Second Quarter 2024 Enhanced Air Monitoring Report, Chiquita Canyon Landfill (Revised)

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SCS ENGINEERS

01204123.21 Task 11 | August 15, 2024

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This Revised Second Quarter 2024 Enhanced Air Monitoring Report for the Chiquita Canyon Landfill, located at 29201 Henry Mayo Drive, Castaic, California, was prepared and reviewed by the following:



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1.0 INTRODUCTION

This revised Second Quarter 2024 EAMP Air Monitoring Report has been prepared upon discovery of a data discrepancy where the continuous monitoring data was inadvertently included in the discrete sampling results. This discrepancy has led to inflated values for detections in the discrete sampling results.

This revised submittal covers the period from April 1 to June 30, 2024 and has been prepared for the Los Angeles County Department of Public Health (DPH) by SCS Engineers (SCS) on behalf of Chiquita Canyon, LLC (Chiquita) as part of Chiquita's enhanced air monitoring program (EAMP) for the Chiquita Canyon Landfill (Landfill). The enhanced air monitoring program recommendations were presented in an August 15, 2023 workplan (Workplan) submitted to DPH. After consultation with Chiquita's toxicologists from the Center for Toxicology and Environmental Health (CTEH), the EAMP was further expanded to include collection of weekly 24-hour composite samples analyzed for volatile organic compounds (VOCs) and total reduced sulfur (TRS) at the seven off-site monitoring station locations (MS-06 through MS-12).

Please note, in response to the Unilateral Administrative Order (UAO) issued by the United States Environmental Protection Agency (EPA) on February 21, 2024, an updated Workplan was implemented for the EAMP to address the requirements of the UAO. In addition, both the BTEX and TRS monitors at MS-12 were removed during the reporting period to allow room for the installation of the micro-GC as required by the Modified Stipulated Order for Abatement with South Coast Air Quality Management District (SCAQMD); as such, the dataset for this location will be incomplete.

In accordance with the Workplan dated May 2024, the EAMP includes the following components:

- Weekly TRS, odor, and expanded VOC grab sampling at all 12 monitoring station (MS or station) locations.
- Weekly TRS, odor, and expanded VOC grab sampling at two additional on-site locations and three additional off-site locations (17 locations in total).
- Installation of continuous TRS monitors at the MS-04 monitoring station location.
- Installation of continuous benzene, toluene, ethylbenzene, and total xylene (BTEX) monitor at the MS-04 monitoring station location.
- Installation of micro-GCs at two (2) offsite locations (MS-10 and MS-12) to monitor an expanded list of VOCs as part of the Modified Stipulated Order For Abatement (SOFA). A complete list of analytes is found in Table 1 of the updated Workplan.

A map showing the locations of the monitoring stations and additional sampling locations is included as **Figure 1**. As shown on **Figure 1**, MS-01 through MS-05 are located around the perimeter of the Landfill, MS-06 through MS-12 are located in the community surrounding the Landfill, and the additional sampling locations are located along Hasley Canyon Road and Chiquito Canyon Road.

A summary of the methods, results and analysis of the data collected from the 2nd quarter of 2024 is presented below. In addition, all monitoring data referenced in this report has been provided to DPH under separate cover via monthly monitoring updates. Per the request of DPH, copies of the raw analytical and monitoring data that was previously provided have been included in this report A copy of the Monthly EAMP Reports during the 2nd quarter of 2024 are included in **Appendix A**.

2.0 QUARTERLY MONITORING AND SAMPLING SUMMARY

CONTINUOUS MONITORING

Chiquita has a network of twelve air monitoring stations with seven stations located throughout the community surrounding the Landfill (MS-06 through MS-12) and the remaining five stations located on-site (MS-01 through MS-05), around the Landfill perimeter.

Beginning in late August and into early September 2023, SCS added two additional monitoring modules to MS-04 and MS-12. MS-04 is located in the northwest corner of the Landfill. MS-12 is located in the community of Val Verde, approximately 0.5 miles northwest of the Landfill. The additional modules provide continuous SO_2 measurement. As of June 26, 2024, SCS added continuous SO_2 modules for all remaining onsite and offsite air monitoring stations.

DISCRETE SAMPLING

Discrete Samples

On a weekly basis, seventeen (17) grab samples are taken at various community and on-site locations, including both the reaction area and the working face. Grab samples collected are analyzed for an expanded list of VOCs, TRS, and odor.

