE@aol.com	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	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14A 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
15	7/16/2025	1024		X	T - 201	846	1		X		X	X	X	X	X	-29	0	706
16	7/16/2025	1028		X	T - 202	724	1		X		X	X	X	X	X	-29	0	700
17	7/16/2025	1026		X	T - 203	690	1		X		X	X	X	X	X	-29	0	716
18	7/16/2025	1027		X	T - 204	531	1		X		X	X	X	X	X	-29	0	700
19	7/16/2025	1027		X	T - 205	749	1		X		X	X	X	X	X	-29	0	689
20	7/16/2025	1032		X	T - 206	779	1		X		X	X	X	X	X	-29	0	699
21	7/16/2025	1031		X	T - 207	652	1		X		X	X	X	X	X	-29	0	678
22	7/16/2025	1040		X	T - 208	607	1		X		X	X	X	X	X	-29	0	690
23	7/16/2025	1045		X	T - 209	509	1		X		X	X	X	X	X	-29	0	680
24	7/16/2025	1054		X	T - 210	712	1		X		X	X	X	X	X	-29	0	692
25	7/16/2025	1059		X	T - 211	687	1		X		X	X	X	X	X	-29	0	691
26	7/16/2025	1100		X	T - 212	729	1		X		X	X	X	X	X	-29	0	690
27	7/16/2025	1104		X	T - 213	803	1		X		X	X	X	X	X	-29	0	690
28	7/16/2025	1130		X	T - 214	757	1		X		X	X	X	X	X	-29	0	733
mdp																		

Sampler CESchmidt	Date/Time 7/16/25 1130	Relinquished by CESchmidt	Date/Time 7/16/25 1130
Recieved by EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory C	Date/Time 07/18/25 1715	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NRESA 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 D2

000685 of 001148

COPY

TO-15 Day 3

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

Form Serial Number
CES F1-02106

Client Name
SCS
Chiquita Canyon Landfill

Project Manager
Pat Sullivan

Requested Completion Date

For Information Regarding These Samples
Please Contact:

Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
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	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,4-DFA Tracer	Can Pressure in (inches Hg)	Can Pressure Out (inches Hg)	Remarks
29	7/17/2025	931		x	T - 301	504	1		x		x	x	x	x	x	-29	0	703
30	7/17/2025	922		x	T - 302	718	1		x		x	x	x	x	x	-29	0	699
31	7/17/2025	925		x	T - 303	880	1		x		x	x	x	x	x	-29	0	709
32	7/17/2025	905		x	T - 304	673	1		x		x	x	x	x	x	-29	0	718
33	7/17/2025	942		x	T - 305	700	1		x		x	x	x	x	x	-29	0	678
34	7/17/2025	940		x	T - 306	860	1		x		x	x	x	x	x	-29	0	689
35	7/17/2025	936		x	T - 307	760	1		x		x	x	x	x	x	-29	0	680
36	7/17/2025	935		x	T - 308	706	1		x		x	x	x	x	x	-29	0	685
37	7/17/2025	1052		x	T - 309	932	1		x		x	x	x	x	x	-29	0	674
38	7/17/2025	1057		x	T - 310	613	1		x		x	x	x	x	x	-29	0	678
39	7/17/2025	1042		x	T - 311	152	1		x		x	x	x	x	x	-29	0	688
40	7/17/2025	1043		x	T - 312	545	1		x		x	x	x	x	x	-29	0	680
41	7/17/2025	1038		x	T - 313	661	1		x		x	x	x	x	x	-29	0	679
42	7/17/2025	1122		x	T - 314	603	1		x		x	x	x	x	x	-29	0	768

Page 26 of 100

Sampler		Date/Time 7/17/25 1130	Relinquished by	Date/Time 7/17/25 1130
Recieved by		Date/Time	Relinquished by	Date/Time
Recieved by		Date/Time	Relinquished by	Date/Time
Recieved by Laboratory		Date/Time 7/18/25 1315	Sample Shipped Via UPS FEDEX BUS Other	

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

Remarks

000686 of 001148

TO-15 Day 4

COPY

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

Form Serial Number
CES F1-02106

Client Name
SCS
Chiquita Canyon Landfill
Project Manager
Pat Sullivan

Requested Completion Date

For Information Regarding These Samples
Please Contact:

Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
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
43	7/18/2025	836		X	T - 401	382	1		X		X	X	X	X	X	-29	0	702
44	7/18/2025	841		X	T - 402	505	1		X		X	X	X	X	X	-29	0	709
45	7/18/2025	845		X	T - 403	647	1		X		X	X	X	X	X	-29	0	707
46	7/18/2025	808		X	T - 404	698	1		X		X	X	X	X	X	-29	0	708
47	7/18/2025	915		X	T - 405	603	1		X		X	X	X	X	X	-29	0	682
48	7/18/2025	907		X	T - 406	547	1		X		X	X	X	X	X	-29	0	695
49	7/18/2025	910		X	T - 407	778	1		X		X	X	X	X	X	-29	0	694
50	7/18/2025	913		X	T - 408	837	1		X		X	X	X	X	X	-29	0	687
51	7/18/2025	916		X	T - 409	726	1		X		X	X	X	X	X	-29	0	694
52	7/18/2025	922		X	T - 410	701	1		X		X	X	X	X	X	-29	0	844

Page 22 of 100

Sampler: CE Schmidt	Date/Time: 7/18/25 1000	Relinquished by: CE Schmidt	Date/Time: 7/18/25 1000
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time 07/18/25 1715	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 D4

CE Schmidt, Ph.., Environmental Consultant

TO-.. Day 5

Chain of Custody Record

Form Serial Number: GES F1-02106

Client Name: SCS — *Chiquita Canyon Landfill*

Project Manager: *Pat Sullivan*

Requested Completion Date:

For Information Regarding These Samples Please Contact:

FIELD COPY

Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name: *EAS*

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	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (NMHC)	TO-14A 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
53	7/22/2025	1017		X	T - 501	638	1		X		X	X	X	X	X	-29	0	718
54	7/22/2025	1022		X	T - 502	477	1		X		X	X	X	X	X	-29	0	716
55	7/22/2025	1015		X	T - 503	792	1		X		X	X	X	X	X	-29	0	714
56	7/22/2025	1026		X	T - 504	552	1		X		X	X	X	X	X	-29	0	716
57	7/22/2025	1116		X	T - 505	704	1		X		X	X	X	X	X	-29	0	709
58	7/22/2025	1121		X	T - 506	895	1		X		X	X	X	X	X	-29	0	760
59	7/22/2025	1124		X	T - 507	86	1		X		X	X	X	X	X	-29	0	703
60	7/22/2025	1121		X	T - 508	877	1		X		X	X	X	X	X	-29	0	705
61	7/22/2025	1127		X	T - 509	640	1		X		X	X	X	X	X	-29	0	699
62	7/22/2025	1128		X	T - 510	688	1		X		X	X	X	X	X	-29	0	733

Sampler: CESchmidt	Date/Time: 7/22/25 1200	Relinquished by: CESchmidt	Date/Time: 7/22/25 1200
Recieved by: EAS	Date/Time:	Relinquished by:	Date/Time:
Recieved by:	Date/Time:	Relinquished by:	Date/Time:
Recieved by Laboratory: [illegible]	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

HAZWRAP/NEESA Y N

QC Level 1 2 3

COC

Ana Req

Cust Seal

Sample Condition

Remarks:

000688 of 001148

TO- Day 6

CE Schmidt, Ph.., Environmental Consultant

Chain of Custody Record

COPY

Form Serial Number
CES F1-02106

Client Name
SCS
Chiquita Canyon Landfill

Project Manager
Pat Sullivan

Requested Completion Date

For Information Regarding These Samples Please Contact:
Dr. Charles E. Schmidt
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 Cell: 530-200-2473
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	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 Hg)	Remarks
63	7/23/2025	1150		X	T - 601	506	1		X		X	X	X	X	X	-29	0	718
64	7/23/2025	1255		X	T - 602	642	1		X		X	X	X	X	X	-29	0	718
65	7/23/2025	1349		X	T - 603	910	1		X		X	X	X	X	X	-29	0	720
66	7/23/2025	1456		X	T - 604	858	1		X		X	X	X	X	X	-29	0	708
67	7/23/2025	1603		X	T - 605	847	1		X		X	X	X	X	X	-29	0	707
68	7/23/2025	916		X	T - 606	803	1		X		X	X	X	X	X	-29	0	695
69	7/23/2025	1008		X	T - 607	859	1		X		X	X	X	X	X	-29	0	701
70	7/23/2025	850		X	T - 608	730	1		X		X	X	X	X	X	-29	0	713
71	7/23/2025	903		X	T - 609	625	1		X		X	X	X	X	X	-29	0	708
72	7/23/2025	921		X	T - 610	753	1		X		X	X	X	X	X	-29	0	681

Sampler: C. Schmidt
Recieved by: CAS
Recieved by:
Recieved by Laboratory: Stacey Sanchez

Date/Time: 7/23/25 1100
Date/Time:
Date/Time: 7/23/25 13:00

Relinquished by: C. Schmidt
Relinquished by:
Relinquished by:

Date/Time: 7/23/25 1100
Date/Time:
Date/Time:

Sample Shipped Via: UPS FEDEX BUS Other

Remarks

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

Quality Control Report

EAS SDG Number: 225210

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.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: LABQC
Laboratory Number: B08055B

File Name: B08055B
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 08025-GCO

Date Sampled:
Time:
Date Analyzed: 08/05/25
Time: 14:42
Can Dilution Factor: 1.00

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.380	0.407	ND	3,800	4,066	ND	ND
7782-44-7	Oxygen	0.050	0.054	ND	500	535	ND	ND
630-08-0	Carbon Monoxide	0.010	0.011	ND	100	107	ND	ND
124-38-9	Carbon Dioxide	0.010	0.011	ND	100	107	ND	ND

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D 1945 GC/TCD
Analytical Method: D1945

Date: 08/05/25
QC_Batch: 080525-GCO

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
7782-44-7	Oxygen	102		97		70	130	5	25	
7727-37-9	Nitrogen	99		86		70	130	14	25	
74-82-8	Methane	104		103		70	130	0	25	
630-08-0	Carbon Monoxide	107		105		70	130	2	25	
124-38-9	Carbon Dioxide	100		97		70	130	3	25	

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

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

NELAC CERTIFICATION

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

DETECTION LIMITS

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

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

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 01

File Name: 2521001A
Description: T-101
Can/Tube#: 735
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 8:37
Date Analyzed: 08/05/25 **Time:** 15:06
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.581	0.622	ND	5,805	6,212	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.15	764	817	111,548	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	153	163	1,317	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 02

File Name: 2521002A
Description: T-102
Can/Tube#: 650
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 8:38
Date Analyzed: 08/05/25 **Time:** 15:11
Can Dilution Factor: 1.55

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.587	0.628	ND	5,873	6,284	ND	ND
7782-44-7	Oxygen	0.077	0.082	11.61	773	827	116,139	
630-08-0	Carbon Monoxide	0.015	0.016	ND	155	165	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	155	165	1,183	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 03

File Name: 2521003A
Description: T-103
Can/Tube#: 823
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 8:16
Date Analyzed: 08/05/25 **Time:** 15:17
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.562	0.601	ND	5,622	6,016	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.68	740	792	126,815	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.05	148	158	455	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 04

File Name: 2521004A
Description: T-104
Can/Tube#: 881
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 8:05
Date Analyzed: 08/05/25 **Time:** 15:23
Can Dilution Factor: 1.52

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,792	6,197	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.51	762	815	115,087	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.27	152	163	2,707	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 05

File Name: 2521005A
Description: T-105
Can/Tube#: 756
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 10:05
Date Analyzed: 08/05/25 **Time:** 15:29
Can Dilution Factor: 1.57

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.598	0.640	ND	5,978	6,396	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.47	787	842	114,720	
630-08-0	Carbon Monoxide	0.016	0.017	ND	157	168	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.08	157	168	839	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 06

File Name: 2521006A
Description: T-106
Can/Tube#: 634
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 08/05/25 **Time:** 15:34
Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.602	0.644	ND	6,016	6,437	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.51	792	847	115,052	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.08	158	169	794	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210
Analytical Method: D1945
Laboratory Number: 07

File Name: 2521007A
Description: T-107
Can/Tube#: 802
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 10:06
Date Analyzed: 08/05/25 **Time:** 15:41
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,644	6,039	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.85	743	795	118,506	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	149	159	951	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 08

File Name: 2521008A
Description: T-108
Can/Tube#: 553
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 08/05/25 **Time:** 15:47
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,586	5,977	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.14	735	786	121,393	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	147	157	1,189	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 09

File Name: 2521009A
Description: T-109
Can/Tube#: 605
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 11:05
Date Analyzed: 08/05/25 **Time:** 15:52
Can Dilution Factor: 1.56

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.593	0.635	ND	5,927	6,342	ND	ND
7782-44-7	Oxygen	0.078	0.083	11.80	780	834	117,980	
630-08-0	Carbon Monoxide	0.016	0.017	ND	156	167	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	156	167	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 10

File Name: 2521010A
Description: T-110
Can/Tube#: 738
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 10:55
Date Analyzed: 08/05/25 **Time:** 15:58
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,700	6,099	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.91	750	803	119,075	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	150	161	395	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 11

File Name: 2521011A
Description: T-111
Can/Tube#: 768
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 11:06
Date Analyzed: 08/05/25 **Time:** 16:04
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.567	0.607	ND	5,669	6,066	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.26	746	798	112,648	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	149	160	798	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 12

File Name: 2521012A
Description: T-112
Can/Tube#: 897
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 11:16
Date Analyzed: 08/05/25 **Time:** 16:11
Can Dilution Factor: 1.82

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.693	0.742	ND	6,931	7,416	ND	ND
7782-44-7	Oxygen	0.091	0.097	11.17	912	976	111,668	
630-08-0	Carbon Monoxide	0.018	0.019	ND	182	195	ND	ND
124-38-9	Carbon Dioxide	0.018	0.019	0.19	182	195	1,920	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210
Analytical Method: D1945
Laboratory Number: 13

File Name: 2521013A
Description: T-113
Can/Tube#: 692
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 11:20
Date Analyzed: 08/05/25 **Time:** 16:19
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,580	5,971	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.78	734	786	117,785	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	995	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 14

File Name: 2521014A
Description: T-114
Can/Tube#: 657
QC_Batch: 08025-GCO

Date Sampled: 07/15/25 **Time:** 11:44
Date Analyzed: 08/05/25 **Time:** 16:24
Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.604	0.646	ND	6,038	6,460	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.87	794	850	118,650	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	159	170	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 15

File Name: 2521015A
Description: T-201
Can/Tube#: 846
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 8:24
Date Analyzed: 08/05/25 **Time:** 16:30
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.544	0.582	ND	5,443	5,824	ND	ND
7782-44-7	Oxygen	0.072	0.077	11.84	716	766	118,402	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.10	143	153	1,022	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 16

File Name: 2521016A
Description: T-202
Can/Tube#: 764
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 8:28
Date Analyzed: 08/05/25 **Time:** 16:35
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.557	0.596	ND	5,565	5,955	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.96	732	784	119,623	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	146	157	964	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 17

File Name: 2521017A
Description: T-203
Can/Tube#: 690
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 8:16
Date Analyzed: 08/05/25 **Time:** 16:41
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.515	0.551	ND	5,154	5,515	ND	ND
7782-44-7	Oxygen	0.068	0.073	12.10	678	726	120,959	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	136	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 18

File Name: 2521018A
Description: T-204
Can/Tube#: 531
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 8:21
Date Analyzed: 08/05/25 **Time:** 16:46
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.553	0.592	ND	5,532	5,919	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.04	728	779	120,356	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	146	156	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 19

File Name: 2521019A
Description: T-205
Can/Tube#: 749
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 9:24
Date Analyzed: 08/05/25 **Time:** 16:51
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,627	6,021	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.92	740	792	119,174	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	158	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 20

File Name: 2521020A
Description: T-206
Can/Tube#: 779
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 9:32
Date Analyzed: 08/05/25 **Time:** 16:57
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,631	6,025	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.94	741	793	119,369	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 21

File Name: 2521021A
Description: T-207
Can/Tube#: 672
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 9:31
Date Analyzed: 08/05/25 **Time:** 17:02
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.576	0.616	ND	5,756	6,159	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.07	757	810	120,654	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	162	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 22

File Name: 2521022A
Description: T-208
Can/Tube#: 677
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 9:40
Date Analyzed: 08/05/25 **Time:** 17:07
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,703	6,102	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.95	750	803	119,523	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 23

File Name: 2521023A
Description: T-209
Can/Tube#: 509
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 11:05
Date Analyzed: 08/05/25 **Time:** 17:13
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.574	0.614	ND	5,743	6,145	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.00	756	809	119,982	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	162	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 24

File Name: 2521024A
Description: T-210
Can/Tube#: 712
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 10:54
Date Analyzed: 08/05/25 **Time:** 17:18
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,564	5,953	ND	ND
7782-44-7	Oxygen	0.073	0.078	11.88	732	783	118,837	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	146	157	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 25

File Name: 2521025A
Description: T-211
Can/Tube#: 654
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 10:59
Date Analyzed: 08/05/25 **Time:** 17:24
Can Dilution Factor: 1.63

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.618	0.661	ND	6,177	6,609	ND	ND
7782-44-7	Oxygen	0.081	0.087	11.87	813	870	118,675	
630-08-0	Carbon Monoxide	0.016	0.017	ND	163	174	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	163	174	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 26

File Name: 2521026A
Description: T-212
Can/Tube#: 729
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 11:00
Date Analyzed: 08/05/25 **Time:** 17:29
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.570	0.610	ND	5,703	6,102	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.98	750	803	119,797	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 27

File Name: 2521027A
Description: T-213
Can/Tube#: 503
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 11:06
Date Analyzed: 08/05/25 **Time:** 17:35
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,676	6,073	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.12	747	799	121,197	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 28

File Name: 2521028A
Description: T-214
Can/Tube#: 754
QC_Batch: 08025-GCO

Date Sampled: 07/16/25 **Time:** 11:30
Date Analyzed: 08/05/25 **Time:** 17:40
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,640	6,035	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.02	742	794	120,208	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 29

File Name: 2521029A
Description: T-301
Can/Tube#: 504
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 8:11
Date Analyzed: 08/05/25 **Time:** 17:46
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.560	0.599	ND	5,599	5,991	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.81	737	788	128,100	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.12	147	158	1,247	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 30

File Name: 2521030A
Description: T-302
Can/Tube#: 718
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 8:22
Date Analyzed: 08/05/25 **Time:** 17:51
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,590	5,981	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.96	735	787	119,635	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	1,018	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 31

File Name: 2521031A
Description: T-303
Can/Tube#: 800
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 8:25
Date Analyzed: 08/05/25 **Time:** 17:57
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.506	0.541	ND	5,059	5,414	ND	ND
7782-44-7	Oxygen	0.067	0.072	12.27	666	712	122,744	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.10	133	142	998	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 32

File Name: 2521032A
Description: T-304
Can/Tube#: 643
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 8:05
Date Analyzed: 08/05/25 **Time:** 18:02
Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.548	0.586	ND	5,483	5,867	ND	ND
7782-44-7	Oxygen	0.072	0.077	11.88	721	772	118,780	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	154	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.08	144	154	832	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 33

File Name: 2521033A
Description: T-305
Can/Tube#: 700
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 9:42
Date Analyzed: 08/05/25 **Time:** 18:07
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.572	0.612	ND	5,719	6,119	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.08	752	805	120,801	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.15	150	161	1,485	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 34

File Name: 2521034A
Description: T-306
Can/Tube#: 860
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 9:40
Date Analyzed: 08/05/25 **Time:** 18:13
Can Dilution Factor: 1.56

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.592	0.633	ND	5,922	6,337	ND	ND
7782-44-7	Oxygen	0.078	0.083	12.04	779	834	120,409	
630-08-0	Carbon Monoxide	0.016	0.017	ND	156	167	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.11	156	167	1,066	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 35

File Name: 2521035A
Description: T-307
Can/Tube#: 760
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 9:36
Date Analyzed: 08/05/25 **Time:** 18:18
Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.600	0.642	ND	5,999	6,419	ND	ND
7782-44-7	Oxygen	0.079	0.085	11.85	789	845	118,528	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.14	158	169	1,392	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 36

File Name: 2521036A
Description: T-308
Can/Tube#: 706
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 9:35
Date Analyzed: 08/05/25 **Time:** 18:24
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,583	5,974	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.00	735	786	119,984	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	147	157	981	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 37

File Name: 2521037A
Description: T-309
Can/Tube#: 502
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 10:52
Date Analyzed: 08/05/25 **Time:** 18:29
Can Dilution Factor: 1.52

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.577	0.617	ND	5,772	6,176	ND	ND
7782-44-7	Oxygen	0.076	0.081	11.90	759	813	119,046	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	152	163	786	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 38

File Name: 2521038A
Description: T-310
Can/Tube#: 618
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 10:54
Date Analyzed: 08/05/25 **Time:** 18:34
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,684	6,082	ND	ND
7782-44-7	Oxygen	0.075	0.080	11.99	748	800	119,906	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.14	150	160	1,373	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 39

File Name: 2521039A
Description: T-311
Can/Tube#: 182
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 10:46
Date Analyzed: 08/05/25 **Time:** 18:39
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,630	6,024	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.12	741	793	121,244	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	148	159	852	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 40

File Name: 2521040A
Description: T-312
Can/Tube#: 545
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 10:43
Date Analyzed: 08/05/25 **Time:** 18:45
Can Dilution Factor: 1.52

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,794	6,200	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.09	762	816	120,941	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	152	163	837	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 41

File Name: 2521041A
Description: T-313
Can/Tube#: 661
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 10:48
Date Analyzed: 08/05/25 **Time:** 18:50
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.574	0.614	ND	5,737	6,139	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.01	755	808	120,142	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	151	162	940	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 42

File Name: 2521042A
Description: T-314
Can/Tube#: 603
QC_Batch: 08025-GCO

Date Sampled: 07/17/25 **Time:** 11:22
Date Analyzed: 08/05/25 **Time:** 18:55
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,643	6,038	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.65	743	795	116,461	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 43

File Name: 2521043A
Description: T-401
Can/Tube#: 882
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 8:06
Date Analyzed: 08/05/25 **Time:** 19:00
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.553	0.592	ND	5,526	5,912	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.44	727	778	124,396	
630-08-0	Carbon Monoxide	0.015	0.016	ND	145	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.06	145	156	588	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 44

File Name: 2521044A
Description: T-402
Can/Tube#: 505
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 8:11
Date Analyzed: 08/05/25 **Time:** 19:05
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,412	5,791	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.33	712	762	123,325	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.06	142	152	644	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 45

File Name: 2521045A
Description: T-403
Can/Tube#: 647
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 8:13
Date Analyzed: 08/05/25 **Time:** 19:10
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.555	0.594	ND	5,551	5,940	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.11	730	782	121,079	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	146	156	353	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 46