Samples are analyzed for VOCs using U.S. Environmental Protection Agency (EPA) Method TO-15. TRS samples are analyzed using South Coast Air Quality Management District (SCAQMD) Method 307.91. Odor samples are analyzed using a Scentroid SS400 Six Station Portable Olfactometer (SS400), a method compliant with American Society for Testing and Materials (ASTM) E679-04. Results of the odor samples for the reporting period are contained in the Monthly EAMP Reports included in **Appendix A**.

The analytes are listed in **Table 1** below.

Table 1. Discrete and Time-Composite Sample Analyte List

SCAQMD Method 307.91 Analytes			
2-Methylthiophene	Diethyl Sulfide	Isopropyl Mercaptan	tert-Butyl Mercaptan
3-Methylthiophene	Dimethyl Disulfide	Methyl Mercaptan	Tetrahydrothiophene
Bromothiophene	Dimethyl Sulfide (DMS)	Methylethylsulfide	Thiophenol
Carbon Disulfide	Ethyl Mercaptan	n-Butyl Mercaptan	Total Reduced Sulfurs
Carbonyl Sulfide (COS/SO2)	Hydrogen Sulfide (H2S)	n-Propyl Mercaptan	Total Unidentified Sulfur
Diethyl Disulfide	iso-Butyl Mercaptan	sec-Butyl Mercaptan/Thiophene	
EPA Method TO-15 Analytes			
1,1,1-Trichloroethane	2-Butanone (MEK)	Chloroethane	Methanol
1,1,2,2-Tetrachloroethane	2-Hexanone (MBK)	Chloroform	Methyl Tert Butyl Ether (MTBE)
1,1,2-Trichloroethane	2-Propanol (IPA)	Chloromethane	Methylene Chloride (DCM)
1,1-Dichloroethane	4-Ethyltoluene	cis-1,2-Dichloroethene	o-Xylene
1,1-Dichloroethene	4-Methyl-2-pentanone (MiBK)	cis-1,3-Dichloropropene	Propene
1,2,4-Trichlorobenzene	Acetone	Cyclohexane	Styrene
1,2,4-Trimethylbenzene	Acrylonitrile	Dibromochloromethane	Tetrachloroethene (PCE)
1,2-Dibromoethane	Allyl Chloride	Dichlorodifluoromethane	Tetrahydrofuran
1,2-Dichlorobenzene	Benzene	Dichlorofluoromethane	Toluene
1,2-Dichloroethane	Benzyl Chloride (4-Chlorotoluene)	Dichlorotetrafluoroethane	trans-1,2-Dichloroethene
1,2-Dichloropropane	Bromodichloromethane	Ethanol	trans-1,3-Dichloropropene
1,3,5-Trimethylbenzene	Bromoform	Ethyl Acetate	Trichloroethene (TCE)
1,3-Butadiene	Bromomethane	Ethylbenzene	Trichlorofluoromethane
1,3-Dichlorobenzene	Carbon Disulfide	Heptane	Trichlorotrifluoroethane
1,4-Dichlorobenzene	Carbon Tetrachloride	Hexachlorobutadiene	Vinyl Acetate
1,4-Dioxane	Chlorobenzene	Hexane	Vinyl Bromide
2,2,4-Trimethylpentane	Chlorodifluoromethane	m & p-Xylene	Vinyl Chloride

Note: Some analytical reports may have less analytes, depending on laboratory capabilities.

Time-Composite Samples

In addition to weekly discrete sampling, seven (7) 24-hour time-composited air samples are collected from the seven (7) off-site air monitoring stations (MS-06 through MS-12). Time-composite samples are collected over a 24-hour period and analyzed for the same constituents as the discrete samples (refer to **Table 1**).

3.0 DATA REVIEW

CONTINUOUS MONITORING

SCS compiled the continuous monitoring data into 24-hour averages for BTEX and TRS. The BTEX 24-hour average data for MS-04 is provided in **Table 2** (attached). The TRS hourly averaged data are provided in **Table 3** (attached). Please note, the BTEX units at MS-04 and MS-12 were removed on May 15, 2024 and March 26, 2024 respectively, thus only BTEX data is provided for MS-04 during the reporting period. In addition, the TRS units at MS-04 and MS-12 were removed on May 3, 2024 consistent with the Enhanced Air Monitoring Program Modification Workplan dated January 29, 2024 and submitted to DPH and SCAQMD.

BTEX Data

As shown in **Table 2**, during the reporting period, 24-hour average BTEX data was available for MS-04 for 25% of the first quarter (23 out of 91 days). As stated in the previous section, the BTEX unit at MS-04 was taken offline on May 15, 2024 due to reliability concerns outlined in the January 29, 2024 submission.

The BTEX monitoring station that was located at MS-04 contained sensors with a detection limit of 0.10 ppb; as such, any readings below 0.10 ppb are considered non-detected values. Benzene detections ranged from 0.10 to 2.02 parts per billion (ppb). Toluene was only detected at MS-04 with readings ranging from 0.10 to 0.86 ppb. Ethylbenzene was detected with readings ranging from 0.10 to 0.78 ppb. Total xylenes were detected with readings ranging from 0.10 to 2.58 ppb. As both BTEX units have been removed during the reporting period, this will be the last quarterly report to cover data collected from these air monitoring stations for BTEX.

TRS Data

Results for the hourly TRS data for MS-04 and MS-12 are included in **Appendix A.** Continuous TRS displayed readings ranging from 0.50 to 45.64 ppb. Please note, the downtime reflected in **Appendix A** are a result of a combination of insufficient power supply, rainwater infiltration in the modules, and delays in receiving replacement parts for the units. As stated in the April 2024 Monthly EAMP Report, the TRS unit at MS-12 was taken out of service in March 2024 and reinstalled April 23, 2024; in addition, the previous power system in place was unable to sustain continuous TRS monitoring at that location resulting in data gaps during the month of April 2024.

As continuous TRS data for MS-12 during the reporting period was limited, a daily TRS trend is not available for this location. **Figure 2** includes a daily TRS trend for MS-04 for the reporting period.

Micro-GC Data

In response to the modified SOFA issued by SCAQMD on January 17, 2024, two micro-GC units were installed at MS-10 and MS-12 by the May 1, 2024 deadline. The continuous air monitoring results are hosted online through the Chiquita Canyon website. A link to the real time, continuous data is found below:

https://chiquitacanyon.com/reports/community-air-monitoring-program/

Data is publicly available for viewing and download on the website.

For the period May 1, 2024, to June 30, 2024, the micro-GC units at MS-10 and MS-12 were functioning continuously with minor interruptions from power and connection failures. Over the reporting period, there was variation in the measured compounds, but no strong trend of increasing or decreasing concentrations.

The California Office of Environmental Health Hazard Assessment (OEHHA) establishes Acute Reference Exposure Levels (Acute RELs) for airborne compounds. The Acute REL for a compound is defined as the concentration level at or below which no adverse health effects are anticipated for 1 hour of exposure to the compound. The micro-GCs measure compounds hourly, which provides data that can be directly compared to Acute RELs. Of the compounds measured, Isopropyl Alcohol (IPA), 2-Butanone, Benzene, Toluene, Methanol, and m,p-Xylene have an OEHHA Acute REL. During the past

quarter, the micro-GCs have not detected any of these compounds at or above their corresponding OEHHA Acute REL on a one-hour basis at either micro-GC station. In addition, all constituents did not exceed any of their other respective RELs (Chronic or 8-hour), with the exception of benzene. Benzene did not exceed its acute or chronic REL, but did exceed the 8-hour REL on the following days:

MS-10 exceeded the benzene 8-hour REL using a rolling 8-hour average on May 30 and 31, 2024.

MS-12 exceeded the benzene 8-hour REL using a rolling 8-hour average on April 22, and June 5, 11, 16, and 26, 2024.

DISCRETE SAMPLING

During the second quarter of 2024, a total of 735 analytical samples were collected from the discrete sampling locations. The locations, as well as the number of samples collected at each location during the reporting period are presented in Table 4 below.

Table 4. Discrete Analytical Samples

Location		Samples Collected During Reporting Period
On-Site	Reaction Area	26
	Working Face	26
	MS-01	24
	MS-02	24
	MS-03	26
	MS-04	26
	MS-05	26
Off-Site	MS-06	68
	MS-07	68
	MS-08	68
	MS-09	68
	MS-10	72
	MS-11	65
	MS-12	70
	SCV	26
	S. End of Lincoln	26
	Chiquito Canyon Rd.	26

*Note: Although the sampling strategy involves weekly sampling, accessibility issues impacted the total number of samples collected across various sampling locations.