File Name: 2521046A
Description: T-404
Can/Tube#: 698
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 8:08
Date Analyzed: 08/05/25 **Time:** 19:16
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.543	0.581	ND	5,430	5,810	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.40	715	765	124,047	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.06	143	153	586	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 47

File Name: 2521047A
Description: T-405
Can/Tube#: 673
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:15
Date Analyzed: 08/05/25 **Time:** 19:20
Can Dilution Factor: 1.60

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.608	0.651	ND	6,081	6,507	ND	ND
7782-44-7	Oxygen	0.080	0.086	12.13	800	856	121,272	
630-08-0	Carbon Monoxide	0.016	0.017	ND	160	171	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.04	160	171	362	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 48

File Name: 2521048A
Description: T-406
Can/Tube#: 549
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:04
Date Analyzed: 08/05/25 **Time:** 19:26
Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.547	0.585	ND	5,473	5,856	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.11	720	771	121,130	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	154	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.05	144	154	480	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 49

File Name: 2521049A
Description: T-407
Can/Tube#: 778
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:10
Date Analyzed: 08/05/25 **Time:** 19:31
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,560	5,949	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.23	732	783	122,332	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.04	146	157	351	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 50

File Name: 2521050A
Description: T-408
Can/Tube#: 837
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:13
Date Analyzed: 08/05/25 **Time:** 19:37
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,635	6,030	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.21	741	793	122,092	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	148	159	899	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 51

File Name: 2521051A
Description: T-409
Can/Tube#: 766
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:16
Date Analyzed: 08/05/25 **Time:** 19:42
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.560	0.599	ND	5,598	5,990	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.12	737	788	121,221	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.09	147	158	937	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 52

File Name: 2521052A
Description: T-410
Can/Tube#: 701
QC_Batch: 08025-GCO

Date Sampled: 07/18/25 **Time:** 9:42
Date Analyzed: 08/05/25 **Time:** 19:47
Can Dilution Factor: 1.27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.483	0.517	ND	4,828	5,166	ND	ND
7782-44-7	Oxygen	0.064	0.068	12.71	635	680	127,066	
630-08-0	Carbon Monoxide	0.013	0.014	ND	127	136	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	127	136	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 53

File Name: 2521053A
Description: T-501
Can/Tube#: 638
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 10:17
Date Analyzed: 08/05/25 **Time:** 19:52
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.545	0.583	ND	5,445	5,826	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.40	716	767	123,988	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	143	153	165	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 54

File Name: 2521054A
Description: T-502
Can/Tube#: 417
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 10:22
Date Analyzed: 08/05/25 **Time:** 19:58
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.571	0.611	ND	5,709	6,108	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.27	751	804	122,652	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	150	161	333	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 55

File Name: 2521055A
Description: T-503
Can/Tube#: 792
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 10:15
Date Analyzed: 08/05/25 **Time:** 20:03
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.540	0.578	ND	5,404	5,782	ND	ND
7782-44-7	Oxygen	0.071	0.076	12.35	711	761	123,489	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	142	152	155	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 56

File Name: 2521056A
Description: T-504
Can/Tube#: 552
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 10:26
Date Analyzed: 08/05/25 **Time:** 20:09
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.565	0.605	ND	5,650	6,046	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.69	743	795	116,855	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.05	149	159	522	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 57

File Name: 2521057A
Description: T-505
Can/Tube#: 704
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:26
Date Analyzed: 08/05/25 **Time:** 20:14
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.554	0.593	ND	5,535	5,923	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.36	728	779	123,596	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.02	146	156	193	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210
Analytical Method: D1945
Laboratory Number: 58

File Name: 2521058A
Description: T-506
Can/Tube#: 895
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:21
Date Analyzed: 08/05/25 **Time:** 20:20
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.544	0.582	ND	5,442	5,823	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.37	716	766	123,721	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.02	143	153	210	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 59

File Name: 2521059A
Description: T-507
Can/Tube#: 856
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:24
Date Analyzed: 08/05/25 **Time:** 20:25
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.559	0.598	ND	5,588	5,979	ND	ND
7782-44-7	Oxygen	0.074	0.079	11.24	735	787	112,408	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	147	157	254	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 60

File Name: 2521060A
Description: T-508
Can/Tube#: 877
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:21
Date Analyzed: 08/05/25 **Time:** 20:30
Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.604	0.646	ND	6,037	6,459	ND	ND
7782-44-7	Oxygen	0.079	0.085	12.15	794	850	121,508	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	0.03	159	170	258	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 61

File Name: 2521061A
Description: T-509
Can/Tube#: 640
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:27
Date Analyzed: 08/05/25 **Time:** 20:36
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.576	0.616	ND	5,757	6,160	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.21	757	810	122,145	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	162	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.03	151	162	327	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 62

File Name: 2521062A
Description: T-510
Can/Tube#: 688
QC_Batch: 08025-GCO

Date Sampled: 07/22/25 **Time:** 11:48
Date Analyzed: 08/05/25 **Time:** 20:41
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.583	0.624	ND	5,832	6,241	ND	ND
7782-44-7	Oxygen	0.077	0.082	12.32	767	821	123,167	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	153	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 63

File Name: 2521063A
Description: T-601
Can/Tube#: 506
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 7:50
Date Analyzed: 08/05/25 **Time:** 20:47
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.551	0.590	ND	5,508	5,894	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.35	725	776	123,540	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.07	145	155	741	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 64

File Name: 2521064A
Description: T-602
Can/Tube#: 642
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 7:55
Date Analyzed: 08/05/25 **Time:** 20:52
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.519	0.555	ND	5,186	5,549	ND	ND
7782-44-7	Oxygen	0.068	0.073	12.50	682	730	124,994	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.10	136	146	1,031	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 65

File Name: 2521065A
Description: T-603
Can/Tube#: 990
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 7:49
Date Analyzed: 08/05/25 **Time:** 20:57
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,636	6,031	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.34	742	794	123,387	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.11	148	159	1,055	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 66

File Name: 2521066A
Description: T-604
Can/Tube#: 858
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 7:56
Date Analyzed: 08/05/25 **Time:** 21:03
Can Dilution Factor: 1.52

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.579	0.620	ND	5,791	6,197	ND	ND
7782-44-7	Oxygen	0.076	0.081	12.04	762	815	120,368	
630-08-0	Carbon Monoxide	0.015	0.016	ND	152	163	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	152	163	988	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 67

File Name: 2521067A
Description: T-605
Can/Tube#: 847
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 9:03
Date Analyzed: 08/05/25 **Time:** 21:08
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.556	0.595	ND	5,558	5,947	ND	ND
7782-44-7	Oxygen	0.073	0.078	12.41	731	783	124,131	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.08	146	157	820	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210
Analytical Method: D1945
Laboratory Number: 68

File Name: 2521068A
Description: T-606
Can/Tube#: 803
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 9:06
Date Analyzed: 08/05/25 **Time:** 21:13
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,638	6,032	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.15	742	794	121,495	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.10	148	159	1,017	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 69

File Name: 2521069A
Description: T-607
Can/Tube#: 899
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 9:08
Date Analyzed: 08/05/25 **Time:** 21:19
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.566	0.606	ND	5,655	6,051	ND	ND
7782-44-7	Oxygen	0.074	0.079	12.39	744	796	123,889	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	149	159	1,271	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 70

File Name: 2521070A
Description: T-608
Can/Tube#: 730
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 8:50
Date Analyzed: 08/05/25 **Time:** 21:24
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.545	0.583	ND	5,445	5,826	ND	ND
7782-44-7	Oxygen	0.072	0.077	12.52	716	767	125,211	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.13	143	153	1,295	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 225210
Laboratory Number: 71

File Name: 2521071A
Description: T-609
Can/Tube#: 675
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 9:03
Date Analyzed: 08/05/25 **Time:** 21:30
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.567	0.607	ND	5,670	6,067	ND	ND
7782-44-7	Oxygen	0.075	0.080	12.39	746	798	123,882	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.14	149	160	1,405	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 225210
Analytical Method: D1945
Laboratory Number: 72

File Name: 2521072A
Description: T-610
Can/Tube#: 753
QC_Batch: 08025-GCO

Date Sampled: 07/23/25 **Time:** 9:31
Date Analyzed: 08/05/25 **Time:** 21:35
Can Dilution Factor: 1.86

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.706	0.755	ND	7,063	7,558	ND	ND
7782-44-7	Oxygen	0.093	0.100	11.81	929	994	118,087	
630-08-0	Carbon Monoxide	0.019	0.020	ND	186	199	ND	ND
124-38-9	Carbon Dioxide	0.019	0.020	ND	186	199	ND	ND

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon - Methane

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

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

Project Number: 17807
Sample Event Date: 7/15,7/16,7/17,7/
Received Date: 7/18/2025
Report Date: 8/11/2025

Project Number:
PO Number:

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

Laboratory Work Order

SDG Number: 225210
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/18/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

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

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

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T-111	225210 11	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-111	225210 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-112	225210 12	ASTM D1945 Hydrogen	7/15/2025
T-112	225210 12	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-112	225210 12	ASTM D3416 Low Level Methane	7/15/2025
T-112	225210 12	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-113	225210 13	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-113	225210 13	ASTM D3416 Low Level Methane	7/15/2025
T-113	225210 13	ASTM D1945 Hydrogen	7/15/2025
T-113	225210 13	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/15/2025
T-114	225210 14	ASTM D1945 Hydrogen	7/15/2025
T-114	225210 14	ASTM D1945 Permanent Gas Analysis	7/15/2025
T-114	225210 14	ASTM D3416 Low Level Methane	7/15/2025
T-114	225210 14	EPA TO-12 C2 to C12 CRYO	7/15/2025
T-201	225210 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-201	225210 15	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-201	225210 15	ASTM D1945 Hydrogen	7/16/2025
T-201	225210 15	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-201	225210 15	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	ASTM D1945 Hydrogen	7/16/2025
T-202	225210 16	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-202	225210 16	ASTM D3416 Low Level Methane	7/16/2025
T-202	225210 16	EPA TO-12 C2 to C12 CRYO	7/16/2025
T-202	225210 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D1945 Permanent Gas Analysis	7/16/2025
T-203	225210 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/16/2025
T-203	225210 17	ASTM D3416 Low Level Methane	7/16/2025

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

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

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

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

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T-313	225210 41	ASTM D1945 Hydrogen	7/17/2025
T-313	225210 41	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	ASTM D1945 Permanent Gas Analysis	7/17/2025
T-314	225210 42	ASTM D3416 Low Level Methane	7/17/2025
T-314	225210 42	EPA TO-12 C2 to C12 CRYO	7/17/2025
T-314	225210 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/17/2025
T-314	225210 42	ASTM D1945 Hydrogen	7/17/2025
T-401	225210 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-401	225210 43	ASTM D1945 Hydrogen	7/18/2025
T-401	225210 43	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-401	225210 43	ASTM D3416 Low Level Methane	7/18/2025
T-401	225210 43	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-402	225210 44	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-402	225210 44	ASTM D3416 Low Level Methane	7/18/2025
T-402	225210 44	ASTM D1945 Hydrogen	7/18/2025
T-402	225210 44	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D1945 Hydrogen	7/18/2025
T-403	225210 45	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-403	225210 45	ASTM D3416 Low Level Methane	7/18/2025
T-403	225210 45	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-403	225210 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	ASTM D1945 Hydrogen	7/18/2025
T-404	225210 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-404	225210 46	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-404	225210 46	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-404	225210 46	ASTM D3416 Low Level Methane	7/18/2025
T-405	225210 47	ASTM D1945 Hydrogen	7/18/2025
T-405	225210 47	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-405	225210 47	ASTM D3416 Low Level Methane	7/18/2025

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T-405	225210 47	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-405	225210 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-406	225210 48	ASTM D1945 Hydrogen	7/18/2025
T-406	225210 48	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-406	225210 48	ASTM D3416 Low Level Methane	7/18/2025
T-406	225210 48	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-407	225210 49	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-407	225210 49	ASTM D3416 Low Level Methane	7/18/2025
T-407	225210 49	ASTM D1945 Hydrogen	7/18/2025
T-407	225210 49	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-408	225210 50	ASTM D1945 Hydrogen	7/18/2025
T-408	225210 50	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-408	225210 50	ASTM D3416 Low Level Methane	7/18/2025
T-408	225210 50	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-409	225210 51	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-409	225210 51	ASTM D1945 Hydrogen	7/18/2025
T-409	225210 51	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-409	225210 51	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	ASTM D1945 Hydrogen	7/18/2025
T-410	225210 52	ASTM D1945 Permanent Gas Analysis	7/18/2025
T-410	225210 52	ASTM D3416 Low Level Methane	7/18/2025
T-410	225210 52	EPA TO-12 C2 to C12 CRYO	7/18/2025
T-410	225210 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/18/2025
T-501	225210 53	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-501	225210 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-501	225210 53	ASTM D3416 Low Level Methane	7/22/2025

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T-501	225210 53	ASTM D1945 Hydrogen	7/22/2025
T-501	225210 53	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-502	225210 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-502	225210 54	ASTM D1945 Hydrogen	7/22/2025
T-502	225210 54	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-502	225210 54	ASTM D3416 Low Level Methane	7/22/2025
T-502	225210 54	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-503	225210 55	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-503	225210 55	ASTM D1945 Hydrogen	7/22/2025
T-503	225210 55	ASTM D3416 Low Level Methane	7/22/2025
T-503	225210 55	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D1945 Hydrogen	7/22/2025
T-504	225210 56	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-504	225210 56	ASTM D3416 Low Level Methane	7/22/2025
T-504	225210 56	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-504	225210 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-505	225210 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-505	225210 57	ASTM D3416 Low Level Methane	7/22/2025
T-505	225210 57	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-505	225210 57	ASTM D1945 Hydrogen	7/22/2025
T-506	225210 58	ASTM D1945 Permanent Gas Analysis	7/22/2025
T-506	225210 58	ASTM D3416 Low Level Methane	7/22/2025
T-506	225210 58	EPA TO-12 C2 to C12 CRYO	7/22/2025
T-506	225210 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-506	225210 58	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2025
T-507	225210 59	ASTM D1945 Hydrogen	7/22/2025
T-507	225210 59	ASTM D1945 Permanent Gas Analysis	7/22/2025

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

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

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

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is 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
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

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

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

Laboratory Case Narrative

EAS SDG Number: 225210 **Project Number:** 17807

Client: C.E. Schmidt

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

Sample Control Narrative

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

Analytical Methods

The methods used for sample analysis are listed on the 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: 8/11/2025

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

225210 17807 COPY

TO-15 Day 1

CE Schmidt, PhD, Environmental Consultant

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 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com
Project Manager *Pat Sullivan*	
Requested Completion Date	

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 PID (TNMHC)	TO-14 PID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
01	7/15/2025	837		x	T - 101	935	1		x		x	x	x	x	x	-29	0	697
02	7/15/2025	838		x	T - 102	850	1		x		x	x	x	x	x	-29	0	695
03	7/15/2025	916		x	T - 103	823	1		x		x	x	x	x	x	-29	0	714
04	7/15/2025	935		x	T - 104	881	1		x		x	x	x	x	x	-29	0	701
05	7/15/2025	1005		x	T - 105	756	1		x		x	x	x	x	x	-29	0	687
06	7/15/2025	955		x	T - 106	634	1		x		x	x	x	x	x	-29	0	692
07	7/15/2025	1006		x	T - 107	882	1		x		x	x	x	x	x	-29	0	676
08	7/15/2025	955		x	T - 108	553	1		x		x	x	x	x	x	-29	0	681
09	7/15/2025	1105		x	T - 109	605	1		x		x	x	x	x	x	-29	0	690
10	7/15/2025	1055		x	T - 110	738	1		x		x	x	x	x	x	-29	0	676
11	7/15/2025	1106		x	T - 111	768	1		x		x	x	x	x	x	-29	0	672
12	7/15/2025	1116		x	T - 112	891	1		x		x	x	x	x	x	-29	0	676
13	7/15/2025	1120		x	T - 113	692	1		x		x	x	x	x	x	-29	0	685
14	7/15/2025	1144		x	T - 114	657	1		x		x	x	x	x	x	-29	0	712

Sampler: CE Schmidt	Date/Time: 7/16/25 1153	Relinquished by: CE Schmidt	Date/Time: 7/15/25 1153
Recieved by: [illegible]	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory:	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D1

000784 of 001148

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

Chain of Custody Record — COPY

| | | |

COPY

TO-15 Day 3

CE Schmidt, PhD, Environmental Consultant
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 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 E-Mail: SCHMIDTCE@aol.com
Project Manager *Pat Sullivan*	
Requested Completion Date	

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
29	7/17/2025	911		x	T - 301	904	1		x		x	x	x	x	x	-29	0	703
30	7/17/2025	922		x	T - 302	718	1		x		x	x	x	x	x	-29	0	699
31	7/17/2025	825		x	T - 303	880	1		x		x	x	x	x	x	-29	0	709
32	7/17/2025	805		x	T - 304	673	1		x		x	x	x	x	x	-29	0	718
33	7/17/2025	942		x	T - 305	700	1		x		x	x	x	x	x	-29	0	678
34	7/17/2025	950		x	T - 306	860	1		x		x	x	x	x	x	-29	0	689
35	7/17/2025	936		x	T - 307	760	1		x		x	x	x	x	x	-29	0	680
36	7/17/2025	935		x	T - 308	706	1		x		x	x	x	x	x	-29	0	685
37	7/17/2025	1052		x	T - 309	502	1		x		x	x	x	x	x	-29	0	674
38	7/17/2025	1054		x	T - 310	668	1		x		x	x	x	x	x	-29	0	678
39	7/17/2025	1041		x	T - 311	152	1		x		x	x	x	x	x	-29	0	688
40	7/17/2025	1043		x	T - 312	515	1		x		x	x	x	x	x	-29	0	680
41	7/17/2025	1028		x	T - 313	661	1		x		x	x	x	x	x	-29	0	679
42	7/17/2025	1122		x	T - 314	603	1		x		x	x	x	x	x	-29	0	768

Sampler: CESchmidt	Date/Time: 7/17/25 1130	Relinquished by: CE Schmidt	Date/Time: 7/18/25 1130
Recieved by: CES	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

000786 of 001148

TO-15 Day 4

COPY

CE Schmidt, Ph.D., Environmental Consultant

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	Sample Container: Can	Sample Container: 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
43	7/18/2025	830		X	T - 401	882	1		X		X	X	X	X	X	-29	0	702
44	7/18/2025	841		X	T - 402	505	1		X		X	X	X	X	X	-29	0	709
45	7/18/2025	915		X	T - 403	647	1		X		X	X	X	X	X	-29	0	707
46	7/18/2025	808		X	T - 404	698	1		X		X	X	X	X	X	-29	0	708
47	7/18/2025	945		X	T - 405	693	1		X		X	X	X	X	X	-29	0	682
48	7/18/2025	904		X	T - 406	579	1		X		X	X	X	X	X	-29	0	695
49	7/18/2025	910		X	T - 407	718	1		X		X	X	X	X	X	-29	0	694
50	7/18/2025	913		X	T - 408	837	1		X		X	X	X	X	X	-29	0	687
51	7/18/2025	916		X	T - 409	726	1		X		X	X	X	X	X	-29	0	694
52	7/18/2025	922		X	T - 410	701	1		X		X	X	X	X	X	-29	0	844

Sampler: CE Schmidt	Date/Time: 7/18/25 1000	Relinquished by: CE Schmidt	Date/Time: 7/18/25 1600
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time 07/18/25 1715	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 D4

CE Schmidt, Ph.., Environmental Consultant

TO-.. Day 5

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 562-743-7095*
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*

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Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (FL List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
53	7/22/2025	1017		x	T - 501	638	1		x		x	x	x	x	x	-27	0	718
54	7/22/2025	1022		x	T - 502	477	1		x		x	x	x	x	x	-25	0	716
55	7/22/2025	1015		x	T - 503	792	1		x		x	x	x	x	x	-29	0	714
56	7/22/2025	1026		x	T - 504	552	1		x		x	x	x	x	x	-29	0	716
57	7/22/2025	1126		x	T - 505	707	1		x		x	x	x	x	x	-29	0	709
58	7/22/2025	1121		x	T - 506	895	1		x		x	x	x	x	x	-29	0	760
59	7/22/2025	1124		x	T - 507	656	1		x		x	x	x	x	x	-29	0	703
60	7/22/2025	1124		x	T - 508	877	1		x		x	x	x	x	x	-29	0	705
61	7/22/2025	1127		x	T - 509	690	1		x		x	x	x	x	x	-29	0	699
62	7/22/2025	1148		x	T - 510	688	1		x		x	x	x	x	x	-29	0	733

Sampler: CES/HMM/AT	Date/Time: 7/22/25 1200	Relinquished by: CES/HMM/AT	Date/Time: 7/22/25 1200
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: [illegible]	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

TO- Day 6

CE Schmidt, Ph.., Environmental Consultant

Chain of Custody Record

COPY

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
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
Project Manager *Pat Sullivan*	
Requested Completion Date	

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	Sample Container: Can	Sample Container: 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
63	7/23/2025	1150		X	T - 601	506	1		X		X	X	X	X	X	-29	0	718
64	7/23/2025	1155		X	T - 602	642	1		X		X	X	X	X	X	-29	0	718
65	7/23/2025	1159		X	T - 603	910	1		X		X	X	X	X	X	-26	0	720
66	7/23/2025	1156		X	T - 604	858	1		X		X	X	X	X	X	-29	0	708
67	7/23/2025	1203		X	T - 605	847	1		X		X	X	X	X	X	-29	0	707
68	7/23/2025	1206		X	T - 606	803	1		X		X	X	X	X	X	-29	0	695
69	7/23/2025	1208		X	T - 607	859	1		X		X	X	X	X	X	-29	0	701
70	7/23/2025	1150		X	T - 608	730	1		X		X	X	X	X	X	-29	0	713
71	7/23/2025	1203		X	T - 609	625	1		X		X	X	X	X	X	-29	0	708
72	7/23/2025	1231		X	T - 610	753	1		X		X	X	X	X	X	-29	0	681

Sampler: CE Schmidt	Date/Time: 7/23/25 1100	Relinquished by: CE Schmidt	Date/Time: 7/23/25 1100
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by:	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: Lauren Somelofe	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D6

Quality Control Report

EAS SDG Number: 225210

Project Number: 17807

QC Narrative

Samples were 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.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B08055

File Name: B08055A
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 080525-GCL

Date Sampled: **Time:**
Date Analyzed: 08/05/25 **Time:** 14:55
Dilution Factor: 1.00

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B08085

File Name: B08085A
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 080525-GCL

Date Sampled:
Date Analyzed: 08/08/25
Dilution Factor: 1.00

Time:
Time: 13:15

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID
Analytical Method: **ASTM D3416**