VOC Data

During the reporting period, a total of 377 samples were analyzed for a total of 59 to 68 different individual VOCs. 31 individual VOCs were detected in each of the 377 samples analyzed. This results in a total individual VOC detections of 973 out of 25,854 results analyzed.

TRS Data

During the reporting period, sulfur compounds were detected in 102 samples. A summary of the TRS detections in the 102 samples is provided in **Table 5** (attached).

Odor Data

In the second quarter of 2024, for on-site samples, the highest odors were detected from samples collected from the reaction area, with concentrations ranging from 1,113 to 14,142 ou/m^3.

In the second quarter of 2024, for off-site samples, the highest odors were detected from samples collected from samples taken from along Chiquito Canyon Road in addition to samples taken from MS-08 (Val Verde Park), with concentrations ranging from 312 to 5,946 ou/m^3.

TIME-COMPOSITE SAMPLING

During the second quarter of 2024, a total of 299, 24-hour time composite samples were collected from the 7 off-site monitoring stations, MS-06 through MS-12. Samples collected were analyzed using EPA Method TO-15 and SCAQMD Method 307.91. Sampling results are discussed below.

VOC Data

During the reporting period, a total of 299 samples were collected and analyzed for any of 58 different individual VOCs. Out of the 299 samples analyzed, 139 samples detected one or more VOCs.

TRS Data

Of the 299 time-composite samples analyzed for TRS, 39 of the samples detected TRS constituents.

RAW DATA

In response to the DPH Response to the First Quarter 2024 Enhanced Air Monitoring Report issued on June 6, 2024; raw data from the Monthly EAMP Reports for the reporting period are now included in **Appendix A.**

CTEH SUPPLEMENTARY ANALYSIS

At the request of CCL, and in response to the DPH's June 6, 2024 letter, CTEH prepared a supplementary analysis for this report which can be found in **Appendix B.**

Tables

Table 2. MS-04 24-Hour BTEX Averages
April 1, 2024 - June 30, 2024

Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
	(parts per billion by volume)			
4/1/2024	--	--	--	--
4/2/2024	--	--	--	--
4/3/2024	--	--	--	--
4/4/2024	--	--	--	--
4/5/2024	--	--	--	--
4/6/2024	--	--	--	--
4/7/2024	--	--	--	--
4/8/2024	--	--	--	--
4/9/2024	--	--	--	--
4/10/2024	--	--	--	--
4/11/2024	--	--	--	--
4/12/2024	--	--	--	--
4/13/2024	--	--	--	--
4/14/2024	--	--	--	--
4/15/2024	--	--	--	--
4/16/2024	--	--	--	--
4/17/2024	--	--	--	--
4/18/2024	--	--	--	--
4/19/2024	--	--	--	--
4/20/2024	--	--	--	--
4/21/2024	--	--	--	--
4/22/2024	0.45	0.11	*<0.10*	0.21
4/23/2024	--	--	--	--
4/24/2024	*<0.10*	*<0.10*	*<0.10*	0.18
4/25/2024	0.12	*<0.10*	*<0.10*	0.13
4/26/2024	0.25	*<0.10*	*<0.10*	0.13
4/27/2024	0.28	*<0.10*	*<0.10*	0.12
4/28/2024	0.2	*<0.10*	*<0.10*	0.11
4/29/2024	0.24	*<0.10*	*<0.10*	*<0.10*
4/30/2024	0.14	*<0.10*	*<0.10*	0.1
5/1/2024	0.44	*<0.10*	*<0.10*	0.1
5/2/2024	0.27	*<0.10*	*<0.10*	0.11
5/3/2024	0.14	*<0.10*	*<0.10*	0.11
5/4/2024	*<0.10*	0.86	*<0.10*	0.12
5/5/2024	0.28	*<0.10*	0.61	0.1
5/6/2024	0.27	*<0.10*	*<0.10*	0.1
5/7/2024	0.21	*<0.10*	*<0.10*	2.58
5/8/2024	0.21	*<0.10*	*<0.10*	0.1
5/9/2024	0.27	0.14	*<0.10*	0.74
5/10/2024	1.04	*<0.10*	*<0.10*	1.47
5/11/2024	0.46	*<0.10*	0.78	0.16
5/12/2024	0.72	0.12	*<0.10*	0.16
5/13/2024	0.18	*<0.10*	*<0.10*	0.23
5/14/2024	2.02	*<0.10*	*<0.10*	0.11
5/15/2024	*<0.10*	*<0.10*	*<0.10*	*<0.10*