Date: 08/05/25
QC_Batch: 080525-GCL

		LCS Recovery		LCD Recovery		Spike Limit LCL	Spike Limit UCL	Duplicate	Duplicate Limit	
CAS#	Compound	%	Flag	%	Flag	%	%	%	%	Flag
74-82-8	Methane	84		86		70	130	2	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID
Analytical Method: **ASTM D3416**

Date: 08/08/25
QC_Batch: 080825-GCL

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
74-82-8	Methane	90		86		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

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

NELAC CERTIFICATION

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

DETECTION LIMITS

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

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

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 01

File Name: 2521001A
Description: T-101
Can/Tube#: 735
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 8:37
Date Analyzed: 08/05/25 **Time:** 15:08
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	4.58	0.50	1.50	3.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 02

File Name: 2521002A
Description: T-102
Can/Tube#: 650
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 8:38
Date Analyzed: 08/05/25 **Time:** 15:13
Dilution Factor: 1.55

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.32	2.38	0.51	1.52	1.56	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 03

File Name: 2521003A
Description: T-103
Can/Tube#: 823
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 8:16
Date Analyzed: 08/05/25 **Time:** 15:19
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	46.45	0.49	1.46	30.46	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 04

File Name: 2521004A
Description: T-104
Can/Tube#: 881
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 8:05
Date Analyzed: 08/05/25 **Time:** 15:25
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	3,443.00	0.50	1.50	2,257.71	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 05

File Name: 2521005A
Description: T-105
Can/Tube#: 756
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 10:05
Date Analyzed: 08/05/25 **Time:** 15:30
Dilution Factor: 1.57

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.36	ND	0.52	1.55	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 06

File Name: 2521006A
Description: T-106
Can/Tube#: 634
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 08/05/25 **Time:** 15:36
Dilution Factor: 1.58

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.37	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 07

File Name:	2521007A	**Date Sampled:**	07/15/25	**Time:**	10:06
Description:	T-107	**Date Analyzed:**	08/05/25	**Time:**	15:43
Can/Tube#:	802	**Dilution Factor:**	1.49		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	1.62	0.49	1.46	1.06	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 08

File Name:	2521008A	**Date Sampled:**	07/15/25	**Time:**	9:55
Description:	T-108	**Date Analyzed:**	08/05/25	**Time:**	15:48
Can/Tube#:	553	**Dilution Factor:**	1.47		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	51.86	0.48	1.45	34.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 09

File Name:	2521009A	**Date Sampled:**	07/15/25	**Time:**	11:05
Description:	T-109	**Date Analyzed:**	08/05/25	**Time:**	15:54
Can/Tube#:	605	**Dilution Factor:**	1.56		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.78	2.34	ND	0.51	1.53	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 10

File Name: 2521010A
Description: T-110
Can/Tube#: 738
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 10:55
Date Analyzed: 08/05/25 **Time:** 15:59
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 11

File Name: 2521011A
Description: T-111
Can/Tube#: 768
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 11:06
Date Analyzed: 08/05/25 **Time:** 16:05
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	2.34	0.49	1.47	1.54	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 12

File Name: 2521012A
Description: T-112
Can/Tube#: 897
QC_Batch: 080525-GCL

Date Sampled: 07/15/25 **Time:** 11:16
Date Analyzed: 08/05/25 **Time:** 16:18
Dilution Factor: 1.82

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.91	2.74	ND	0.60	1.79	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 13

File Name:	2521013A	**Date Sampled:**	07/15/25	**Time:**	11:20
Description:	T-113	**Date Analyzed:**	08/05/25	**Time:**	16:20
Can/Tube#:	692	**Dilution Factor:**	1.47		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	199.16	0.48	1.44	130.60	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 14

File Name:	2521014A	**Date Sampled:**	07/15/25	**Time:**	11:44
Description:	T-114	**Date Analyzed:**	08/05/25	**Time:**	16:25
Can/Tube#:	657	**Dilution Factor:**	1.59		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.38	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 15

File Name: 2521015A
Description: T-201
Can/Tube#: 846
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 8:24
Date Analyzed: 08/05/25 **Time:** 16:31
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 16

File Name: 2521016A
Description: T-202
Can/Tube#: 764
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 8:28
Date Analyzed: 08/05/25 **Time:** 16:37
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	9.40	0.48	1.44	6.16	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 17

File Name: 2521017A
Description: T-203
Can/Tube#: 690
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 8:16
Date Analyzed: 08/05/25 **Time:** 16:42
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.03	ND	0.44	1.33	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 18

File Name:	2521018A	**Date Sampled:**	07/16/25	**Time:**	8:21
Description:	T-204	**Date Analyzed:**	08/05/25	**Time:**	16:47
Can/Tube#:	531	**Dilution Factor:**	1.46		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	ND	0.48	1.43	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 19

File Name: 2521019A
Description: T-205
Can/Tube#: 749
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 9:24
Date Analyzed: 08/05/25 **Time:** 16:53
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 20

File Name:	2521020A	**Date Sampled:**	07/16/25	**Time:**	9:32
Description:	T-206	**Date Analyzed:**	08/05/25	**Time:**	16:58
Can/Tube#:	779	**Dilution Factor:**	1.48		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 21

File Name: 2521021A
Description: T-207
Can/Tube#: 672
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 9:31
Date Analyzed: 08/05/25 **Time:** 17:04
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 22

File Name: 2521022A
Description: T-208
Can/Tube#: 677
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 9:40
Date Analyzed: 08/05/25 **Time:** 16:17
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 23

File Name: 2521023A
Description: T-209
Can/Tube#: 509
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 11:05
Date Analyzed: 08/05/25 **Time:** 17:15
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 24

File Name: 2521024A
Description: T-210
Can/Tube#: 712
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 10:54
Date Analyzed: 08/05/25 **Time:** 17:20
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	ND	0.48	1.44	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 25

File Name: 2521025A
Description: T-211
Can/Tube#: 654
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 10:59
Date Analyzed: 08/05/25 **Time:** 17:25
Dilution Factor: 1.63

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.81	2.44	ND	0.53	1.60	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 26

File Name:	2521026A	**Date Sampled:**	07/16/25	**Time:**	11:00
Description:	T-212	**Date Analyzed:**	08/05/25	**Time:**	17:31
Can/Tube#:	729	**Dilution Factor:**	1.50		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 27

File Name:	2521027A	**Date Sampled:**	07/16/25	**Time:**	11:06
Description:	T-213	**Date Analyzed:**	08/05/25	**Time:**	17:36
Can/Tube#:	503	**Dilution Factor:**	1.49		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	ND	0.49	1.47	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 28

File Name: 2521028A
Description: T-214
Can/Tube#: 669
QC_Batch: 080525-GCL

Date Sampled: 07/16/25 **Time:** 11:30
Date Analyzed: 08/05/25 **Time:** 17:42
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 29

File Name:	2521029A	**Date Sampled:**	07/17/25	**Time:**	8:11
Description:	T-301	**Date Analyzed:**	08/05/25	**Time:**	17:47
Can/Tube#:	504	**Dilution Factor:**	1.47		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	1.38	0.48	1.45	0.90	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 30

File Name: 2521030A
Description: T-302
Can/Tube#: 718
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 8:22
Date Analyzed: 08/05/25 **Time:** 17:53
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	87.40	0.48	1.45	57.31	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 31

File Name: 2521031A
Description: T-303
Can/Tube#: 800
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 8:25
Date Analyzed: 08/05/25 **Time:** 17:58
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	1.30	0.44	1.31	0.85	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 32

File Name:	2521032A	**Date Sampled:**	07/17/25	**Time:**	8:05
Description:	T-304	**Date Analyzed:**	08/05/25	**Time:**	18:04
Can/Tube#:	643	**Dilution Factor:**	1.44		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.16	0.72	0.47	1.42	0.48	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 33

File Name: 2521033A
Description: T-305
Can/Tube#: 700
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 9:42
Date Analyzed: 08/05/25 **Time:** 18:09
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	1.59	0.49	1.48	1.05	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 34

File Name: 2521034A
Description: T-306
Can/Tube#: 860
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 9:40
Date Analyzed: 08/05/25 **Time:** 18:14
Dilution Factor: 1.56

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.78	2.34	338.87	0.51	1.53	222.21	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 35

File Name:	2521035A	**Date Sampled:**	07/17/25	**Time:**	9:36
Description:	T-307	**Date Analyzed:**	08/05/25	**Time:**	18:20
Can/Tube#:	760	**Dilution Factor:**	1.58		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.37	234.11	0.52	1.55	153.52	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 36

File Name: 2521036A
Description: T-308
Can/Tube#: 706
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 9:35
Date Analyzed: 08/05/25 **Time:** 18:28
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	10.76	0.48	1.45	7.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 37

File Name: 2521037A
Description: T-309
Can/Tube#: 502
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:52
Date Analyzed: 08/05/25 **Time:** 18:34
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.28	0.87	0.50	1.49	0.57	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 38

File Name: 2521038A
Description: T-310
Can/Tube#: 618
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:54
Date Analyzed: 08/05/25 **Time:** 18:40
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	1.36	0.49	1.47	0.89	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 39

File Name: 2521039A
Description: T-311
Can/Tube#: 182
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:46
Date Analyzed: 08/05/25 **Time:** 18:46
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1.47	0.49	1.46	0.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 40

File Name: 2521040A
Description: T-312
Can/Tube#: 545
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:43
Date Analyzed: 08/05/25 **Time:** 18:54
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	ND	0.50	1.50	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 41

File Name: 2521041A
Description: T-313
Can/Tube#: 661
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 10:48
Date Analyzed: 08/05/25 **Time:** 18:59
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 42

File Name: 2521042A
Description: T-314
Can/Tube#: 603
QC_Batch: 080525-GCL

Date Sampled: 07/17/25 **Time:** 11:22
Date Analyzed: 08/05/25 **Time:** 19:05
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 43

File Name: 2521043A
Description: T-401
Can/Tube#: 882
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:06
Date Analyzed: 08/05/25 **Time:** 19:11
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	1.77	0.48	1.43	1.16	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 44

File Name: 2521044A
Description: T-402
Can/Tube#: 505
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:11
Date Analyzed: 08/05/25 **Time:** 19:16
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	3.32	0.47	1.40	2.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 45

File Name: 2521045A
Description: T-403
Can/Tube#: 647
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:13
Date Analyzed: 08/05/25 **Time:** 19:21
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	ND	0.48	1.44	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 46

File Name: 2521046A
Description: T-404
Can/Tube#: 698
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 8:08
Date Analyzed: 08/05/25 **Time:** 19:27
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	2.59	0.47	1.41	1.70	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 47

File Name: 2521047A
Description: T-405
Can/Tube#: 673
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:15
Date Analyzed: 08/05/25 **Time:** 19:32
Dilution Factor: 1.60

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.80	2.40	ND	0.52	1.57	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 48

File Name: 2521048A
Description: T-406
Can/Tube#: 549
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:04
Date Analyzed: 08/05/25 **Time:** 19:38
Dilution Factor: 1.44

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.16	1.01	0.47	1.42	0.66	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 49

File Name: 2521049A
Description: T-407
Can/Tube#: 778
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:10
Date Analyzed: 08/05/25 **Time:** 19:43
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	6.78	0.48	1.44	4.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 50

File Name: 2521050A
Description: T-408
Can/Tube#: 837
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:13
Date Analyzed: 08/05/25 **Time:** 19:48
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	275.25	0.49	1.46	180.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 51

File Name: 2521051A
Description: T-409
Can/Tube#: 766
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:16
Date Analyzed: 08/05/25 **Time:** 19:54
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	272.97	0.48	1.45	179.00	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 52

File Name: 2521052A
Description: T-410
Can/Tube#: 701
QC_Batch: 080525-GCL

Date Sampled: 07/18/25 **Time:** 9:42
Date Analyzed: 08/05/25 **Time:** 19:59
Dilution Factor: 1.27

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.91	ND	0.42	1.25	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 53

File Name:	2521053A	**Date Sampled:**	07/22/25	**Time:**	10:17
Description:	T-501	**Date Analyzed:**	08/05/25	**Time:**	20:05
Can/Tube#:	638	**Dilution Factor:**	1.43		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 54

File Name: 2521054A
Description: T-502
Can/Tube#: 417
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 **Time:** 10:22
Date Analyzed: 08/05/25 **Time:** 20:10
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 55

File Name:	2521055A	**Date Sampled:**	07/22/25	**Time:**	10:15
Description:	T-503	**Date Analyzed:**	08/05/25	**Time:**	20:15
Can/Tube#:	792	**Dilution Factor:**	1.42		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 56

File Name:	2521056A	**Date Sampled:**	07/22/25	**Time:**	10:26
Description:	T-504	**Date Analyzed:**	08/05/25	**Time:**	20:21
Can/Tube#:	552	**Dilution Factor:**	1.49		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 57

File Name: 2521057A
Description: T-505
Can/Tube#: 704
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 **Time:** 11:26
Date Analyzed: 08/05/25 **Time:** 20:26
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.18	ND	0.48	1.43	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 58

File Name:	2521058A	**Date Sampled:**	07/22/25	**Time:**	11:21
Description:	T-506	**Date Analyzed:**	08/05/25	**Time:**	20:32
Can/Tube#:	895	**Dilution Factor:**	1.43		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	ND	0.47	1.41	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 59

File Name:	2521059A	**Date Sampled:**	07/22/25	**Time:**	11:24
Description:	T-507	**Date Analyzed:**	08/05/25	**Time:**	20:37
Can/Tube#:	856	**Dilution Factor:**	1.47		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.21	ND	0.48	1.45	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 60

File Name: 2521060A
Description: T-508
Can/Tube#: 877
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 **Time:** 11:21
Date Analyzed: 08/05/25 **Time:** 20:43
Dilution Factor: 1.59

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.38	ND	0.52	1.56	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 61

File Name: 2521061A
Description: T-509
Can/Tube#: 640
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 **Time:** 11:27
Date Analyzed: 08/05/25 **Time:** 20:48
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.27	ND	0.50	1.49	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 62

File Name: 2521062A
Description: T-510
Can/Tube#: 688
QC_Batch: 080525-GCL

Date Sampled: 07/22/25 **Time:** 11:48
Date Analyzed: 08/05/25 **Time:** 20:53
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 63

File Name: 2521063A
Description: T-601
Can/Tube#: 506
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 7:50
Date Analyzed: 08/05/25 **Time:** 20:59
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	1.82	0.48	1.43	1.20	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 64

File Name: 2521064A
Description: T-602
Can/Tube#: 642
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 7:55
Date Analyzed: 08/05/25 **Time:** 21:04
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	1.65	0.45	1.34	1.08	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 65

File Name:	2521065A	**Date Sampled:**	07/23/25	**Time:**	7:49
Description:	T-603	**Date Analyzed:**	08/05/25	**Time:**	21:09
Can/Tube#:	990	**Dilution Factor:**	1.48		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1.39	0.49	1.46	0.91	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 66

File Name: 2521066A
Description: T-604
Can/Tube#: 858
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 7:56
Date Analyzed: 08/05/25 **Time:** 21:15
Dilution Factor: 1.52

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.76	2.29	1.50	0.50	1.50	0.98	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 67

File Name: 2521067A
Description: T-605
Can/Tube#: 847
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 9:03
Date Analyzed: 08/05/25 **Time:** 21:20
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	1.57	0.48	1.44	1.03	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 68

File Name: 2521068A
Description: T-606
Can/Tube#: 803
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 9:06
Date Analyzed: 08/05/25 **Time:** 21:26
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	1.71	0.49	1.46	1.12	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 69

File Name: 2521069A
Description: T-607
Can/Tube#: 899
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 9:08
Date Analyzed: 08/05/25 **Time:** 21:31
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	185.09	0.49	1.46	121.37	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 70

File Name:	2521070A	**Date Sampled:**	07/23/25	**Time:**	8:50
Description:	T-608	**Date Analyzed:**	08/05/25	**Time:**	21:36
Can/Tube#:	730	**Dilution Factor:**	1.43		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.15	348.71	0.47	1.41	228.66	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 71

File Name:	2521071A	**Date Sampled:**	07/23/25	**Time:**	9:03
Description:	T-609	**Date Analyzed:**	08/05/25	**Time:**	21:42
Can/Tube#:	675	**Dilution Factor:**	1.49		
QC_Batch:	080525-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	213.26	0.49	1.47	139.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 225210
Laboratory Number: 72

File Name: 2521072A
Description: T-610
Can/Tube#: 753
QC_Batch: 080525-GCL

Date Sampled: 07/23/25 **Time:** 9:31
Date Analyzed: 08/05/25 **Time:** 21:47
Dilution Factor: 1.86

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.93	2.79	ND	0.61	1.83	ND	

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **225210**

Client Project Manager: Chuck Schmidt

Prepared For:

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

Project Number: 17807
Sample Event Date: 7/15,7/16,7/17,7/
Received Date: 7/18/2025
Report Date: 8/11/2025

Project Number: TO-12FID
PO Number:

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

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

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

Laboratory Work Order

SDG Number: 225210
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/18/2025

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

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

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

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

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

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

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

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

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

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

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

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

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

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

Project Sample Media

SDG Number: 225210

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is 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
225210	1	T-101	735		697	697	1.00
225210	2	T-102	650		695	695	1.00
225210	3	T-103	823		714	714	1.00
225210	4	T-104	881		701	701	1.00
225210	5	T-105	756		687	687	1.00
225210	6	T-106	634		692	692	1.00
225210	7	T-107	802		676	676	1.00
225210	8	T-108	553		681	681	1.00
225210	9	T-109	605		690	690	1.00
225210	10	T-110	738		676	676	1.00
225210	11	T-111	768		672	672	1.00
225210	12	T-112	897		676	676	1.00
225210	13	T-113	692		685	685	1.00
225210	14	T-114	657		712	712	1.00
225210	15	T-201	846		706	706	1.00
225210	16	T-202	764		700	700	1.00
225210	17	T-203	690		716	716	1.00
225210	18	T-204	531		700	700	1.00
225210	19	T-205	749		689	689	1.00
225210	20	T-206	779		699	699	1.00
225210	21	T-207	672		678	678	1.00
225210	22	T-208	677		690	690	1.00
225210	23	T-209	509		680	680	1.00
225210	24	T-210	712		692	692	1.00
225210	25	T-211	654		691	691	1.00

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

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

Laboratory Case Narrative

EAS SDG Number: 225210 **Project Number:** 17807

Client: C.E. Schmidt

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

Sample Control Narrative

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

Analytical Methods

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

Case Narrative

QC Narrative

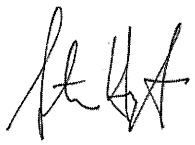
All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

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: 8/11/2025

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

000886 of 001148

225210 17807 COPY

TO-15 Day 1

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

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

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	Sample Container: Can	Sample Container: 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
01	7/15/2025	837		x	T - 101	935	1		x		x	x	x	x	x	-29	0	697
02	7/15/2025	828		x	T - 102	650	1		x		x	x	x	x	x	-29	0	695
03	7/15/2025	816		x	T - 103	823	1		x		x	x	x	x	x	-29	0	714
04	7/15/2025	805		x	T - 104	881	1		x		x	x	x	x	x	-29	0	701
05	7/15/2025	1005		x	T - 105	756	1		x		x	x	x	x	x	-29	0	687
06	7/15/2025	955		x	T - 106	634	1		x		x	x	x	x	x	-29	0	692
07	7/15/2025	1006		x	T - 107	852	1		x		x	x	x	x	x	-29	0	676
08	7/15/2025	955		x	T - 108	553	1		x		x	x	x	x	x	-29	0	681
09	7/15/2025	1105		x	T - 109	605	1		x		x	x	x	x	x	-29	0	690
10	7/15/2025	1055		x	T - 110	738	1		x		x	x	x	x	x	-29	0	676
11	7/15/2025	1106		x	T - 111	768	1		x		x	x	x	x	x	-29	0	672
12	7/15/2025	1116		x	T - 112	897	1		x		x	x	x	x	x	-29	0	676
13	7/15/2025	1120		x	T - 113	692	1		x		x	x	x	x	x	-29	0	685
14	7/15/2025	1144		x	T - 114	657	1		x		x	x	x	x	x	-29	0	712

Sampler: CE SCHMIDT	Date/Time: 7/15/25 1153	Relinquished by: CE SCHMIDT	Date/Time: 7/15/25 1153
Recieved by: STEVE HOYT	Date/Time	Relinquished by	Date/Time
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory:	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

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

000887 of 001148

CE Schmidt, Phd, Environmental Consultant

Chain of Custody Record

TO-15 Day 2

COPY

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

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 PID (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
15	7/16/2025	824		x	T - 201	876	1		x		x	x	x	x	x	-29	0	706
16	7/16/2025	828		x	T - 202	764	1		x		x	x	x	x	x	-29	0	700
17	7/16/2025	836		x	T - 203	690	1		x		x	x	x	x	x	-29	0	716
18	7/16/2025	821		x	T - 204	531	1		x		x	x	x	x	x	-29	0	700
19	7/16/2025	829		x	T - 205	744	1		x		x	x	x	x	x	-29	0	689
20	7/16/2025	932		x	T - 206	779	1		x		x	x	x	x	x	-29	0	699
21	7/16/2025	931		x	T - 207	692	1		x		x	x	x	x	x	-29	0	678
22	7/16/2025	940		x	T - 208	611	1		x		x	x	x	x	x	-29	0	690
23	7/16/2025	1105		x	T - 209	509	1		x		x	x	x	x	x	-29	0	680
24	7/16/2025	1054		x	T - 210	712	1		x		x	x	x	x	x	-29	0	692
25	7/16/2025	1059		x	T - 211	657	1		x		x	x	x	x	x	-25	0	691
26	7/16/2025	1100		x	T - 212	729	1		x		x	x	x	x	x	-29	0	690
27	7/16/2025	1106		x	T - 213	503	1		x		x	x	x	x	x	-29	0	690
28	7/16/2025	1130		x	T - 214	754	1		x		x	x	x	x	x	-29	0	733
mdp																		

Sampler CESchmidt	Date/Time 7/16/25 1130	Relinquished by CE Schmidt	Date/Time 7/16/25 1130
Recieved by EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory [illegible]	Date/Time 07/18/25 1715	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

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

000888 of 001148

COPY

TO-15 Day 3

CE Schmidt, PhD, Environmental Consultant
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 (fList on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
29	7/17/2025	811		x	T - 301	504	1		x		x	x	x	x	x	-29	0	703
30	7/17/2025	822		x	T - 302	718	1		x		x	x	x	x	x	-29	0	699
31	7/17/2025	825		x	T - 303	850	1		x		x	x	x	x	x	-29	0	709
32	7/17/2025	805		x	T - 304	643	1		x		x	x	x	x	x	-29	0	718
33	7/17/2025	942		x	T - 305	700	1		x		x	x	x	x	x	-29	0	678
34	7/17/2025	940		x	T - 306	860	1		x		x	x	x	x	x	-29	0	689
35	7/17/2025	936		x	T - 307	760	1		x		x	x	x	x	x	-29	0	680
36	7/17/2025	935		x	T - 308	706	1		x		x	x	x	x	x	-29	0	685
37	7/17/2025	1052		x	T - 309	532	1		x		x	x	x	x	x	-29	0	674
38	7/17/2025	1054		x	T - 310	618	1		x		x	x	x	x	x	-29	0	678
39	7/17/2025	1041		x	T - 311	152	1		x		x	x	x	x	x	-29	0	688
40	7/17/2025	1043		x	T - 312	545	1		x		x	x	x	x	x	-29	0	682
41	7/17/2025	1048		x	T - 313	661	1		x		x	x	x	x	x	-29	0	679
42	7/17/2025	1122		x	T - 314	603	1		x		x	x	x	x	x	-29	0	768

Sampler: CESchmidt	Date/Time: 7/17/25 1130	Relinquished by: CESchmidt	Date/Time: 7/17/25 1130
Recieved by: ELS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/18/25 1315	Sample Shipped Via: UPS FEDEX BUS Other	

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

Remarks

TO-15 Day 4

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

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CE Schmidt, PhD, Environmental Consultant

TO-15 Day 5

Chain of Custody Record

COPY

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000891 of 001148

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

COPY

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

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	Sample Container: Can	Sample Container: 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
63	7/23/2025	1150		x	T - 601	506	1		x		x	x	x	x	x	-29	0	718
64	7/23/2025	1255		x	T - 602	642	1		x		x	x	x	x	x	-29	0	718
65	7/23/2025	1749		x	T - 603	990	1		x		x	x	x	x	x	-29	0	720
66	7/23/2025	1256		x	T - 604	858	1		x		x	x	x	x	x	-29	0	708
67	7/23/2025	903		x	T - 605	847	1		x		x	x	x	x	x	-29	0	707
68	7/23/2025	906		x	T - 606	803	1		x		x	x	x	x	x	-29	0	695
69	7/23/2025	908		x	T - 607	899	1		x		x	x	x	x	x	-29	2	701
70	7/23/2025	850		x	T - 608	730	1		x		x	x	x	x	x	-29	0	713
71	7/23/2025	903		x	T - 609	675	1		x		x	x	x	x	x	-29	0	708
72	7/23/2025	931		x	T - 610	753	1		x		x	x	x	x	x	-29	0	681

Sampler: OESchmidt	Date/Time: 7/23/25 1100	Relinquished by: OESchmidt	Date/Time: 7/23/25 1100
Recieved by: EAS	Date/Time	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory: Steven Smith	Date/Time: 7/23/25 13:00	Sample Shipped Via: UPS FEDEX BUS Other	

HAZWRAP/NEESA Y N

QC Level 1 2 3

COC

Ana Req

Cust Seal

Sample Condition

Remarks

Quality Control Report

EAS SDG Number: 225210

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-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07215

File Name: B07215B
Description: METHOD BLANK
Canister:
QC_Batch: 072125-GCK

Date Sampled: **Time:**
Date Analyzed: 07/21/25 **Time:** 11:17
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07225

File Name: B07225B
Description: METHOD BLANK
Canister:
QC_Batch: 072225-GCK

Date Sampled:
Date Analyzed: 07/22/25
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 1:22

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons·	7.50	22.50	9.39	26.50	79.49	33.16	J
TNMHC - C1	Total Non-Methane Hydrocarbons·	45.00	135.00	56.32	29.51	88.52	36.93	J

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07235

File Name: B07235B
Description: METHOD BLANK
Canister:
QC_Batch: 072325-GCK

Date Sampled:
Time:
Date Analyzed: 07/23/25
Time: 12:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07245

File Name: B07245B
Description: METHOD BLANK
Canister:
QC_Batch: 072425-GCK

Date Sampled: **Time:**
Date Analyzed: 07/24/25 **Time:** 11:33
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C'	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07255

File Name: B07255B
Description: METHOD BLANK
Canister:
QC_Batch: 072525-GCK

Date Sampled: **Time:**
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID
Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07285

File Name: B07285B
Description: METHOD BLANK
Canister:
QC_Batch: 072825-GCK

Date Sampled:
Date Analyzed: 07/28/25
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 12:01

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07295

File Name: B07295B
Description: METHOD BLANK
Canister:
QC_Batch: 072925-GCK

Date Sampled:
Date Analyzed: 07/29/25
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 10:44

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07305

File Name: B07305B
Description: METHOD BLANK
Canister:
QC_Batch: 073025-GCK

Date Sampled:
Date Analyzed: 07/30/25
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:00

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.31	2.13	6.40	4.19	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072125-GCK
Date: 07/21/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	115		125		70	130	10	25	
110-54-3	n-Hexane	108		109		70	130	1	25	
71-43-2	Benzene	124		117		70	130	6	25	
142-82-5	n-Heptane	112		113		70	130	1	25	
108-88-3	Toluene	109		114		70	130	5	25	
111-65-9	n-Octane	109		111		70	130	2	25	
108-38-3	m,p-xylene	97		107		70	130	10	25	
95-47-6	o-xylene	95		104		70	130	9	25	
108-67-8	1,3,5-Trimethylbenzene	93		111		70	130	18	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072225-GCK
Date: 07/22/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	108		110		70	130	2	25	
110-54-3	n-Hexane	104		104		70	130	1	25	
71-43-2	Benzene	119		118		70	130	1	25	
142-82-5	n-Heptane	104		95		70	130	9	25	
108-88-3	Toluene	95		82		70	130	13	25	
111-65-9	n-Octane	92		85		70	130	7	25	
108-38-3	m,p-xylene	84		75		70	130	8	25	
95-47-6	o-xylene	83		73		70	130	10	25	
108-67-8	1,3,5-Trimethylbenzene	95		84		70	130	11	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072325-GCK
Date: 07/23/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	114		106		70	130	8	25	
110-54-3	n-Hexane	109		103		70	130	6	25	
71-43-2	Benzene	115		119		70	130	4	25	
142-82-5	n-Heptane	109		100		70	130	8	25	
108-88-3	Toluene	96		89		70	130	8	25	
111-65-9	n-Octane	97		89		70	130	8	25	
108-38-3	m,p-xylene	84		77		70	130	8	25	
95-47-6	o-xylene	80		76		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	81		83		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

QC07245A

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

7/24/2025

QC_Batch: 072425-GCK
Date: 07/24/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	112		108		70	130	4	25	
110-54-3	n-Hexane	110		105		70	130	5	25	
71-43-2	Benzene	119		116		70	130	3	25	
142-82-5	n-Heptane	103		102		70	130	1	25	
108-88-3	Toluene	89		88		70	130	2	25	
111-65-9	n-Octane	89		91		70	130	1	25	
108-38-3	m,p-xylene	76		72		70	130	4	25	
95-47-6	o-xylene	75		72		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	83		79		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072525-GCK
Date: 07/25/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	111		111		70	130	0	25	
110-54-3	n-Hexane	109		107		70	130	3	25	
71-43-2	Benzene	118		117		70	130	1	25	
142-82-5	n-Heptane	102		106		70	130	3	25	
108-88-3	Toluene	99		100		70	130	1	25	
111-65-9	n-Octane	92		98		70	130	6	25	
108-38-3	m,p-xylene	88		91		70	130	3	25	
95-47-6	o-xylene	87		90		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	98		102		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072825-GCK
Date: 07/28/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	106		106		70	130	1	25	
110-54-3	n-Hexane	101		99		70	130	3	25	
71-43-2	Benzene	118		124		70	130	6	25	
142-82-5	n-Heptane	98		94		70	130	4	25	
108-88-3	Toluene	88		82		70	130	6	25	
111-65-9	n-Octane	89		86		70	130	3	25	
108-38-3	m,p-xylene	81		80		70	130	2	25	
95-47-6	o-xylene	82		80		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	93		93		70	130	0	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 072925-GCK
Date: 07/29/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	108		108		70	130	0	25	
110-54-3	n-Hexane	108		103		70	130	5	25	
71-43-2	Benzene	118		117		70	130	1	25	
142-82-5	n-Heptane	103		100		70	130	3	25	
108-88-3	Toluene	98		90		70	130	7	25	
111-65-9	n-Octane	100		95		70	130	5	25	
108-38-3	m,p-xylene	92		85		70	130	7	25	
95-47-6	o-xylene	91		85		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	98		88		70	130	10	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 073025-GCK
Date: 07/30/25

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	116		115		70	130	1	25	
110-54-3	n-Hexane	115		111		70	130	4	25	
71-43-2	Benzene	121		120		70	130	1	25	
142-82-5	n-Heptane	114		112		70	130	2	25	
108-88-3	Toluene	108		113		70	130	5	25	
111-65-9	n-Octane	109		114		70	130	6	25	
108-38-3	m,p-xylene	95		111		70	130	15	25	
95-47-6	o-xylene	88		109		70	130	21	25	
108-67-8	1,3,5-Trimethylbenzene	90		103		70	130	13	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 225210

Project Number: 17807

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

NELAC CERTIFICATION

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

DETECTION LIMITS

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

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less 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-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 01

File Name: 2521001A
Description: T-101
Canister: 735
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 8:37
Date Analyzed: 07/21/25 **Time:** 16:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.14	2.47	7.40	3.88	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.44	2.41	7.23	4.41	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.43	2.30	6.90	3.29	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 02

File Name: 2521002A
Description: T-102
Canister: 650
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 8:38
Date Analyzed: 07/21/25 **Time:** 17:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.83	2.30	6.90	3.16	J
74-98-6	Propane	1.33	4.00	2.36	2.41	7.23	4.26	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.06	2.30	6.90	2.45	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.56	2.30	6.90	3.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.94	2.36	7.07	3.33	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.10	26.50	79.49	28.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	48.62	29.51	88.52	31.88	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 03

File Name: 2521003A
Description: T-103
Canister: 823
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 8:16
Date Analyzed: 07/21/25 **Time:** 18:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.64	2.47	7.40	3.25	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.49	2.30	6.90	3.43	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.83	2.19	6.57	4.10	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 04

File Name: 2521004A
Description: T-104
Canister: 881
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 8:05
Date Analyzed: 07/21/25 **Time:** 19:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	29.96	2.30	6.90	51.69	
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	0.87	2.30	6.90	2.50	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.09	2.30	6.90	3.13	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.85	2.35	7.04	7.60	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.64	2.34	7.02	2.99	J
108-88-3	Toluene	0.57	1.71	2.16	2.16	6.47	8.16	
592-27-8	2-Methylheptane	0.50	1.50	0.59	2.34	7.02	2.76	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.49	2.34	7.02	6.99	J
100-41-4	Ethylbenzene	0.50	1.50	1.60	2.18	6.53	6.95	
108-38-3	m,p-xylene	0.50	1.50	6.92	2.18	6.53	30.14	
100-42-5	Styrene	0.50	1.50	4.20	2.14	6.41	17.95	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.63	2.18	6.53	2.73	J
111-84-2	n-Nonane	0.44	1.33	0.91	2.34	7.01	4.80	J
98-82-8	i-Propylbenzene	0.44	1.33	4.92	2.19	6.57	24.24	
103-65-1	n-propylbenzene	0.44	1.33	12.52	2.19	6.57	61.68	
620-14-4	3-Ethyltoluene	0.44	1.33	7.69	2.19	6.57	37.88	
622-96-8	4-Ethyltoluene	0.44	1.33	1.92	2.19	6.57	9.46	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.21	2.19	6.57	5.94	J
611-14-3	2-Ethyltoluene	0.44	1.33	8.75	2.19	6.57	43.10	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	6.19	2.19	6.57	30.49	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.39	2.20	6.60	13.16	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.49	2.33	6.99	3.16	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	114.42	26.50	79.49	404.22	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	686.51	29.51	88.52	450.17	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 05

File Name: 2521005A
Description: T-105
Canister: 756
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 10:05
Date Analyzed: 07/21/25 **Time:** 19:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.71	2.47	7.40	5.81	J
115-07-1	Propene	1.33	4.00	2.58	2.30	6.90	4.45	J
74-98-6	Propane	1.33	4.00	5.46	2.41	7.23	9.87	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.55	2.37	7.10	4.59	J
109-67-1	1-Pentene	0.80	2.40	1.40	2.30	6.90	4.02	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	10.03	26.50	79.49	35.44	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	60.19	29.51	88.52	39.47	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 06

File Name: 2521006A
Description: T-106
Canister: 634
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 07/21/25 **Time:** 20:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.33	J
115-07-1	Propene	1.33	4.00	1.94	2.30	6.90	3.35	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.54	2.37	7.10	4.57	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 07

File Name: 2521007A
Description: T-107
Canister: 802
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 10:06
Date Analyzed: 07/22/25 **Time:** 14:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.77	2.47	7.40	4.65	J
115-07-1	Propene	1.33	4.00	1.95	2.30	6.90	3.37	J
74-98-6	Propane	1.33	4.00	3.66	2.41	7.23	6.61	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.75	2.38	7.14	11.31	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.55	2.37	7.10	13.48	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.11	2.36	7.09	3.28	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.34	2.36	7.07	4.72	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.52	2.13	6.40	4.87	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.58	2.19	6.57	2.85	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.49	2.20	6.60	2.71	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.85	26.50	79.49	80.73	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	137.11	29.51	88.52	89.91	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 08

File Name: 2521008A
Description: T-108
Canister: 553
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 9:55
Date Analyzed: 07/22/25 **Time:** 15:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.56	2.47	7.40	4.39	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.07	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.13	2.38	7.14	2.69	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.48	2.37	7.10	7.33	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	2.27	2.36	7.09	6.70	J
646-04-8	t-2-Pentene	0.80	2.40	1.95	2.30	6.90	5.59	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.53	2.13	6.40	4.90	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.73	2.16	6.47	2.74	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.57	2.18	6.53	2.46	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.59	2.19	6.57	12.75	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.45	2.20	6.60	2.50	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.46	26.50	79.49	79.36	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	134.79	29.51	88.52	88.38	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 09

File Name: 2521009A
Description: T-109
Canister: 605
QC_Batch: 072425-GCK

Date Sampled: 07/15/25 **Time:** 11:05
Date Analyzed: 07/24/25 **Time:** 15:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.24	2.47	7.40	2.76	J
115-07-1	Propene	1.33	4.00	1.77	2.30	6.90	3.05	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.04	2.30	6.90	4.69	J
106-97-8	n-Butane	1.00	3.00	1.48	2.38	7.14	3.53	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.91	2.37	7.10	5.64	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.08	26.50	79.49	28.55	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	48.49	29.51	88.52	31.79	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 10

File Name: 2521010A
Description: T-110
Canister: 738
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 10:55
Date Analyzed: 07/22/25 **Time:** 17:07
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	3.48	2.30	6.90	6.00	J
74-98-6	Propane	1.33	4.00	2.23	2.41	7.23	4.04	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.88	2.38	7.14	4.47	J
624-64-6	t-2-Butene	1.00	3.00	1.42	2.30	6.90	3.26	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.22	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.90	2.30	6.90	2.57	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.12	2.36	7.07	3.97	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	10.44	26.50	79.49	36.90	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	62.66	29.51	88.52	41.09	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 11

File Name: 2521011A
Description: T-111
Canister: 768
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 11:06
Date Analyzed: 07/22/25 **Time:** 17:54
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	1.58	2.30	6.90	4.55	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.25	2.36	7.07	4.40	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.04	2.13	6.40	3.31	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.78	26.50	79.49	31.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	52.67	29.51	88.52	34.54	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 12

File Name: 2521012A
Description: T-112
Canister: 897
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 11:16
Date Analyzed: 07/22/25 **Time:** 18:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.10	2.30	6.91	3.57	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	13.04	2.47	7.40	16.08	
115-07-1	Propene	1.33	4.00	11.04	2.30	6.90	19.04	
74-98-6	Propane	1.33	4.00	12.32	2.41	7.23	22.27	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.43	2.30	6.90	3.28	J
106-97-8	n-Butane	1.00	3.00	4.94	2.38	7.14	11.77	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.73	2.36	7.07	2.58	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.74	2.19	6.57	8.56	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	28.96	26.50	79.49	102.30	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	173.75	29.51	88.52	113.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 13

File Name: 2521013A
Description: T-113
Canister: 692
QC_Batch: 072225-GCK

Date Sampled: 07/15/25 **Time:** 11:20
Date Analyzed: 07/22/25 **Time:** 19:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	11.63	2.47	7.40	14.35	
115-07-1	Propene	1.33	4.00	10.28	2.30	6.90	17.73	
74-98-6	Propane	1.33	4.00	11.05	2.41	7.23	19.97	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.44	2.30	6.90	3.32	J
106-97-8	n-Butane	1.00	3.00	4.81	2.38	7.14	11.45	
624-64-6	t-2-Butene	1.00	3.00	3.43	2.30	6.90	7.89	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.09	2.30	6.90	3.14	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.19	2.36	7.07	4.19	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	28.57	26.50	79.49	100.93	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	171.41	29.51	88.52	112.40	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 14

File Name: 2521014A
Description: T-114
Canister: 657
QC_Batch: 072125-GCK

Date Sampled: 07/15/25 **Time:** 11:44
Date Analyzed: 07/21/25 **Time:** 13:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 15

File Name: 2521015A
Description: T-201
Canister: 846
QC_Batch: 072225-GCK

Date Sampled: 07/16/25 **Time:** 8:24
Date Analyzed: 07/22/25 **Time:** 20:15
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.55	2.47	7.40	3.14	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	6.16	2.41	7.23	11.14	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.80	2.30	6.90	5.17	J
109-66-0	n-Pentane	0.80	2.40	0.81	2.36	7.09	2.40	J
646-04-8	t-2-Pentene	0.80	2.40	0.89	2.30	6.90	2.54	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	0.77	2.36	7.07	2.71	J
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.77	2.36	7.07	6.25	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	11.82	26.50	79.49	41.75	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	70.90	29.51	88.52	46.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 16

File Name: 2521016A
Description: T-202
Canister: 764
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 8:28
Date Analyzed: 07/23/25 **Time:** 13:38
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.23	2.47	7.40	7.69	
115-07-1	Propene	1.33	4.00	1.38	2.30	6.90	2.38	J
74-98-6	Propane	1.33	4.00	3.68	2.41	7.23	6.65	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.85	2.38	7.14	4.41	J
624-64-6	t-2-Butene	1.00	3.00	1.15	2.30	6.90	2.64	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	0.86	2.36	7.09	2.54	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.75	2.19	6.57	3.67	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.36	26.50	79.49	43.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	74.19	29.51	88.52	48.65	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 17

File Name: 2521017A
Description: T-203
Canister: 690
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 8:16
Date Analyzed: 07/23/25 **Time:** 14:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.30	2.47	7.40	2.83	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.41	2.41	7.23	2.54	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	0.96	2.37	7.10	2.85	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	2.47	2.30	6.90	7.09	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.17	2.36	7.07	4.12	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.07	2.35	7.04	4.40	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.70	26.50	79.49	34.27	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	58.20	29.51	88.52	38.16	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210
Analytical Method: TO-14FID
Laboratory Number: 18

File Name: 2521018A
Description: T-204
Canister: 531
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 8:21
Date Analyzed: 07/23/25 **Time:** 15:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.75	2.47	7.40	3.39	J
115-07-1	Propene	1.33	4.00	1.54	2.30	6.90	2.65	J
74-98-6	Propane	1.33	4.00	2.05	2.41	7.23	3.70	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.72	2.38	7.14	4.10	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.10	2.37	7.10	6.22	J
109-67-1	1-Pentene	0.80	2.40	1.06	2.30	6.90	3.06	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.89	2.36	7.07	3.15	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.52	26.50	79.49	33.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	57.12	29.51	88.52	37.45	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 19

File Name: 2521019A
Description: T-205
Canister: 749
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 9:24
Date Analyzed: 07/23/25 **Time:** 16:19
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.94	2.47	7.40	3.63	J
115-07-1	Propene	1.33	4.00	2.89	2.30	6.90	4.99	J
74-98-6	Propane	1.33	4.00	5.21	2.41	7.23	9.41	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.09	2.30	6.90	4.80	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.45	2.19	6.57	2.19	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.69	2.19	6.57	3.42	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.68	2.20	6.60	3.73	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.90	2.20	6.60	4.95	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	15.53	26.50	79.49	54.85	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	93.16	29.51	88.52	61.09	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 20

File Name: 2521020A
Description: T-206
Canister: 779
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 9:32
Date Analyzed: 07/23/25 **Time:** 17:19
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.29	2.38	7.14	5.45	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.26	2.36	7.07	4.47	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.93	2.13	6.40	2.97	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.52	2.19	6.57	2.59	J
124-18-5	n-Decane	0.40	1.20	1.01	2.33	7.00	5.87	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.61	2.20	6.60	3.33	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	9.04	26.50	79.49	31.93	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	54.23	29.51	88.52	35.56	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 21

File Name: 2521021A
Description: T-207
Canister: 672
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 9:31
Date Analyzed: 07/23/25 **Time:** 18:05
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.87	2.30	6.90	4.95	J
74-98-6	Propane	1.33	4.00	2.29	2.41	7.23	4.14	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.00	2.38	7.14	4.77	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.35	2.36	7.07	4.76	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.93	2.13	6.40	9.37	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.65	2.35	7.04	2.66	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.01	2.16	6.47	3.82	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.71	2.18	6.53	3.10	J
108-38-3	m,p-xylene	0.50	1.50	1.84	2.18	6.53	8.02	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.00	2.19	6.57	4.91	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	1.09	2.33	7.00	6.38	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	21.09	26.50	79.49	74.50	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	126.53	29.51	88.52	82.97	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 22

File Name: 2521022A
Description: T-208
Canister: 677
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 9:40
Date Analyzed: 07/23/25 **Time:** 18:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.03	2.36	7.07	3.63	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 23

File Name: 2521023A
Description: T-209
Canister: 509
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 11:05
Date Analyzed: 07/23/25 **Time:** 19:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.18	2.30	6.90	3.76	J
74-98-6	Propane	1.33	4.00	1.90	2.41	7.23	3.44	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.88	2.30	6.90	2.52	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.48	2.36	7.07	5.24	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	9.38	2.13	6.40	30.04	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.39	2.35	7.04	5.70	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.39	2.34	7.02	6.50	J
108-88-3	Toluene	0.57	1.71	1.28	2.16	6.47	4.81	J
592-27-8	2-Methylheptane	0.50	1.50	0.59	2.34	7.02	2.75	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.62	2.34	7.02	7.59	
100-41-4	Ethylbenzene	0.50	1.50	0.59	2.18	6.53	2.57	J
108-38-3	m,p-xylene	0.50	1.50	1.20	2.18	6.53	5.21	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.21	2.19	6.57	5.96	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.79	2.19	6.57	3.91	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.48	2.19	6.57	2.36	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.53	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.86	2.19	6.57	9.18	
124-18-5	n-Decane	0.40	1.20	1.15	2.33	7.00	6.70	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	36.97	26.50	79.49	130.60	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	221.81	29.51	88.52	145.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 24