Table 3. TRS Continuous Daily Averaged Data
April 1, 2024 - June 30, 2024

Date	MS-04	MS-12
	(ppbv)	
4/1/2024	1.31	--
4/2/2024	6.00	--
4/3/2024	2.80	--
4/4/2024	6.08	--
4/5/2024	3.95	--
4/6/2024	1.50	--
4/7/2024	2.47	--
4/8/2024	4.48	--
4/9/2024	2.18	--
4/10/2024	4.58	--
4/11/2024	4.75	--
4/12/2024	5.44	--
4/13/2024	3.17	--
4/14/2024	4.63	--
4/15/2024	3.49	--
4/16/2024	3.48	--
4/17/2024	4.21	--
4/18/2024	4.46	--
4/19/2024	9.47	--
4/20/2024	7.91	--
4/21/2024	10.87	--
4/22/2024	8.03	--
4/23/2024	4.59	1.25
4/24/2024	9.43	0.70
4/25/2024	<0.5	<0.5
4/26/2024	3.09	<0.5
4/27/2024	3.06	<0.5
4/28/2024	3.34	<0.5
4/29/2024	8.33	<0.5
4/30/2024	3.11	--
5/1/2024	3.35	--
5/2/2024	4.64	<0.5
5/3/2024	3.42	--
5/4/2024	--	--
5/5/2024	--	--
5/6/2024	--	--
5/7/2024	--	--
5/8/2024	--	--
5/9/2024	--	--
5/10/2024	--	--
5/11/2024	--	--
5/12/2024	--	--
5/13/2024	--	--
5/14/2024	--	--

Table 3. TRS Continuous Daily Averaged Data
April 1, 2024 - June 30, 2024

Date	MS-04	MS-12
	(ppbv)	
5/15/2024	--	--
5/16/2024	--	--
5/17/2024	--	--
5/18/2024	--	--
5/19/2024	--	--
5/20/2024	--	--
5/21/2024	--	--
5/22/2024	--	--
5/23/2024	--	--
5/24/2024	--	--
5/25/2024	--	--
5/26/2024	--	--
5/27/2024	--	--
5/28/2024	--	--
5/29/2024	--	--
5/30/2024	--	--
5/31/2024	--	--
6/1/2024	--	--
6/2/2024	--	--
6/3/2024	--	--
6/4/2024	--	--
6/5/2024	--	--
6/6/2024	--	--
6/7/2024	--	--
6/8/2024	--	--
6/9/2024	--	--
6/10/2024	--	--
6/11/2024	--	--
6/12/2024	--	--
6/13/2024	--	--
6/14/2024	--	--
6/15/2024	--	--
6/16/2024	--	--
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6/22/2024	--	--
6/23/2024	--	--
6/24/2024	--	--
6/25/2024	--	--
6/26/2024	--	--
6/27/2024	--	--
6/28/2024	--	--
6/29/2024	--	--
6/30/2024	--	--