File Name: 2521024A
Description: T-210
Canister: 712
QC_Batch: 072325-GCK

Date Sampled: 07/16/25 **Time:** 10:54
Date Analyzed: 07/23/25 **Time:** 20:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.43	2.30	6.91	2.80	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.67	2.30	6.90	2.89	J
74-98-6	Propane	1.33	4.00	2.21	2.41	7.23	4.00	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.32	2.38	7.14	3.15	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.57	2.37	7.10	7.60	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	1.00	2.36	7.07	3.52	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.86	2.35	7.04	3.52	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.48	2.19	6.57	2.35	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.55	2.20	6.60	3.03	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.95	26.50	79.49	45.76	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	77.71	29.51	88.52	50.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210
Analytical Method: TO-14FID
Laboratory Number: 25

File Name: 2521025A
Description: T-211
Canister: 654
QC_Batch: 073025-GCK

Date Sampled: 07/16/25 **Time:** 10:59
Date Analyzed: 07/30/25 **Time:** 20:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.51	2.30	6.91	2.89	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.54	2.47	7.40	6.83	J
115-07-1	Propene	1.33	4.00	2.56	2.30	6.90	4.42	J
74-98-6	Propane	1.33	4.00	1.83	2.41	7.23	3.31	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.73	2.38	7.14	4.13	J
624-64-6	t-2-Butene	1.00	3.00	1.22	2.30	6.90	2.81	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.55	2.37	7.10	7.54	
109-67-1	1-Pentene	0.80	2.40	1.91	2.30	6.90	5.48	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.08	2.13	6.40	6.65	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.73	2.35	7.04	2.99	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.69	2.19	6.57	3.38	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.54	2.19	6.57	2.68	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.81	2.20	6.60	4.44	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	17.85	26.50	79.49	63.06	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	107.10	29.51	88.52	70.23	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 26

File Name: 2521026A
Description: T-212
Canister: 729
QC_Batch: 072425-GCK

Date Sampled: 07/16/25 **Time:** 11:00
Date Analyzed: 07/24/25 **Time:** 17:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.24	2.30	6.90	2.85	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.32	2.35	7.04	5.43	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.67	2.34	7.02	3.12	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.36	2.18	6.53	5.93	J
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.91	2.14	6.41	3.89	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.51	2.18	6.53	2.22	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.73	2.19	6.57	3.59	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.21	2.19	6.57	5.97	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.80	2.19	6.57	3.94	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.57	2.20	6.60	3.14	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.47	2.20	6.60	2.58	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	19.46	26.50	79.49	68.77	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	116.79	29.51	88.52	76.58	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 27

File Name: 2521027A
Description: T-213
Canister: 503
QC_Batch: 072425-GCK

Date Sampled: 07/16/25 **Time:** 11:06
Date Analyzed: 07/24/25 **Time:** 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.50	2.38	7.14	3.58	J
624-64-6	t-2-Butene	1.00	3.00	1.02	2.30	6.90	2.34	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.44	2.35	7.04	5.92	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.63	2.18	6.53	2.76	J
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.56	2.14	6.41	2.39	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.82	2.19	6.57	4.03	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.45	2.19	6.57	7.12	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.57	2.19	6.57	2.83	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	13.59	26.50	79.49	48.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	81.53	29.51	88.52	53.46	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 28

File Name: 2521028A
Description: T-214
Canister: 754
QC_Batch: 072125-GCK

Date Sampled: 07/16/25 **Time:** 11:30
Date Analyzed: 07/21/25 **Time:** 14:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.86	2.30	6.90	3.20	J
74-98-6	Propane	1.33	4.00	2.15	2.41	7.23	3.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.64	2.38	7.14	3.91	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.24	2.37	7.10	6.63	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 29

File Name: 2521029A
Description: T-301
Canister: 504
QC_Batch: 072425-GCK

Date Sampled: 07/17/25 **Time:** 8:11
Date Analyzed: 07/24/25 **Time:** 19:21
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.60	2.47	7.40	3.21	J
115-07-1	Propene	1.33	4.00	2.10	2.30	6.90	3.63	J
74-98-6	Propane	1.33	4.00	3.10	2.41	7.23	5.61	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.23	2.38	7.14	5.30	J
624-64-6	t-2-Butene	1.00	3.00	1.24	2.30	6.90	2.85	J
590-18-1	c-2-Butene	1.00	3.00	3.28	2.30	6.90	7.55	
78-78-4	i-Pentane	0.80	2.40	2.80	2.37	7.10	8.28	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	13.29	2.36	7.07	46.94	
96-14-0	3-Methylpentane	0.67	2.00	8.18	2.36	7.07	28.88	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.79	2.13	6.40	2.52	J
110-82-7	Cyclohexane	0.67	2.00	4.91	2.30	6.90	16.93	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	2.80	2.35	7.04	11.51	
589-34-4	3-Methylhexane	0.57	1.71	1.50	2.35	7.04	6.15	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.45	2.34	7.02	6.78	J
142-82-5	n-Heptane	0.57	1.71	1.09	2.35	7.04	4.49	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	1.05	2.18	6.53	4.58	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.79	2.18	6.53	3.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.16	2.19	6.57	5.72	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.49	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.78	2.19	6.57	3.83	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	3.40	2.20	6.60	18.71	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	60.60	26.50	79.49	214.07	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	363.57	29.51	88.52	238.41	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 30

File Name: 2521030A
Description: T-302
Canister: 718
QC_Batch: 072425-GCK

Date Sampled: 07/17/25 **Time:** 8:22
Date Analyzed: 07/24/25 **Time:** 20:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.85	2.47	7.40	3.52	J
115-07-1	Propene	1.33	4.00	3.02	2.30	6.90	5.21	J
74-98-6	Propane	1.33	4.00	14.77	2.41	7.23	26.69	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	10.98	2.38	7.14	26.14	
624-64-6	t-2-Butene	1.00	3.00	1.55	2.30	6.90	3.56	J
590-18-1	c-2-Butene	1.00	3.00	1.84	2.30	6.90	4.23	J
78-78-4	i-Pentane	0.80	2.40	2.63	2.37	7.10	7.78	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	3.00	2.36	7.09	8.87	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.45	2.36	7.07	5.13	J
287-92-3	Cyclopentane	0.80	2.40	1.69	2.30	6.90	4.85	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.87	2.36	7.07	6.61	J
96-14-0	3-Methylpentane	0.67	2.00	2.36	2.36	7.07	8.33	
110-54-3	n-Hexane	0.67	2.00	0.83	2.36	7.07	2.95	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.75	2.35	7.04	3.07	J
71-43-2	Benzene	0.67	2.00	1.15	2.13	6.40	3.67	J
110-82-7	Cyclohexane	0.67	2.00	2.60	2.30	6.90	8.97	
591-76-4	2-Methylhexane	0.57	1.71	0.64	2.35	7.04	2.64	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.49	2.35	7.04	6.11	J
589-34-4	3-Methylhexane	0.57	1.71	1.84	2.35	7.04	7.54	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	2.33	2.34	7.02	10.90	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	1.16	2.30	6.90	4.67	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.84	2.34	7.02	3.93	J
108-88-3	Toluene	0.57	1.71	1.38	2.16	6.47	5.19	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.63	2.18	6.53	2.76	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.65	2.19	6.57	3.23	J
103-65-1	n-propylbenzene	0.44	1.33	1.74	2.19	6.57	8.56	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.40	2.19	6.57	6.89	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.65	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.88	2.19	6.57	9.25	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.58	2.20	6.60	3.20	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	62.48	26.50	79.49	220.73	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	374.88	29.51	88.52	245.83	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 31

File Name: 2521031A
Description: T-303
Canister: 800
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 8:25
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.67	2.47	7.40	3.29	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.75	2.13	6.40	2.41	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 32

File Name: 2521032A
Description: T-304
Canister: 643
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 8:05
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	5.51	2.30	6.91	6.34	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.76	2.47	7.40	5.87	J
115-07-1	Propene	1.33	4.00	1.64	2.30	6.90	2.84	J
74-98-6	Propane	1.33	4.00	2.96	2.41	7.23	5.35	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.23	2.30	6.90	2.84	J
106-97-8	n-Butane	1.00	3.00	2.70	2.38	7.14	6.43	J
624-64-6	t-2-Butene	1.00	3.00	1.56	2.30	6.90	3.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.48	2.37	7.10	13.27	
109-67-1	1-Pentene	0.80	2.40	0.81	2.30	6.90	2.34	J
109-66-0	n-Pentane	0.80	2.40	0.83	2.36	7.09	2.45	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	2.14	2.30	6.90	7.39	
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.86	2.13	6.40	2.77	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.63	2.19	6.57	3.09	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.59	2.20	6.60	8.76	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	22.64	26.50	79.49	79.97	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	135.82	29.51	88.52	89.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210
Analytical Method: TO-14FID
Laboratory Number: 33

File Name: 2521033A
Description: T-305
Canister: 700
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 9:42
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.46	2.47	7.40	3.04	J
115-07-1	Propene	1.33	4.00	2.50	2.30	6.90	4.31	J
74-98-6	Propane	1.33	4.00	3.80	2.41	7.23	6.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.03	2.38	7.14	2.46	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.37	2.37	7.10	9.98	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	3.64	2.30	6.90	10.45	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	4.19	2.36	7.07	14.80	
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	0.74	2.30	6.90	2.57	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.15	2.13	6.40	3.68	J
110-82-7	Cyclohexane	0.67	2.00	4.35	2.30	6.90	15.00	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	1.82	2.35	7.04	7.49	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.76	2.34	7.02	3.54	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	2.27	2.16	6.47	8.58	
592-27-8	2-Methylheptane	0.50	1.50	0.54	2.34	7.02	2.52	J
589-81-1	3-Methylheptane	0.50	1.50	1.79	2.34	7.02	8.36	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	2.81	2.18	6.53	12.24	
108-38-3	m,p-xylene	0.50	1.50	0.77	2.18	6.53	3.35	J
100-42-5	Styrene	0.50	1.50	0.94	2.14	6.41	4.01	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.56	2.19	6.57	7.68	
622-96-8	4-Ethyltoluene	0.44	1.33	2.23	2.19	6.57	10.97	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.97	2.19	6.57	9.70	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	7.60	2.19	6.57	37.44	
124-18-5	n-Decane	0.40	1.20	0.82	2.33	7.00	4.81	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	23.91	2.20	6.60	131.52	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.61	2.33	6.99	3.93	J
112-40-3	Dodecane	0.33	1.00	1.90	2.33	6.98	13.28	
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	106.63	26.50	79.49	376.70	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	639.77	29.51	88.52	419.52	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210
Analytical Method: TO-14FID
Laboratory Number: 34

File Name: 2521034A
Description: T-306
Canister: 860
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 9:40
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.04	2.30	6.91	2.35	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.52	2.47	7.40	4.34	J
115-07-1	Propene	1.33	4.00	2.36	2.30	6.90	4.07	J
74-98-6	Propane	1.33	4.00	3.41	2.41	7.23	6.17	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.68	2.30	6.90	3.85	J
106-97-8	n-Butane	1.00	3.00	1.10	2.38	7.14	2.62	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.25	2.37	7.10	9.61	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.82	2.36	7.07	6.45	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.18	2.13	6.40	6.99	
110-82-7	Cyclohexane	0.67	2.00	0.72	2.30	6.90	2.49	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	2.81	2.34	7.02	13.17	
100-41-4	Ethylbenzene	0.50	1.50	3.55	2.18	6.53	15.47	
108-38-3	m,p-xylene	0.50	1.50	14.42	2.18	6.53	62.76	
100-42-5	Styrene	0.50	1.50	0.58	2.14	6.41	2.48	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	5.84	2.18	6.53	25.41	
111-84-2	n-Nonane	0.44	1.33	7.32	2.34	7.01	38.50	
98-82-8	i-Propylbenzene	0.44	1.33	0.98	2.19	6.57	4.84	J
103-65-1	n-propylbenzene	0.44	1.33	0.71	2.19	6.57	3.47	J
620-14-4	3-Ethyltoluene	0.44	1.33	1.08	2.19	6.57	5.34	J
622-96-8	4-Ethyltoluene	0.44	1.33	3.53	2.19	6.57	17.41	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.41	2.19	6.57	6.93	
611-14-3	2-Ethyltoluene	0.44	1.33	1.33	2.19	6.57	6.53	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.77	2.19	6.57	8.72	
124-18-5	n-Decane	0.40	1.20	1.61	2.33	7.00	9.40	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.34	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	86.48	26.50	79.49	305.51	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	518.88	29.51	88.52	340.25	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 35

File Name: 2521035A
Description: T-307
Canister: 760
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 9:36
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	6.98	2.30	6.91	8.04	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.93	2.47	7.40	8.55	
115-07-1	Propene	1.33	4.00	5.31	2.30	6.90	9.16	
74-98-6	Propane	1.33	4.00	16.84	2.41	7.23	30.44	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	18.89	2.38	7.14	44.97	
624-64-6	t-2-Butene	1.00	3.00	1.61	2.30	6.90	3.70	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.55	2.30	6.90	4.47	J
109-66-0	n-Pentane	0.80	2.40	9.38	2.36	7.09	27.70	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.37	2.36	7.07	4.83	J
287-92-3	Cyclopentane	0.80	2.40	1.83	2.30	6.90	5.25	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.31	2.36	7.07	8.14	
96-14-0	3-Methylpentane	0.67	2.00	3.46	2.36	7.07	12.23	
110-54-3	n-Hexane	0.67	2.00	2.73	2.36	7.07	9.63	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.40	2.35	7.04	5.73	J
71-43-2	Benzene	0.67	2.00	1.78	2.13	6.40	5.71	J
110-82-7	Cyclohexane	0.67	2.00	5.04	2.30	6.90	17.39	
591-76-4	2-Methylhexane	0.57	1.71	1.47	2.35	7.04	6.05	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.46	2.35	7.04	5.98	J
589-34-4	3-Methylhexane	0.57	1.71	2.86	2.35	7.04	11.73	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.69	2.34	7.02	7.91	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	1.00	2.30	6.90	4.02	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.68	2.34	7.02	3.19	J
108-88-3	Toluene	0.57	1.71	1.01	2.16	6.47	3.83	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.67	2.18	6.53	2.93	J
100-42-5	Styrene	0.50	1.50	0.59	2.14	6.41	2.50	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.16	2.18	6.53	5.03	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.89	2.19	6.57	14.26	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.88	2.19	6.57	4.33	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.83	2.19	6.57	4.08	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.43	2.20	6.60	13.37	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	86.16	26.50	79.49	304.39	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	516.96	29.51	88.52	338.99	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 36

File Name: 2521036A
Description: T-308
Canister: 706
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 9:35
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.53	2.30	6.91	4.07	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.59	2.47	7.40	3.19	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.77	2.30	6.90	4.07	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.89	2.36	7.07	3.15	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.72	2.35	7.04	2.94	J
71-43-2	Benzene	0.67	2.00	0.81	2.13	6.40	2.58	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	8.47	26.50	79.49	29.93	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	50.84	29.51	88.52	33.34	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 37

File Name: 2521037A
Description: T-309
Canister: 502
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 10:52
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.30	2.30	6.91	2.65	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.34	J
115-07-1	Propene	1.33	4.00	3.16	2.30	6.90	5.46	J
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.07	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.59	2.38	7.14	6.17	J
624-64-6	t-2-Butene	1.00	3.00	1.96	2.30	6.90	4.50	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.74	2.37	7.10	5.16	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.83	2.36	7.07	2.92	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.04	2.13	6.40	3.33	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.46	2.35	7.04	5.99	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.58	2.18	6.53	2.50	J
111-84-2	n-Nonane	0.44	1.33	0.77	2.34	7.01	4.04	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.94	2.19	6.57	9.58	
620-14-4	3-Ethyltoluene	0.44	1.33	0.72	2.19	6.57	3.54	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.33	2.19	6.57	6.54	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.08	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.57	2.19	6.57	2.82	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.88	2.19	6.57	4.33	J
124-18-5	n-Decane	0.40	1.20	1.63	2.33	7.00	9.52	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.62	2.33	6.99	3.99	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	29.13	26.50	79.49	102.89	
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	174.75	29.51	88.52	114.59	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 38

File Name: 2521038A
Description: T-310
Canister: 618
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 10:54
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.71	2.47	7.40	4.58	J
115-07-1	Propene	1.33	4.00	2.23	2.30	6.90	3.84	J
74-98-6	Propane	1.33	4.00	2.20	2.41	7.23	3.98	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.57	2.30	6.90	3.62	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.89	2.37	7.10	14.46	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.50	2.13	6.40	8.00	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.88	2.35	7.04	3.61	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.70	2.35	7.04	2.88	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.12	2.34	7.02	5.26	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.80	2.19	6.57	8.86	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.64	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	21.74	26.50	79.49	76.79	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	130.43	29.51	88.52	85.53	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 39

File Name: 2521039A
Description: T-311
Canister: 182
QC_Batch: 072525-GCK

Date Sampled: 07/17/25 **Time:** 10:46
Date Analyzed: 07/25/25 **Time:** 10:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.98	2.30	6.90	3.41	J
74-98-6	Propane	1.33	4.00	3.00	2.41	7.23	5.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.35	2.30	6.90	3.87	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.52	2.19	6.57	12.44	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.51	2.19	6.57	2.49	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.69	2.20	6.60	3.78	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	12.17	26.50	79.49	43.01	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	73.04	29.51	88.52	47.90	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 40

File Name: 2521040A
Description: T-312
Canister: 545
QC_Batch: 072825-GCK

Date Sampled: 07/17/25 **Time:** 10:43
Date Analyzed: 07/28/25 **Time:** 14:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.14	2.30	6.91	3.62	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.67	2.47	7.40	4.53	J
115-07-1	Propene	1.33	4.00	4.04	2.30	6.90	6.96	
74-98-6	Propane	1.33	4.00	2.98	2.41	7.23	5.39	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	3.67	2.38	7.14	8.73	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	8.07	2.37	7.10	23.88	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	2.24	2.36	7.07	7.93	
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.35	2.36	7.07	4.75	J
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	4.19	2.30	6.90	14.45	
108-08-7	2,4-Dimethylpentane	0.57	1.71	24.12	2.35	7.04	99.03	
71-43-2	Benzene	0.67	2.00	1.73	2.13	6.40	5.54	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.19	2.35	7.04	4.91	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	10.96	2.35	7.04	45.01	
589-34-4	3-Methylhexane	0.57	1.71	1.61	2.35	7.04	6.61	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	3.59	2.35	7.04	14.74	
108-87-2	Methylcyclohexane	0.57	1.71	13.38	2.30	6.90	53.85	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.61	2.34	7.02	2.86	J
108-88-3	Toluene	0.57	1.71	4.55	2.16	6.47	17.18	
592-27-8	2-Methylheptane	0.50	1.50	2.25	2.34	7.02	10.54	
589-81-1	3-Methylheptane	0.50	1.50	1.34	2.34	7.02	6.28	J
111-65-9	n-Octane	0.50	1.50	5.71	2.34	7.02	26.74	
100-41-4	Ethylbenzene	0.50	1.50	5.31	2.18	6.53	23.12	
108-38-3	m,p-xylene	0.50	1.50	23.33	2.18	6.53	101.53	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	10.91	2.18	6.53	47.51	
111-84-2	n-Nonane	0.44	1.33	65.16	2.34	7.01	342.63	
98-82-8	i-Propylbenzene	0.44	1.33	5.29	2.19	6.57	26.04	
103-65-1	n-propylbenzene	0.44	1.33	4.86	2.19	6.57	23.92	
620-14-4	3-Ethyltoluene	0.44	1.33	6.02	2.19	6.57	29.64	
622-96-8	4-Ethyltoluene	0.44	1.33	14.88	2.19	6.57	73.30	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	86.88	2.19	6.57	427.97	
611-14-3	2-Ethyltoluene	0.44	1.33	46.26	2.19	6.57	227.91	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	23.98	2.19	6.57	118.15	
124-18-5	n-Decane	0.40	1.20	172.44	2.33	7.00	1,005.64	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	7.24	2.19	6.57	35.65	
141-93-5	1,3-Diethylbenzene	0.40	1.20	28.24	2.20	6.60	155.34	
105-05-5	1,4-Diethylbenzene	0.40	1.20	22.61	2.20	6.60	124.34	
1120-21-4	Undecane	0.36	1.09	31.67	2.33	6.99	202.86	
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	980.77	26.50	79.49	3,464.84	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	5,884.60	29.51	88.52	3,858.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 41

File Name: 2521041A
Description: T-313
Canister: 661
QC_Batch: 072825-GCK

Date Sampled: 07/17/25 **Time:** 10:48
Date Analyzed: 07/28/25 **Time:** 14:54
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.08	2.47	7.40	3.80	J
115-07-1	Propene	1.33	4.00	2.55	2.30	6.90	4.40	J
74-98-6	Propane	1.33	4.00	2.76	2.41	7.23	4.99	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.42	2.38	7.14	5.75	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.63	2.37	7.10	4.81	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	1.58	2.30	6.90	4.55	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.95	2.36	7.07	3.34	J
110-54-3	n-Hexane	0.67	2.00	1.24	2.36	7.07	4.38	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.60	2.19	6.57	2.97	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.62	2.19	6.57	7.97	
124-18-5	n-Decane	0.40	1.20	1.77	2.33	7.00	10.31	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.90	2.33	6.99	5.77	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	21.95	26.50	79.49	77.55	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	131.72	29.51	88.52	86.37	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 42

File Name: 2521042A
Description: T-314
Canister: 603
QC_Batch: 072125-GCK

Date Sampled: 07/17/25 **Time:** 11:22
Date Analyzed: 07/21/25 **Time:** 15:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 43

File Name: 2521043A
Description: T-401
Canister: 882
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 8:06
Date Analyzed: 07/28/25 **Time:** 15:59
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.39	2.30	6.91	3.91	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.73	2.47	7.40	4.60	J
115-07-1	Propene	1.33	4.00	2.48	2.30	6.90	4.28	J
74-98-6	Propane	1.33	4.00	4.05	2.41	7.23	7.32	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.06	2.30	6.90	4.74	J
106-97-8	n-Butane	1.00	3.00	1.23	2.38	7.14	2.94	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.29	2.37	7.10	3.81	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.96	2.36	7.09	5.78	J
646-04-8	t-2-Pentene	0.80	2.40	2.21	2.30	6.90	6.35	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.87	2.36	7.07	3.06	J
110-54-3	n-Hexane	0.67	2.00	0.95	2.36	7.07	3.37	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.47	2.13	6.40	4.70	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.98	2.18	6.53	4.25	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.64	2.33	7.00	3.73	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	1.18	2.19	6.57	5.79	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	21.40	26.50	79.49	75.61	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	128.41	29.51	88.52	84.20	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 44

File Name: 2521044A
Description: T-402
Canister: 505
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 8:11
Date Analyzed: 07/28/25 **Time:** 16:51
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	7.59	2.47	7.40	9.36	
115-07-1	Propene	1.33	4.00	1.98	2.30	6.90	3.42	J
74-98-6	Propane	1.33	4.00	3.24	2.41	7.23	5.85	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.28	2.30	6.90	2.93	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.65	2.34	7.02	3.05	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	2.91	2.18	6.53	12.67	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.55	2.20	6.60	3.02	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.05	26.50	79.49	49.63	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	84.29	29.51	88.52	55.27	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 45

File Name: 2521045A
Description: T-403
Canister: 647
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 8:13
Date Analyzed: 07/28/25 **Time:** 17:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.55	2.30	6.90	3.57	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.82	2.30	6.90	2.36	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 46

File Name: 2521046A
Description: T-404
Canister: 698
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 8:08
Date Analyzed: 07/28/25 **Time:** 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.09	2.47	7.40	6.28	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.36	2.41	7.23	4.27	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.80	2.36	7.07	2.83	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 47

File Name: 2521047A
Description: T-405
Canister: 673
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 9:15
Date Analyzed: 07/28/25 **Time:** 19:22
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.68	2.30	6.91	3.09	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.96	2.47	7.40	3.65	J
115-07-1	Propene	1.33	4.00	2.80	2.30	6.90	4.83	J
74-98-6	Propane	1.33	4.00	2.33	2.41	7.23	4.22	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.00	2.30	6.90	4.59	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.73	2.37	7.10	5.12	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	0.93	2.30	6.90	2.68	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.81	2.36	7.07	2.87	J
110-54-3	n-Hexane	0.67	2.00	0.91	2.36	7.07	3.23	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.47	2.13	6.40	4.72	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	1.42	2.35	7.04	5.84	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.91	26.50	79.49	52.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	89.47	29.51	88.52	58.67	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 48

File Name: 2521048A
Description: T-406
Canister: 549
QC_Batch: 072825-GCK

Date Sampled: 07/18/25 **Time:** 9:04
Date Analyzed: 07/28/25 **Time:** 20:08
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.73	2.30	6.91	4.29	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.63	2.30	6.90	2.81	J
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.19	2.30	6.90	2.73	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.73	2.36	7.07	2.58	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 49

File Name: 2521049A
Description: T-407
Canister: 778
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 **Time:** 9:10
Date Analyzed: 07/29/25 **Time:** 11:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.32	2.47	7.40	5.32	J
115-07-1	Propene	1.33	4.00	2.05	2.30	6.90	3.54	J
74-98-6	Propane	1.33	4.00	2.14	2.41	7.23	3.88	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.07	2.30	6.90	2.45	J
106-97-8	n-Butane	1.00	3.00	2.47	2.38	7.14	5.88	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.95	2.37	7.10	5.76	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.76	2.13	6.40	2.42	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.81	2.19	6.57	4.00	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	12.49	26.50	79.49	44.13	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	74.96	29.51	88.52	49.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 50

File Name: 2521050A
Description: T-408
Canister: 837
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 **Time:** 9:13
Date Analyzed: 07/29/25 **Time:** 12:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.71	2.47	7.40	7.04	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.63	2.41	7.23	13.79	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.41	2.30	6.90	5.54	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.72	2.37	7.10	13.98	
109-67-1	1-Pentene	0.80	2.40	0.90	2.30	6.90	2.60	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.74	2.13	6.40	2.38	J
110-82-7	Cyclohexane	0.67	2.00	0.76	2.30	6.90	2.63	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.46	2.20	6.60	2.51	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	19.85	26.50	79.49	70.14	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	119.12	29.51	88.52	78.11	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 51

File Name: 2521051A
Description: T-409
Canister: 766
QC_Batch: 072925-GCK

Date Sampled: 07/18/25 **Time:** 9:16
Date Analyzed: 07/29/25 **Time:** 13:25
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.93	2.47	7.40	3.61	J
115-07-1	Propene	1.33	4.00	1.43	2.30	6.90	2.47	J
74-98-6	Propane	1.33	4.00	6.86	2.41	7.23	12.40	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.19	2.38	7.14	2.83	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	4.21	2.37	7.10	12.47	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.68	2.36	7.07	2.42	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.01	2.13	6.40	3.22	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.40	2.20	6.60	2.23	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	16.62	26.50	79.49	58.71	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	99.72	29.51	88.52	65.39	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 52

File Name: 2521052A
Description: T-410
Canister: 701
QC_Batch: 072125-GCK

Date Sampled: 07/18/25 **Time:** 9:42
Date Analyzed: 07/21/25 **Time:** 16:02
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 53

File Name: 2521053A
Description: T-501
Canister: 638
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 10:17
Date Analyzed: 07/29/25 **Time:** 14:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.70	2.47	7.40	3.33	J
115-07-1	Propene	1.33	4.00	3.15	2.30	6.90	5.44	J
74-98-6	Propane	1.33	4.00	3.09	2.41	7.23	5.59	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.25	2.38	7.14	5.35	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.71	2.37	7.10	5.07	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.43	2.13	6.40	4.57	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.05	2.19	6.57	10.11	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.53	2.19	6.57	2.59	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	14.94	26.50	79.49	52.79	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	89.66	29.51	88.52	58.79	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 54

File Name: 2521054A
Description: T-502
Canister: 417
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 10:22
Date Analyzed: 07/29/25 **Time:** 15:39
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.59	2.30	6.91	4.13	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.19	2.47	7.40	3.93	J
115-07-1	Propene	1.33	4.00	2.93	2.30	6.90	5.06	J
74-98-6	Propane	1.33	4.00	2.56	2.41	7.23	4.62	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.39	2.38	7.14	3.32	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.55	2.37	7.10	4.57	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.97	2.13	6.40	3.11	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.77	2.19	6.57	8.71	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	12.36	26.50	79.49	43.67	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	74.18	29.51	88.52	48.64	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 55

File Name: 2521055A
Description: T-503
Canister: 792
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 10:15
Date Analyzed: 07/29/25 **Time:** 16:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.69	2.41	7.23	3.05	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.92	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 56

File Name: 2521056A
Description: T-504
Canister: 552
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 10:26
Date Analyzed: 07/29/25 **Time:** 17:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.09	2.30	6.90	2.50	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.14	2.30	6.90	4.93	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.92	2.13	6.40	2.94	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 225210
Analytical Method: TO-14FID
Laboratory Number: 57

File Name: 2521057A
Description: T-505
Canister: 704
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 11:26
Date Analyzed: 07/29/25 **Time:** 18:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	2.20	2.30	6.90	5.06	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.82	2.13	6.40	2.62	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.10	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 58

File Name: 2521058A
Description: T-506
Canister: 895
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 11:21
Date Analyzed: 07/29/25 **Time:** 19:18
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.55	2.30	6.90	3.55	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.87	2.30	6.90	4.30	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.76	2.13	6.40	2.42	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.61	2.19	6.57	3.01	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 59

File Name: 2521059A
Description: T-507
Canister: 856
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 11:24
Date Analyzed: 07/29/25 **Time:** 20:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.92	2.47	7.40	3.61	J
115-07-1	Propene	1.33	4.00	2.82	2.30	6.90	4.87	J
74-98-6	Propane	1.33	4.00	2.82	2.41	7.23	5.10	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.20	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.77	2.13	6.40	2.48	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.50	2.19	6.57	2.48	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	10.38	26.50	79.49	36.66	J
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	62.26	29.51	88.52	40.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 60

File Name: 2521060A
Description: T-508
Canister: 877
QC_Batch: 072925-GCK

Date Sampled: 07/22/25 **Time:** 11:21
Date Analyzed: 07/29/25 **Time:** 20:51
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.04	2.30	6.91	2.35	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.79	2.47	7.40	3.44	J
115-07-1	Propene	1.33	4.00	1.78	2.30	6.90	3.08	J
74-98-6	Propane	1.33	4.00	2.03	2.41	7.23	3.67	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.20	2.38	7.14	2.85	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.37	2.37	7.10	4.06	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-(	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 61

File Name: 2521061A
Description: T-509
Canister: 640
QC_Batch: 073025-GCK

Date Sampled: 07/22/25 **Time:** 11:27
Date Analyzed: 07/30/25 **Time:** 12:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.86	2.30	6.91	4.44	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.54	2.47	7.40	4.37	J
115-07-1	Propene	1.33	4.00	2.96	2.30	6.90	5.11	J
74-98-6	Propane	1.33	4.00	4.37	2.41	7.23	7.89	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.62	2.38	7.14	6.24	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.87	2.37	7.10	5.55	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.90	2.13	6.40	6.09	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.83	2.33	7.00	4.82	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.13	2.20	6.60	11.72	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.69	26.50	79.49	69.58	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	118.17	29.51	88.52	77.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 62

File Name: 2521062A
Description: T-510
Canister: 688
QC_Batch: 072425-GCK

Date Sampled: 07/22/25 **Time:** 11:48
Date Analyzed: 07/24/25 **Time:** 13:57
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.91	2.30	6.90	3.29	J
74-98-6	Propane	1.33	4.00	1.90	2.41	7.23	3.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.53	2.33	7.00	3.11	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.90	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 63

File Name: 2521063A
Description: T-601
Canister: 506
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 7:50
Date Analyzed: 07/30/25 **Time:** 12:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.94	2.47	7.40	6.09	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.22	2.41	7.23	5.83	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.26	2.30	6.90	2.91	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.75	2.36	7.07	2.63	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.40	2.13	6.40	4.47	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.49	2.33	7.00	2.84	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	9.98	26.50	79.49	35.25	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	59.86	29.51	88.52	39.25	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 64

File Name: 2521064A
Description: T-602
Canister: 642
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 7:55
Date Analyzed: 07/30/25 **Time:** 13:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.88	2.47	7.40	8.49	
115-07-1	Propene	1.33	4.00	2.81	2.30	6.90	4.84	J
74-98-6	Propane	1.33	4.00	5.01	2.41	7.23	9.06	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.94	2.38	7.14	7.01	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.76	2.37	7.10	5.20	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.91	2.36	7.07	6.75	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.40	2.13	6.40	4.49	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.92	2.35	7.04	3.79	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.84	2.18	6.53	3.66	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.55	2.19	6.57	2.73	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.70	2.19	6.57	3.47	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.09	2.19	6.57	5.39	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.16	2.20	6.60	6.37	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	0.75	2.33	6.99	4.82	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.82	26.50	79.49	87.70	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	148.94	29.51	88.52	97.67	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 65

File Name: 2521065A
Description: T-603
Canister: 990
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 7:49
Date Analyzed: 07/30/25 **Time:** 14:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.22	2.47	7.40	6.44	J
115-07-1	Propene	1.33	4.00	2.30	2.30	6.90	3.96	J
74-98-6	Propane	1.33	4.00	3.53	2.41	7.23	6.37	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.78	2.38	7.14	11.38	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.96	2.37	7.10	5.79	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	1.02	2.30	6.90	3.53	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.73	2.13	6.40	5.52	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	2.86	2.35	7.04	11.74	
589-34-4	3-Methylhexane	0.57	1.71	3.05	2.35	7.04	12.51	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.79	2.35	7.04	7.35	
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.94	2.34	7.02	4.41	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.93	2.18	6.53	4.04	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.70	2.18	6.53	7.39	
111-84-2	n-Nonane	0.44	1.33	0.89	2.34	7.01	4.70	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.00	2.19	6.57	4.94	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	2.45	2.19	6.57	12.05	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.09	2.19	6.57	5.37	J
611-14-3	2-Ethyltoluene	0.44	1.33	1.48	2.19	6.57	7.28	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.32	2.19	6.57	11.42	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.69	2.20	6.60	9.27	
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.88	2.20	6.60	4.85	J
1120-21-4	Undecane	0.36	1.09	1.58	2.33	6.99	10.09	
112-40-3	Dodecane	0.33	1.00	0.45	2.33	6.98	3.17	J
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	52.36	26.50	79.49	184.98	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	314.16	29.51	88.52	206.01	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 66

File Name: 2521066A
Description: T-604
Canister: 858
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 7:56
Date Analyzed: 07/30/25 **Time:** 15:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.33	2.47	7.40	4.10	J
115-07-1	Propene	1.33	4.00	1.34	2.30	6.90	2.32	J
74-98-6	Propane	1.33	4.00	2.88	2.41	7.23	5.21	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.78	2.19	6.57	3.83	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 67

File Name: 2521067A
Description: T-605
Canister: 847
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 9:03
Date Analyzed: 07/30/25 **Time:** 16:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	4.16	2.47	7.40	5.13	J
115-07-1	Propene	1.33	4.00	1.38	2.30	6.90	2.38	J
74-98-6	Propane	1.33	4.00	3.13	2.41	7.23	5.65	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.69	2.38	7.14	11.18	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.72	2.37	7.10	8.04	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.22	2.36	7.09	3.60	J
646-04-8	t-2-Pentene	0.80	2.40	2.03	2.30	6.90	5.84	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.99	2.36	7.07	3.49	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.22	2.13	6.40	3.92	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.58	2.35	7.04	2.40	J
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.55	2.34	7.02	2.59	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	1.02	2.18	6.53	4.44	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.55	2.19	6.57	2.73	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.45	2.19	6.57	2.24	J
124-18-5	n-Decane	0.40	1.20	1.46	2.33	7.00	8.51	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	25.15	26.50	79.49	88.84	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	150.89	29.51	88.52	98.94	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 68

File Name: 2521068A
Description: T-606
Canister: 803
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 9:06
Date Analyzed: 07/30/25 **Time:** 17:32
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.23	2.47	7.40	2.75	J
115-07-1	Propene	1.33	4.00	1.39	2.30	6.90	2.40	J
74-98-6	Propane	1.33	4.00	1.53	2.41	7.23	2.76	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.45	2.30	6.90	3.33	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.82	2.35	7.04	3.38	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.14	2.20	6.60	6.27	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	7.66	26.50	79.49	27.07	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	45.98	29.51	88.52	30.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 69

File Name: 2521069A
Description: T-607
Canister: 899
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 9:08
Date Analyzed: 07/30/25 **Time:** 18:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.10	2.30	6.91	2.42	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.64	2.47	7.40	6.96	J
115-07-1	Propene	1.33	4.00	4.92	2.30	6.90	8.49	
74-98-6	Propane	1.33	4.00	17.46	2.41	7.23	31.56	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	12.15	2.38	7.14	28.93	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	6.45	2.37	7.10	19.09	
109-67-1	1-Pentene	0.80	2.40	0.91	2.30	6.90	2.61	J
109-66-0	n-Pentane	0.80	2.40	4.90	2.36	7.09	14.47	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	2.98	2.30	6.90	8.55	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.69	2.36	7.07	2.44	J
96-14-0	3-Methylpentane	0.67	2.00	0.78	2.36	7.07	2.74	J
110-54-3	n-Hexane	0.67	2.00	1.10	2.36	7.07	3.87	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.20	2.30	6.90	4.13	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.61	2.35	7.04	2.49	J
589-34-4	3-Methylhexane	0.57	1.71	1.19	2.35	7.04	4.88	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.68	2.34	7.02	3.19	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	0.93	2.30	6.90	3.73	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.60	2.16	6.47	2.28	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.74	2.19	6.57	8.57	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.80	2.19	6.57	3.94	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.77	2.19	6.57	3.81	J
124-18-5	n-Decane	0.40	1.20	0.65	2.33	7.00	3.77	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.54	2.20	6.60	2.96	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	54.83	26.50	79.49	193.70	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	328.97	29.51	88.52	215.72	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 70

File Name: 2521070A
Description: T-608
Canister: 730
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 8:50
Date Analyzed: 07/30/25 **Time:** 19:05
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.66	2.47	7.40	3.29	J
115-07-1	Propene	1.33	4.00	3.61	2.30	6.90	6.22	J
74-98-6	Propane	1.33	4.00	5.96	2.41	7.23	10.78	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	6.16	2.38	7.14	14.66	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	5.40	2.37	7.10	15.97	
109-67-1	1-Pentene	0.80	2.40	0.91	2.30	6.90	2.62	J
109-66-0	n-Pentane	0.80	2.40	1.16	2.36	7.09	3.44	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.54	2.30	6.90	4.43	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.79	2.36	7.07	2.78	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.38	2.13	6.40	4.43	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	2.95	2.35	7.04	12.11	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.68	2.35	7.04	6.89	J
589-34-4	3-Methylhexane	0.57	1.71	4.68	2.35	7.04	19.21	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.61	2.34	7.02	2.86	J
142-82-5	n-Heptane	0.57	1.71	1.26	2.35	7.04	5.19	J
108-87-2	Methylcyclohexane	0.57	1.71	0.82	2.30	6.90	3.32	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	1.01	2.18	6.53	4.42	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.93	2.18	6.53	4.04	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.00	2.19	6.57	4.92	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	1.24	2.33	7.00	7.25	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	44.70	26.50	79.49	157.91	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	268.18	29.51	88.52	175.86	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 71

File Name: 2521071A
Description: T-609
Canister: 675
QC_Batch: 073025-GCK

Date Sampled: 07/23/25 **Time:** 9:03
Date Analyzed: 07/30/25 **Time:** 19:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.31	2.47	7.40	6.55	J
115-07-1	Propene	1.33	4.00	6.17	2.30	6.90	10.64	
74-98-6	Propane	1.33	4.00	7.43	2.41	7.23	13.43	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.71	2.38	7.14	11.22	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.19	2.37	7.10	9.43	
109-67-1	1-Pentene	0.80	2.40	1.37	2.30	6.90	3.93	J
109-66-0	n-Pentane	0.80	2.40	1.99	2.36	7.09	5.89	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.76	2.36	7.07	2.68	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	3.41	2.35	7.04	14.00	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.79	2.35	7.04	7.34	
589-34-4	3-Methylhexane	0.57	1.71	5.04	2.35	7.04	20.72	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	0.53	2.34	7.02	2.48	J
142-82-5	n-Heptane	0.57	1.71	1.39	2.35	7.04	5.73	J
108-87-2	Methylcyclohexane	0.57	1.71	0.88	2.30	6.90	3.54	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	0.91	2.18	6.53	3.98	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	0.91	2.18	6.53	3.97	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.69	2.19	6.57	3.39	J
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.35	2.19	6.57	6.65	
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.26	2.19	6.57	6.21	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	44.43	26.50	79.49	156.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	266.55	29.51	88.52	174.79	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 225210
Laboratory Number: 72

File Name: 2521072A
Description: T-610
Canister: 753
QC_Batch: 072425-GCK

Date Sampled: 07/23/25 **Time:** 9:31
Date Analyzed: 07/24/25 **Time:** 14:53
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.68	2.41	7.23	3.04	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	45.00	135.00	ND	29.51	88.52	ND	ND

Atmospheric Analysis & Consulting, Inc

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 251759
REPORT DATE	: 07/17/2025

On July 15th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 101 a	251759-77771	S- 108 a	251759-77785
S- 101 b	251759-77772	S- 108 b	251759-77786
S- 102 a	251759-77773	S- 109 a	251759-77787
S- 102 b	251759-77774	S- 109 b	251759-77788
S- 103 a	251759-77775	S- 110 a	251759-77789
S- 103 b	251759-77776	S- 110 b	251759-77790
S- 104 a	251759-77777	S- 111 a	251759-77791
S- 104 b	251759-77778	S- 111 b	251759-77792
S- 105 a	251759-77779	S- 112 a	251759-77793
S- 105 b	251759-77780	S- 112 b	251759-77794
S- 106 a	251759-77781	S- 113 a	251759-77795
S- 106 b	251759-77782	S- 113 b	251759-77796
S- 107 a	251759-77783	S- 114 a	251759-77797
S- 107 b	251759-77784	S- 114 b	251759-77798

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251759
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2025
RECEIVING DATE : 07/15/2025
ANALYSIS DATE : 07/15-16/2025
REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 101 a	S- 102 a	S- 103 a	S- 104 a	S- 105 a
AAC ID	251759-77771	251759-77773	251759-77775	251759-77777	251759-77779
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.013**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.013**

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251759
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2025
RECEIVING DATE : 07/15/2025
ANALYSIS DATE : 07/15-16/2025
REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 106 a	S- 107 a	S- 108 a	S- 109 a	S- 110 a
AAC ID	251759-77781	251759-77783	251759-77785	251759-77787	251759-77789
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.005**	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	**0.005**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251759
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2025
RECEIVING DATE : 07/15/2025
ANALYSIS DATE : 07/16/2025
REPORT DATE : 07/17/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 111 a	S- 112 a	S- 113 a	S- 114 a
AAC ID	251759-77791	251759-77793	251759-77795	251759-77797
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/15/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8107	0.515	104.2	0.7
Duplicate	7969	0.506	102.4	1.0
Triplicate	8072	0.513	103.8	0.3

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7149	0.490	96.5	1.4
Duplicate	7258	0.497	97.9	0.1
Triplicate	7343	0.503	99.1	1.3

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7528	0.458	95.3	2.7
Duplicate	7879	0.479	99.7	1.9
Triplicate	7800	0.474	98.7	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis Sample ID 251750-77739

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate Sample ID 251750-77739 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.255	0.237	103.2	96.0	7.3
MeSH	<PQL	0.254	0.244	0.243	96.2	95.8	0.4
DMS	<PQL	0.240	0.239	0.245	99.5	102.0	2.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.448	90.7
MeSH	0.508	0.468	92.2
DMS	0.481	0.449	93.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/15/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21761	489	99.0	1.4
Duplicate	22734	511	103.4	3.0
Triplicate	21710	488	98.8	1.6

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20068	522	102.9	0.1
Duplicate	20447	532	104.9	2.0
Triplicate	19634	511	100.7	2.1

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22505	499	103.7	0.1
Duplicate	22602	501	104.2	0.4
Triplicate	22459	497	103.5	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251750-77732**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 251750-77732 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	248.6	246.8	100.6	99.9	0.7
MeSH	<PQL	253.8	255.0	266.2	100.5	104.9	4.3
DMS	<PQL	240.3	247.5	261.4	103.0	108.8	5.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	450.0	91.1
MeSH	507.5	469.8	92.6
DMS	480.5	444.3	92.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8106	0.515	104.2	0.0
Duplicate	8070	0.513	103.7	0.4
Triplicate	8140	0.517	104.6	0.4

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7470	0.512	100.8	0.4
Duplicate	7436	0.509	100.4	0.8
Triplicate	7592	0.520	102.5	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8075	0.491	102.2	0.4
Duplicate	7914	0.481	100.2	1.6
Triplicate	8139	0.495	103.0	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251759-77797

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID** 251759-77797 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.231	0.245	93.5	99.2	5.9
MeSH	<PQL	0.254	0.231	0.253	91.0	99.7	9.1
DMS	<PQL	0.240	0.241	0.260	100.3	108.2	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.482	97.6
MeSH	0.508	0.501	98.7
DMS	0.481	0.484	100.7

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22904	515	104.2	0.1
Duplicate	22920	515	104.3	0.0
Triplicate	22956	516	104.4	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20368	530	104.5	0.2
Duplicate	20373	530	104.5	0.1
Triplicate	20463	533	104.9	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22538	499	103.9	0.1
Duplicate	22484	498	103.6	0.2
Triplicate	22555	500	104.0	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251759-77795**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 251759-77795 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	246.2	255.9	99.7	103.6	3.8
MeSH	<PQL	253.8	258.0	272.9	101.7	107.6	5.6
DMS	<PQL	240.3	260.0	261.1	108.2	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	482.3	97.6
MeSH	507.5	486.2	95.8
DMS	480.5	455.3	94.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

251759

Sulfur D1

Form Serial Number **CES F1-02106**	For Information Regarding These Samples Please Contact: **Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 Cell: 530-200-2473 SCHMIDTCE@aol.com	Client Address and Phone Number ***3900 Kilroy Airport Way, Suite 100*** ***Long Beach, CA 90806 562-743-7895***
Client Name ***SCS*** ***Chiquita Canyon Landfill***		Laboratory Name ***Atmospheric Analysis and Consulting***
Project Manager ***Pat Sullivan***		Laboratory Address ***2225 Sperry Avenue*** ***Ventura, CA 93003***
Requested Completion Date		Laboratory Phone ***805-650-1642***
		Laboratory Contact ***John Yokoyama*** jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77771 77772	7/15/2025	836		x	S- 101 a/b	2	X			X		
77773 77774	7/15/2025	831		x	S- 102 a/b	2	X			X		
77775 77776	7/15/2025	818		x	S- 103 a/b	2	X			X		
77777 77778	7/15/2025	853		x	S- 104 a/b	2	X			X		
77779 77780	7/15/2025	1003		x	S- 105 a/b	2	X			X		
77781 77782	7/15/2025	950		x	S- 106 a/b	2	X			X		
77783 77784	7/15/2025	1005		x	S- 107 a/b	2	X			X		
77785 77786	7/15/2025	954		x	S- 108 a/b	2	X			X		
77787 77788	7/15/2025	1104		x	S- 109 a/b	2	X			X		
77789 77790	7/15/2025	1054		x	S- 110 a/b	2	X			X		
77791 77792	7/15/2025	1103		x	S- 111 a/b	2	X			X		
77793 77794	7/15/2025	1109		x	S- 112 a/b	2	X			X		
77795 77796	7/15/2025	1115		x	S- 113 a/b	2	X			X		
77797 77798	7/15/2025	1143		x	S- 114 a/b	2	X			X		

Sampler CE Schmidt	Date/Time 7/15/25 1154	Relinquished by CE Schmidt 1154	Date/Time 7/15/25 1154	HAZWRAP/NEESA Y N QC Level 1 2 3	
Recieved by STEVE PECHO	Date/Time 7/15/25 1334	Relinquished by SP 7/15	Date/Time 7/15/25 1407	COC	Ice
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req	Temp ***AMB***
Recieved by Laboratory JG	Date/Time 7/15/25 1505	Sample Shipped Via UPS FEDEX BUS Hand Other	Air Bill No.	Cust Seal Sample Condition	pH
Remarks					

File: Sulfur Forms.xlsb Form: Sulfur COC D1

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 251767
REPORT DATE	: 07/18/2025

On July 16th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 201 a	251767-77839	S- 208 a	251767-77853
S- 201 b	251767-77840	S- 208 b	251767-77854
S- 202 a	251767-77841	S- 209 a	251767-77855
S- 202 b	251767-77842	S- 209 b	251767-77856
S- 203 a	251767-77843	S- 210 a	251767-77857
S- 203 b	251767-77844	S- 210 b	251767-77858
S- 204 a	251767-77845	S- 211 a	251767-77859
S- 204 b	251767-77846	S- 211 b	251767-77860
S- 205 a	251767-77847	S- 212 a	251767-77861
S- 205 b	251767-77848	S- 212 b	251767-77862
S- 206 a	251767-77849	S- 213 a	251767-77863
S- 206 b	251767-77850	S- 213 b	251767-77864
S- 207 a	251767-77851	S- 214 a	251767-77865
S- 207 b	251767-77852	S- 214 b	251767-77866

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 7 pages.

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251767
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/16/2025
RECEIVING DATE : 07/16/2025
ANALYSIS DATE : 07/16/2025
REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 201 a	S- 202 a	S- 203 a	S- 204 a	S- 205 a
AAC ID	251767-77839	251767-77841	251767-77843	251767-77845	251767-77847
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.011**	**0.005**	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	**0.005**	< 0.005	< 0.005
Total Reduced Sulfurs	**0.011**	**0.005**	**0.005**	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251767
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/16/2025
RECEIVING DATE : 07/16/2025
ANALYSIS DATE : 07/16/2025
REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 206 a	S- 207 a	S- 208 a	S- 209 a	S- 210 a
AAC ID	251767-77849	251767-77851	251767-77853	251767-77855	251767-77857
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251767
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/16/2025
RECEIVING DATE : 07/16/2025
ANALYSIS DATE : 07/16/2025
REPORT DATE : 07/18/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 211 a	S- 212 a	S- 213 a	S- 214 a
AAC ID	251767-77859	251767-77861	251767-77863	251767-77865
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8106	0.515	104.2	0.0
Duplicate	8070	0.513	103.7	0.4
Triplicate	8140	0.517	104.6	0.4

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7470	0.512	100.8	0.4
Duplicate	7436	0.509	100.4	0.8
Triplicate	7592	0.520	102.5	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8075	0.491	102.2	0.4
Duplicate	7914	0.481	100.2	1.6
Triplicate	8139	0.495	103.0	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251759-77797

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID** 251759-77797 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.231	0.245	93.5	99.2	5.9
MeSH	<PQL	0.254	0.231	0.253	91.0	99.7	9.1
DMS	<PQL	0.240	0.241	0.260	100.3	108.2	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.482	97.6
MeSH	0.508	0.501	98.7
DMS	0.481	0.484	100.7

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/16/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22904	515	104.2	0.1
Duplicate	22920	515	104.3	0.0
Triplicate	22956	516	104.4	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20368	530	104.5	0.2
Duplicate	20373	530	104.5	0.1
Triplicate	20463	533	104.9	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22538	499	103.9	0.1
Duplicate	22484	498	103.6	0.2
Triplicate	22555	500	104.0	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251759-77795**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 251759-77795 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	246.2	255.9	99.7	103.6	3.8
MeSH	<PQL	253.8	258.0	272.9	101.7	107.6	5.6
DMS	<PQL	240.3	260.0	261.1	108.2	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	482.3	97.6
MeSH	507.5	486.2	95.8
DMS	480.5	455.3	94.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

251767

CE Schmidt, PhD, Environmental Consultant — **Sulfur D2**

Chain of Custody Record

| | | |

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	Environmental Management Consulting
PROJECT NAME	:	SCS Chiquita Canyon Landfill
PROJECT NUMBER	:	CES F1-02106
AAC PROJECT NO.	:	251777
REPORT DATE	:	07/21/2025

On July 17th 2025, Atmospheric Analysis & Consulting, Inc. received twenty-eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 301 a	251777-77899	S- 308 a	251777-77913
S- 301 b	251777-77900	S- 308 b	251777-77914
S- 302 a	251777-77901	S- 309 a	251777-77915
S- 302 b	251777-77902	S- 309 b	251777-77916
S- 303 a	251777-77903	S- 310 a	251777-77917
S- 303 b	251777-77904	S- 310 b	251777-77918
S- 304 a	251777-77905	S- 311 a	251777-77919
S- 304 b	251777-77906	S- 311 b	251777-77920
S- 305 a	251777-77907	S- 312 a	251777-77921
S- 305 b	251777-77908	S- 312 b	251777-77922
S- 306 a	251777-77909	S- 313 a	251777-77923
S- 306 b	251777-77910	S- 313 b	251777-77924
S- 307 a	251777-77911	S- 314 a	251777-77925
S- 307 b	251777-77912	S- 314 b	251777-77926

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251777
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/17/2025
RECEIVING DATE : 07/17/2025
ANALYSIS DATE : 07/17/2025
REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 301 a	S- 302 a	S- 303 a	S- 304 a	S- 305 a
AAC ID	251777-77899	251777-77901	251777-77903	251777-77905	251777-77907
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251777
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/17/2025
RECEIVING DATE : 07/17/2025
ANALYSIS DATE : 07/17-18/2025
REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 306 a	S- 307 a	S- 308 a	S- 309 a	S- 310 a
AAC ID	251777-77909	251777-77911	251777-77913	251777-77915	251777-77917
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251777
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/17/2025
RECEIVING DATE : 07/17/2025
ANALYSIS DATE : 07/17-18/2025
REPORT DATE : 07/21/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 311 a	S- 312 a	S- 313 a	S- 314 a
AAC ID	251777-77919	251777-77921	251777-77923	251777-77925
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/17/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8138	0.517	104.6	0.1
Duplicate	8153	0.518	104.8	0.1
Triplicate	8145	0.517	104.7	0.0

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7497	0.514	101.2	2.0
Duplicate	7696	0.527	103.9	0.6
Triplicate	7754	0.531	104.7	1.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8067	0.491	102.1	1.5
Duplicate	8215	0.500	104.0	0.3
Triplicate	8281	0.504	104.8	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251491-76701**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 251491-76701 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.242	0.243	98.0	98.4	0.4
MeSH	<PQL	0.254	0.235	0.248	92.6	97.7	5.4
DMS	<PQL	0.240	0.246	0.250	102.4	104.1	1.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.487	98.6
MeSH	0.508	0.493	97.1
DMS	0.481	0.473	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/17/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22695	510	103.2	0.4
Duplicate	22513	506	102.4	0.4
Triplicate	22627	508	102.9	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	20130	524	103.2	0.8
Duplicate	20411	531	104.7	0.5
Triplicate	20366	530	104.4	0.3

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22051	488	101.7	1.4
Duplicate	22659	502	104.5	1.3
Triplicate	22409	496	103.3	0.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251491-76701**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 251491-76701 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	245.4	253.6	99.3	102.7	3.3
MeSH	<PQL	253.8	245.4	268.4	96.7	105.8	9.0
DMS	<PQL	240.3	243.2	258.4	101.2	107.6	6.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	451.7	91.4
MeSH	507.5	478.3	94.2
DMS	480.5	449.2	93.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7622	0.484	98.0	0.5
Duplicate	7631	0.485	98.1	0.4
Triplicate	7723	0.490	99.3	0.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7380	0.505	99.6	0.4
Duplicate	7286	0.499	98.3	0.8
Triplicate	7377	0.505	99.6	0.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8087	0.492	102.4	0.1
Duplicate	8126	0.494	102.9	0.3
Triplicate	8084	0.492	102.3	0.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251777-77917**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 251777-77917 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.236	0.245	95.5	99.2	3.7
MeSH	<PQL	0.254	0.233	0.255	91.8	100.5	9.0
DMS	<PQL	0.240	0.237	0.259	98.6	107.8	8.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.540	109.3
MeSH	0.508	0.541	106.6
DMS	0.481	0.528	109.9

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22007	495	100.1	0.2
Duplicate	21963	494	99.9	0.0
Triplicate	21947	493	99.8	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19133	498	98.1	0.4
Duplicate	19148	498	98.2	0.5
Triplicate	18873	491	96.8	0.9

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22494	498	103.7	0.8
Duplicate	22139	490	102.1	0.8
Triplicate	22318	494	102.9	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251777-77925

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 251777-77925 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	248.3	261.9	100.5	106.0	5.3
MeSH	<PQL	253.8	260.6	276.2	102.7	108.8	5.8
DMS	<PQL	240.3	250.4	263.5	104.2	109.7	5.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	527.7	106.8
MeSH	507.5	541.4	106.7
DMS	480.5	512.2	106.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

251777

CE Schmidt, PhD, Environmental Consultant — **Sulfur Da**

Chain of Custody Record

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

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
Atmospheric Analysis and Consulting

Laboratory Address
2225 Sperry Avenue
Ventura, CA 93003

Laboratory Phone
805-650-1642

Laboratory Contact
John Yokoyama
jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number (RD 7/17/25)	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77899	7/17/2025	810		x	S- 301 a/b 77899 77900	2	X			X		
77901	7/17/2025	816		x	S- 302 a/b 77891 77892	2	X			X		
77903	7/17/2025	823		x	S- 303 a/b 77893 77894	2	X			X		
77905	7/17/2025	804		x	S- 304 a/b 77895 77896	2	X			X		
77907	7/17/2025	941		x	S- 305 a/b 77897 77898	2	X			X		
77909	7/17/2025	939		x	S- 306 a/b 77899 77900	2	X			X		
77911	7/17/2025	935		x	S- 307 a/b 77901 77902	2	X			X		
77913	7/17/2025	953		x	S- 308 a/b 77903 77904	2	X			X		
77915	7/17/2025	1052		x	S- 309 a/b 77905 77906	2	X			X		
77917	7/17/2025	1052		x	S- 310 a/b 77907 77908	2	X			X		
77919	7/17/2025	1046		x	S- 311 a/b 77909 77910	2	X			X		
77921	7/17/2025	1042		x	S- 312 a/b 77911 77912	2	X			X		
77923	7/17/2025	1042		x	S- 313 a/b 77913 77914	2	X			X		
77925	7/17/2025	1122		x	S- 314 a/b 77915 77916	2	X			X		

Sampler: CESCHMIDT	Date/Time: 7/17/25 1130	Relinquished by: CESCHMIDT	Date/Time: 7/17/25 1130
Recieved by: APC/STEVE PEIKER	Date/Time: 7/17/25 1343	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time: 7/17/25 1244	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC | Ice
Ana Req | Temp ***AMB***
Cust Seal | pH
Sample Condition

File: Sulfur Forms.xlsb Form: Sulfur COC D3

Atmospheric Analysis & Consulting, Inc

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 251831
REPORT DATE	: 07/25/2025

On July 22nd 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 501 a	251831-78126	S- 506 a	251831-78136
S- 501 b	251831-78127	S- 506 b	251831-78137
S- 502 a	251831-78128	S- 507 a	251831-78138
S- 502 b	251831-78129	S- 507 b	251831-78139
S- 503 a	251831-78130	S- 508 a	251831-78140
S- 503 b	251831-78131	S- 508 b	251831-78141
S- 504 a	251831-78132	S- 509 a	251831-78142
S- 504 b	251831-78133	S- 509 b	251831-78143
S- 505 a	251831-78134	S- 510 a	251831-78144
S- 505 b	251831-78135	S- 510 b	251831-78145

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 6 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251831
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2025
RECEIVING DATE : 07/22/2025
ANALYSIS DATE : 07/22/2025
REPORT DATE : 07/25/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 501 a	S- 502 a	S- 503 a	S- 504 a	S- 505 a
AAC ID	251831-78126	251831-78128	251831-78130	251831-78132	251831-78134
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251831
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2025
RECEIVING DATE : 07/22/2025
ANALYSIS DATE : 07/22/2025
REPORT DATE : 07/25/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 506 a	S- 507 a	S- 508 a	S- 509 a	S- 510 a
AAC ID	251831-78136	251831-78138	251831-78140	251831-78142	251831-78144
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8166	0.519	105.0	1.6
Duplicate	8124	0.516	104.4	1.1
Triplicate	7813	0.496	100.4	2.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7321	0.501	98.8	0.7
Duplicate	7509	0.514	101.3	1.9
Triplicate	7285	0.499	98.3	1.2

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7721	0.470	97.7	2.5
Duplicate	8201	0.499	103.8	3.6
Triplicate	7835	0.477	99.2	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251810-78057

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID** 251810-78057 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.240	0.225	97.2	91.1	6.5
MeSH	<PQL	0.254	0.242	0.232	95.4	91.4	4.2
DMS	<PQL	0.240	0.247	0.235	102.8	97.8	5.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.470	95.1
MeSH	0.508	0.477	94.0
DMS	0.481	0.462	96.1

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22355	502	101.7	0.7
Duplicate	22970	516	104.5	2.0
Triplicate	22233	500	101.1	1.3

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19518	508	100.1	2.6
Duplicate	20350	530	104.4	1.6
Triplicate	20227	526	103.7	1.0

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21323	472	98.3	3.8
Duplicate	22715	503	104.7	2.4
Triplicate	22491	498	103.7	1.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251810-78058

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 251810-78058 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	256.7	248.6	103.9	100.7	3.2
MeSH	<PQL	253.8	278.3	269.4	109.7	106.2	3.3
DMS	<PQL	240.3	261.3	260.3	108.8	108.3	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	451.2	91.3
MeSH	507.5	514.7	101.4
DMS	480.5	506.3	105.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CE Schmidt, PhD, Environmental Consultant 251831 **Sulfur D5**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS	Client Address and Phone Number	Laboratory Name
CES F1-02106	**Dr. Charles E. Schmidt**		***3900 Kilroy Airport Way, Suite 100***	***Atmospheric Analysis and Consulting***
Client Name	19200 Live Oak Road, Red Bluff, CA 96080		***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	530-529-4256 Cell: 530-200-2473		Analysis Requested	***2225 Sperry Avenue***
Chiquita Canyon Landfill	SCHMIDTCE@aol.com			***Ventura, CA 93003***
Project Manager				Laboratory Phone
Pat Sullivan				***805-650-1642***
Requested Completion Date				Laboratory Contact
				John Yokoyama
				jqyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
78126 78127	7/22/2025	1016		x	S- 501 a/b	2	X			X		
78128 78129	7/22/2025	1021		x	S- 502 a/b	2	X			X		
78130 78131	7/22/2025	1023		x	S- 503 a/b	2	X			X		
78132 78133	7/22/2025	1023		x	S- 504 a/b	2	X			X		
78134 78135	7/22/2025	1125		x	S- 505 a/b	2	X			X		
78136 78137	7/22/2025	1120		x	S- 506 a/b	2	X			X		
78138 78139	7/22/2025	1123		x	S- 507 a/b	2	X			X		
78140 78141	7/22/2025	1117		x	S- 508 a/b	2	X			X		
78142 78143	7/22/2025	1117		x	S- 509 a/b	2	X			X		
78144 78145	7/22/2025	1145		x	S- 510 a/b	2	X			X		

Sampler	CESchmidt	Date/Time 7/22/25 1200	Relinquished by CESchmidt	Date/Time 7/22/25 1200	HAZWRAP/NEESA Y N	
Recieved by	Steve Pedrero	Date/Time 7/22/25 1337	Relinquished by	Date/Time	QC Level 1 2 3	
Recieved by	ATC	Date/Time	Relinquished by	Date/Time	COC	Ice
Recieved by Laboratory		Date/Time 7/22/25 1337	Sample Shipped Via UPS FEDEX BUS Hand Other	Air Bill No.	Ana Req	Temp ***AMB***
Remarks					Cust Seal	pH
					Sample Condition	

File: Sulfur Forms.xlsb Form: Sulfur COC D5

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	Environmental Management Consulting
PROJECT NAME	:	SCS Chiquita Canyon Landfill
PROJECT NUMBER	:	CES F1-02106
AAC PROJECT NO.	:	251839
REPORT DATE	:	07/28/2025

On July 23rd 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 601 a	251839-78167	S- 606 a	251839-78177
S- 601 b	251839-78168	S- 606 b	251839-78178
S- 602 a	251839-78169	S- 607 a	251839-78179
S- 602 b	251839-78170	S- 607 b	251839-78180
S- 603 a	251839-78171	S- 608 a	251839-78181
S- 603 b	251839-78172	S- 608 b	251839-78182
S- 604 a	251839-78173	S- 609 a	251839-78183
S- 604 b	251839-78174	S- 609 b	251839-78184
S- 605 a	251839-78175	S- 610 a	251839-78185
S- 605 b	251839-78176	S- 610 b	251839-78186

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 6 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251839
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/23/2025
RECEIVING DATE : 07/23/2025
ANALYSIS DATE : 07/23/2025
REPORT DATE : 07/28/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 601 a	S- 602 a	S- 603 a	S- 604 a	S- 605 a
AAC ID	251839-78167	251839-78169	251839-78171	251839-78173	251839-78175
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251839
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/23/2025
RECEIVING DATE : 07/23/2025
ANALYSIS DATE : 07/23/2025
REPORT DATE : 07/28/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 606 a	S- 607 a	S- 608 a	S- 609 a	S- 610 a
AAC ID	251839-78177	251839-78179	251839-78181	251839-78183	251839-78185
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21171	476	96.3	2.7
Duplicate	21901	492	99.6	0.6
Triplicate	22227	499	101.1	2.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19307	503	99.0	3.2
Duplicate	20165	525	103.4	1.1
Triplicate	20380	530	104.5	2.2

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	21247	471	97.9	3.9
Duplicate	22506	499	103.8	1.8
Triplicate	22541	499	103.9	2.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 251491-76701 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	244.1	241.4	98.8	97.7	1.1
MeSH	<PQL	253.8	250.3	264.3	98.7	104.2	5.4
DMS	<PQL	240.3	246.8	258.8	102.7	107.7	4.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	482.2	97.6
MeSH	507.5	492.0	97.0
DMS	480.5	460.0	95.7

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8102	0.515	104.2	1.0
Duplicate	7817	0.496	100.5	2.6
Triplicate	8149	0.518	104.8	1.6

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7212	0.494	97.3	1.5
Duplicate	7166	0.491	96.7	2.2
Triplicate	7596	0.520	102.5	3.7

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7720	0.470	97.7	2.3
Duplicate	7795	0.474	98.7	1.4
Triplicate	8196	0.498	103.7	3.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis Sample ID 251491-76701

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate Sample ID 251491-76701 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.231	0.231	93.5	93.5	0.0
MeSH	<PQL	0.254	0.229	0.237	90.2	93.4	3.4
DMS	<PQL	0.240	0.237	0.244	98.6	101.6	2.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.534	108.1
MeSH	0.508	0.547	107.8
DMS	0.481	0.526	109.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CE Schmidt, PhD, Environmental Consultant 251839 **Sulfur Dc**

Chain of Custody Record

| | | |

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	Environmental Management Consulting
PROJECT NAME	:	SCS Chiquita Canyon Landfill
PROJECT NUMBER	:	CES F1-02106
AAC PROJECT NO.	:	251796
REPORT DATE	:	07/22/2025

On July 18th 2025, Atmospheric Analysis & Consulting, Inc. received twenty (20) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
S- 401 a	251796-77979	S- 406 a	251796-77989
S- 401 b	251796-77980	S- 406 b	251796-77990
S- 402 a	251796-77981	S- 407 a	251796-77991
S- 402 b	251796-77982	S- 407 b	251796-77992
S- 403 a	251796-77983	S- 408 a	251796-77993
S- 403 b	251796-77984	S- 408 b	251796-77994
S- 404 a	251796-77985	S- 409 a	251796-77995
S- 404 b	251796-77986	S- 409 b	251796-77996
S- 405 a	251796-77987	S- 410 a	251796-77997
S- 405 b	251796-77988	S- 410 b	251796-77998

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. All "b" samples were placed on hold and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 6 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251796
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/18/2025
RECEIVING DATE : 07/18/2025
ANALYSIS DATE : 07/18/2025
REPORT DATE : 07/22/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 401 a	S- 402 a	S- 403 a	S- 404 a	S- 405 a
AAC ID	251796-77979	251796-77981	251796-77983	251796-77985	251796-77987
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 251796
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/18/2025
RECEIVING DATE : 07/18/2025
ANALYSIS DATE : 07/18/2025
REPORT DATE : 07/22/2025

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S- 406 a	S- 407 a	S- 408 a	S- 409 a	S- 410 a
AAC ID	251796-77989	251796-77991	251796-77993	251796-77995	251796-77997
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 02/01/2025

Opening Calibration Verification Standard

0.494 ppmV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7622	0.484	98.0	0.5
Duplicate	7631	0.485	98.1	0.4
Triplicate	7723	0.490	99.3	0.8

0.508 ppmV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7380	0.505	99.6	0.4
Duplicate	7286	0.499	98.3	0.8
Triplicate	7377	0.505	99.6	0.4

0.481 ppmV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8087	0.492	102.4	0.1
Duplicate	8126	0.494	102.9	0.3
Triplicate	8084	0.492	102.3	0.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251777-77917**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 251777-77917 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.247	0.236	0.245	95.5	99.2	3.7
MeSH	<PQL	0.254	0.233	0.255	91.8	100.5	9.0
DMS	<PQL	0.240	0.237	0.259	98.6	107.8	8.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.494	0.540	109.3
MeSH	0.508	0.541	106.6
DMS	0.481	0.528	109.9

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/18/2025
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date: : 02/10/2025

Opening Calibration Verification Standard

494.0 ppbV H2S (GC-091924-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22007	495	100.1	0.2
Duplicate	21963	494	99.9	0.0
Triplicate	21947	493	99.8	0.1

507.5 ppbV MeSH (GC-091924-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	19133	498	98.1	0.4
Duplicate	19148	498	98.2	0.5
Triplicate	18873	491	96.8	0.9

480.5 ppbV DMS (GC-091924-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	22494	498	103.7	0.8
Duplicate	22139	490	102.1	0.8
Triplicate	22318	494	102.9	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 251777-77925**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 251777-77925 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	247.0	248.3	261.9	100.5	106.0	5.3
MeSH	<PQL	253.8	260.6	276.2	102.7	108.8	5.8
DMS	<PQL	240.3	250.4	263.5	104.2	109.7	5.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	494.0	527.7	106.8
MeSH	507.5	541.4	106.7
DMS	480.5	512.2	106.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

251796

Sulfur D4

Form Serial Number	For Information Regarding These Samples Please Contact:	Client Address and Phone Number	Laboratory Name
CES F1-02106	**Dr. Charles E. Schmidt**	***3900 Kilroy Airport Way, Suite 100***	***Atmospheric Analysis and Consulting***
Client Name	19200 Live Oak Road, Red Bluff, CA 96080	***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	530-529-4256 Cell: 530-200-2473		***2225 Sperry Avenue***
Chiquita Canyon Landfill	SCHMIDTCE@aol.com		***Ventura, CA 93003***
Project Manager			Laboratory Phone
Pat Sullivan			***805-650-1642***
Requested Completion Date			Laboratory Contact
			John Yokoyama
			jqyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
77979 77980	7/18/2025	804		x	S- 401 a/b	2	X			X		
77981 77982	7/18/2025	810		x	S- 402 a/b	2	X			X		
77983 77984	7/18/2025	812		x	S- 403 a/b	2	X			X		
77985 77986	7/18/2025	857		x	S- 404 a/b	2	X			X		
QA	7/18/2025	~~857~~		x	S- 405 a/b 77987 77988	2	X			X		
77989 77990	7/18/2025	901		x	S- 406 a/b	2	X			X		
77991 77992	7/18/2025	909		x	S- 407 a/b	2	X			X		
77993 77994	7/18/2025	908		x	S- 408 a/b	2	X			X		
77995 77996	7/18/2025	911		x	S- 409 a/b	2	X			X		
77997 77998	7/18/2025	940		x	S- 410 a/b	2	X			X		

Sampler	Date/Time 7/18/25 1000	Relinquished by	Date/Time 7/18/25 1000	HAZWRAP/NEESA Y N	
Recieved by	Date/Time	Relinquished by	Date/Time	QC Level 1 2 3	
				COC	Ice
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req	Temp ***AMB***
				Cust Seal	pH
Recieved by Laboratory	Date/Time 7/18/25 1054	Sample Shipped Via UPS FEDEX BUS Hand Other	Air Bill No.	Sample Condition	
Remarks					

File: Sulfur Forms.xlsb Form: Sulfur COC D4

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

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1636346773

MONITORING DATE: 7-18-25 TIME: 0645

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
6.3 ppm	6.9 ppm	6.6 ppm

Background Value = 6.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	503 ppm	450 ppm	5
#2	502 ppm	450 ppm	4
#3	503 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			4.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	503 ppm	3
#2	0.8 ppm	502 ppm	2
#3	0.8 ppm	503 ppm	3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.5% #DIV/0! Must be less than 10%

Performed By: Michael Rue Date/Time: 7-18-25/0645

Attachment 2
Source Test Protocol

Chiquita Canyon Landfill
Castaic, California

Additional Assessment of Air Emissions From Landfill Surfaces



Sampling Protocol

Revision 0

December 2023

Prepared by

Thomas R. Card
Environmental Management Consulting
41125 278th Way SE, Enumclaw, WA 98022 USA
360-802-5540 trcard@EnvManCon.com

Charles E. Schmidt, PhD
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 schmidtce@aol.com

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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).

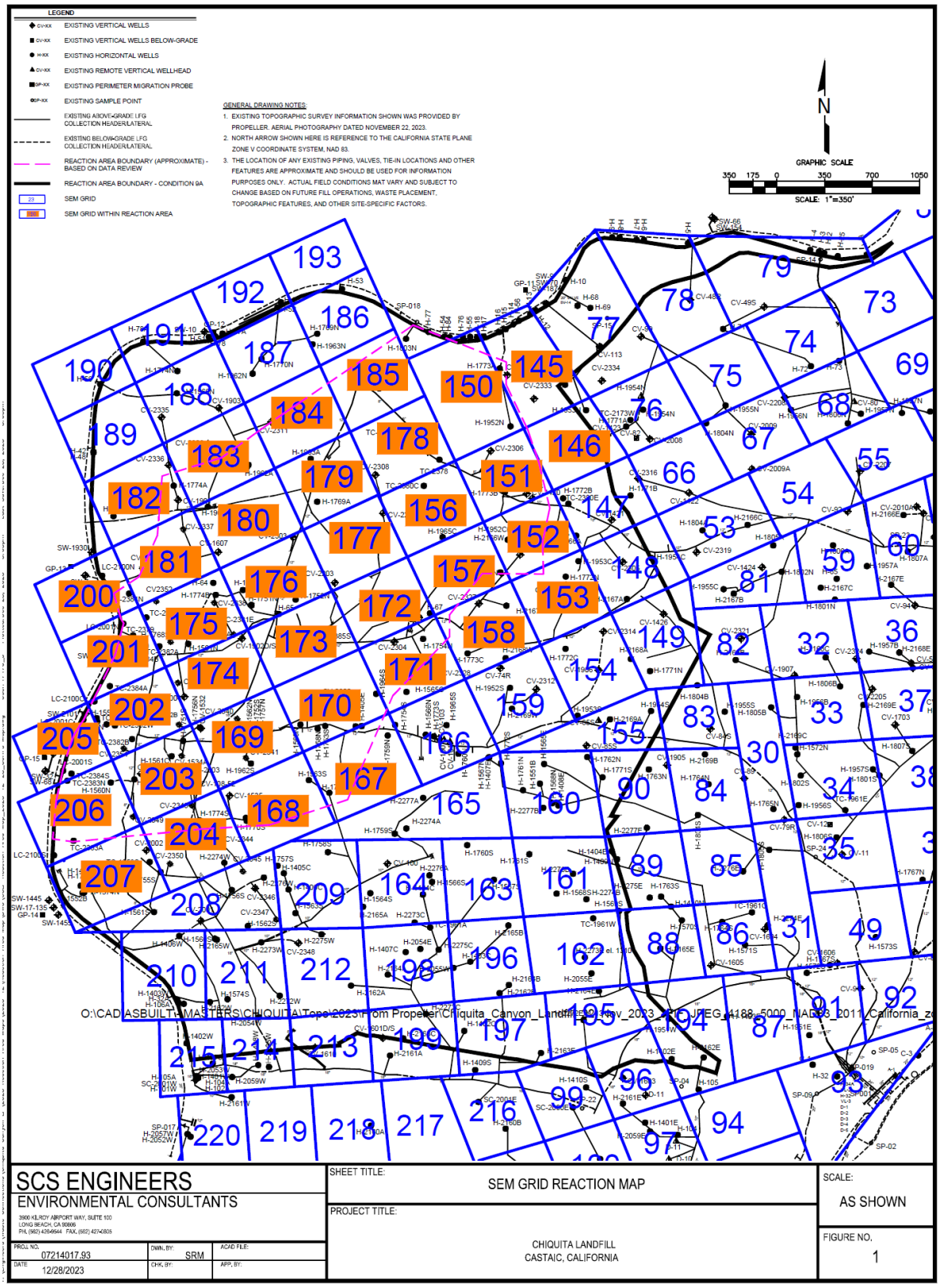


Figure 4.2 Typical Serpentine Landfill Walk Pattern for a 50,000 Square Foot Grid (from Rule 1150.1).

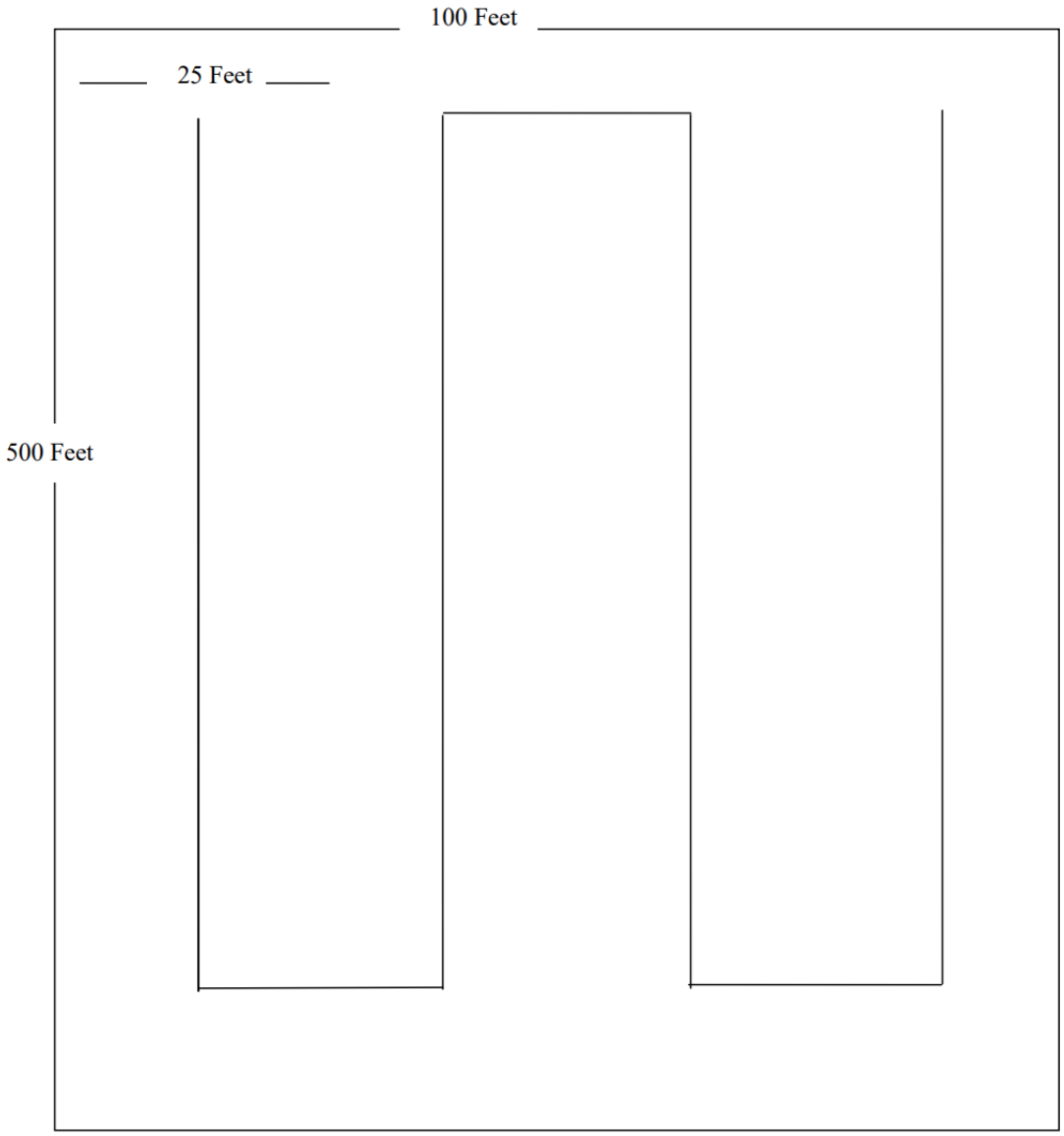


Table 4.1 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (5/1/2023 – 7/25/2023 used as an example) (ppmv FID as methane). High Emission Cells

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 _____

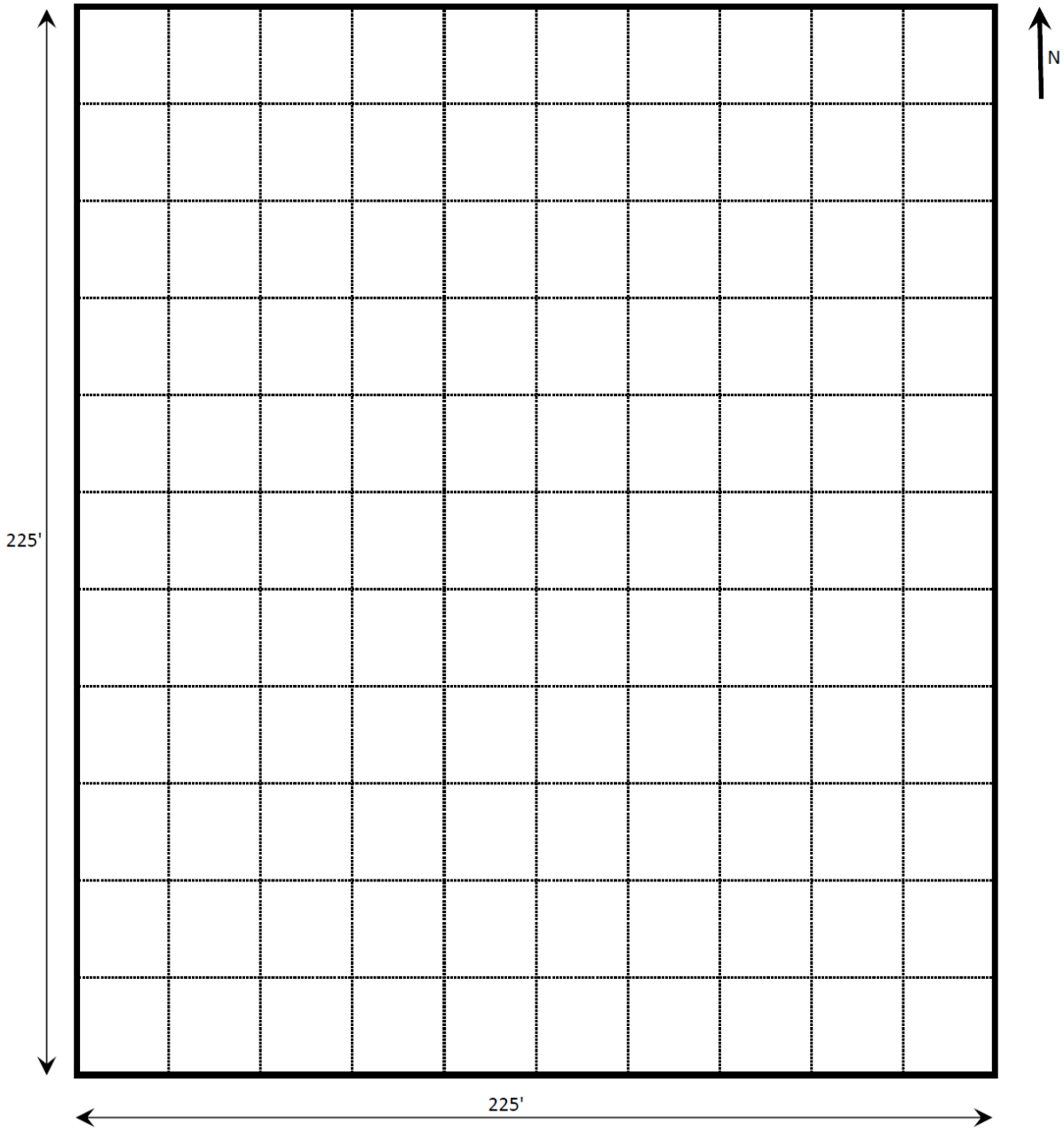


Photo 4.1 Typical Field Screening to Determine Flux Chamber Sampling Locations.



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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_____
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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 Container		

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

Chiquita Canyon Landfill
Castaic, California

DRAFT

ADDENDUM 06/23/2025

Post Remediation Assessment of Air Emissions From Landfill Surfaces



Sampling Protocol Addendum

Revision 0

June 2025

Prepared by

Thomas R. Card
Environmental Management Consulting
41125 278th Way SE, Enumclaw, WA 98022 USA
360-802-5540 trcard@earthlink.net

Charles E. Schmidt, PhD
19200 Live Oak Road, Red Bluff, CA 96080
530-529-4256 schmidtce@aol.com

ADDENDUM No. 3

1. Introduction

This Addendum (No. 3) was produced to document proposed changes in the air emissions assessment program ongoing at the Chiquita Canyon Landfill (CCL), a municipal solid waste (MSW) landfill located in northern Los Angeles County. These proposed changes relate to revision the technical approach so as to more accurately assess the emissions from the changing surface conditions at the landfill. This addendum is intended for future flux testing events starting with the next event scheduled for July 2025. This document serves as an Addendum to the flux testing protocol, dated December 28, 2023, which was approved by the South Coast Air Quality Management District (SCAQMD).

In accordance with Condition 12.i of the Stipulated Order for Abatement (SOFA) (Case No. 6177-4) between the South Coast Air Quality Management District (SCAQMD) and Chiquita Canyon, LLC, CCL is required to conduct additional flux chamber studies 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 study, as detailed in the revised SOFA, dated November 13, 2024, are provided below.

> *Respondent has conducted an initial flux chamber study pursuant to the direction of the Los Angeles County Department of Public Health. Respondent shall conduct landfill gas flux studies for, at a minimum, methane, non-methane organic compounds ("NMOC"), speciated hydrocarbons (C2-C12), toxic air contaminants (TAC) analyzed by EPA Method TO-15 (including acrolein and additionally at least the ten highest concentration tentatively identified compounds), total reduced sulfur ("TRS"), and speciated sulfur compounds to determine the surface flux throughout the landfill starting with Quarter Four 2024 and once every four months thereafter. The studies shall be conducted through the use of dynamic flux chambers oriented at various locations throughout the landfill site, according to a South Coast AQMD approved protocol. Respondent shall prepare a proposed protocol(s) for the studies and shall submit the protocol(s) 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 at least 75 days prior to the start of the month in which the test is planned, unless otherwise approved in writing by South Coast AQMD. A previous flux study protocol, reviewed and approved by South Coast AQMD, may be used if the proposed testing will follow all aspects of the prior South Coast AQMD approved protocol, with the exception of the testing/sampling locations on site. Reports detailing the operational conditions, methodology, quantity of tests and locations, sampling location determination, sampling results, data analysis, emission results, discussion of the results, and comparison of previous flux chamber test results to the current results shall be submitted by no later than 45 days after the end of the month during which a test was conducted, or no later than 90 days after South Coast AQMD approves the protocol, whichever is later, 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)], unless otherwise approved in writing by South Coast AQMD. The initial flux study report, covering the flux study for the fourth quarter of year 2024, shall be submitted*

earlier than the schedule indicated above, by January 15, 2025 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), unless otherwise approved in writing by South Coast AQMD. Respondent shall provide notice of the test date for each test 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)] at least 14 days prior to the scheduled test.

The assessment technologies to be used for the testing event, as with the prior events, will include the U.S. Environmental Protection Agency (USEPA) surface emission isolation flux chamber (flux chamber). This preferred USEPA technology as modified and described by the SCAQMD Rule 1133.3, Attachment A is a dynamic chamber method for direct measurement on advective area sources.

As required by the SOFA, this protocol is being submitted more than 75 days prior to the testing event scheduled for the middle of November 2025, within four months of the previous test during the week of July 14, 2025. Although this Protocol addendum is not being submitted 75 days prior to the July 2025 event, we are hopeful that the SCAQMD will consider it for this event.

Proposed Changes to the Testing Program

Current Program

The historic technical approach for the prior assessments is shown in Table 1 below.

Proposed Program

The air emission assessment (Event #5) planned for the weeks of July 14th and July 21st will be executed as shown in Table 1. At present, a significant portion of the 'reaction area' has been covered by a polymer membrane which changes the approach that might be used to assess the current condition of the landfill. This will require additional testing to properly evaluate the covered area of the reaction area.

Based on the data from prior testing events, it is clear that the assessment should make the membrane covered reaction area a separate source category. The proposed program is providing for two new source categories for the air emissions assessment:

1. The Polymer Membrane Cover
2. The interface between the Polymer Membrane Cover and the Soil Cover

It is anticipated that this additional testing will provide an accurate air emissions assessment of the landfill, including the membrane cover. Note that the proposed enhanced data set can be used to calculate the emissions using the old source category distribution. The air emissions will be calculated by both the historical source category distribution and the new source category distribution in order to assess the value of the increased scope.

Table 1 – Historic Scope of Flux Chamber Work for the Scheduled Assessment at Chiquita Canyon LF.

	Historical Scope		Proposed Scope		
Source Category	**Source Level**	**Number of Sample Sets**	**Source SubCategory**	**Source Level**	**Number of Sample Sets**
Non-Reaction Area	High	4		High	4
	Med	4		Med	4
	Med	4		Med	4
	Low	4		Low	4
Reaction Area	HIgh	4	Soil	High	4
				Med	4
	Med	4		Med	4
				Low	4
			Polymer Membrane	High	4
	Med	4		Low	4
			Membrane/Soil Interface	High	4
				Med	4
	Low	4		Med	4
				Low	4
	Exceedance	4	Exceedance		4
Repeat		4			
Total Sample Locations		**36**			**60**
Projected QA/QC		6			10
Total Sample Set Count		42			70