Table 5. TRS Analytical Summary
April 1, 2024 - June 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
MS-06	4/2/2024	Hydrogen Sulfide	0.046	ppmV	Grab
MS-06	4/2/2024	Total Reduced Sulfurs	0.046	ppmV	Grab
MS-07	4/2/2024	Hydrogen Sulfide	0.043	ppmV	Grab
MS-07	4/2/2024	Total Reduced Sulfurs	0.043	ppmV	Grab
MS-08	4/2/2024	Hydrogen Sulfide	0.018	ppmV	Grab
MS-08	4/2/2024	Total Reduced Sulfurs	0.018	ppmV	Grab
MS-09	4/2/2024	Hydrogen Sulfide	0.016	ppmV	Grab
MS-09	4/2/2024	Total Reduced Sulfurs	0.016	ppmV	Grab
MS-10	4/2/2024	Hydrogen Sulfide	0.059	ppmV	Grab
MS-10	4/2/2024	Total Reduced Sulfurs	0.059	ppmV	Grab
MS-12	4/2/2024	Hydrogen Sulfide	0.02	ppmV	Grab
MS-12	4/2/2024	Total Reduced Sulfurs	0.02	ppmV	Grab
SCV	4/2/2024	Hydrogen Sulfide	0.03	ppmV	Grab
SCV	4/2/2024	Total Reduced Sulfurs	0.03	ppmV	Grab
S. End Lincoln	4/2/2024	Hydrogen Sulfide	0.023	ppmV	Grab
S. End Lincoln	4/2/2024	Total Reduced Sulfurs	0.023	ppmV	Grab
Chiquito Cyn Rd	4/2/2024	Hydrogen Sulfide	0.028	ppmV	Grab
Chiquito Cyn Rd	4/2/2024	Total Reduced Sulfurs	0.028	ppmV	Grab
MS-03	4/2/2024	Hydrogen Sulfide	0.028	ppmV	Grab
MS-03	4/2/2024	Total Reduced Sulfurs	0.028	ppmV	Grab
MS-04	4/2/2024	Hydrogen Sulfide	0.01	ppmV	Grab
MS-04	4/2/2024	Total Reduced Sulfurs	0.01	ppmV	Grab
MS-05	4/2/2024	Hydrogen Sulfide	0.022	ppmV	Grab
MS-05	4/2/2024	Total Reduced Sulfurs	0.022	ppmV	Grab
Reaction	4/2/2024	Hydrogen Sulfide	0.027	ppmV	Grab
Reaction	4/2/2024	Total Reduced Sulfurs	0.027	ppmV	Grab
Working Face	4/2/2024	Hydrogen Sulfide	0.017	ppmV	Grab
Working Face	4/2/2024	Total Reduced Sulfurs	0.017	ppmV	Grab
MS-06	4/9/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-06	4/9/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
MS-07	4/9/2024	Hydrogen Sulfide	0.005	ppmV	Grab
MS-07	4/9/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
MS-08	4/9/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-08	4/9/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-03	4/9/2024	Hydrogen Sulfide	0.01	ppmV	Grab
MS-03	4/9/2024	Total Reduced Sulfurs	0.01	ppmV	Grab
MS-04	4/9/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-04	4/9/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
Reaction	4/9/2024	Hydrogen Sulfide	0.011	ppmV	Grab
Reaction	4/9/2024	Dimethyl Sulfide	0.012	ppmV	Grab
Reaction	4/9/2024	Total Reduced Sulfurs	0.023	ppmV	Grab
Working Face	4/9/2024	Hydrogen Sulfide	0.01	ppmV	Grab
Working Face	4/9/2024	Total Reduced Sulfurs	0.01	ppmV	Grab
MS-06	4/16/2024	Hydrogen Sulfide	0.01	ppmV	Grab
MS-06	4/16/2024	Total Reduced Sulfurs	0.01	ppmV	Grab
MS-07	4/16/2024	Hydrogen Sulfide	0.009	ppmV	Grab
MS-07	4/16/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-08	4/16/2024	Hydrogen Sulfide	0.011	ppmV	Grab

Table 5. TRS Analytical Summary
April 1, 2024 - June 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
MS-08	4/16/2024	Total Reduced Sulfurs	0.011	ppmV	Grab
MS-10	4/16/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-10	4/16/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
MS-12	4/16/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-12	4/16/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
S. End Lincoln	4/16/2024	Hydrogen Sulfide	0.007	ppmV	Grab
S. End Lincoln	4/16/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
MS-01	4/16/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-01	4/16/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
MS-04	4/16/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-04	4/16/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-05	4/16/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-05	4/16/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
Reaction	4/16/2024	Hydrogen Sulfide	0.008	ppmV	Grab
Reaction	4/16/2024	Dimethyl Sulfide	0.005	ppmV	Grab
Reaction	4/16/2024	Total Reduced Sulfurs	0.013	ppmV	Grab
Working Face	4/16/2024	Hydrogen Sulfide	0.01	ppmV	Grab
Working Face	4/16/2024	Total Reduced Sulfurs	0.01	ppmV	Grab
Reaction	4/23/2024	Dimethyl Sulfide	0.009	ppmV	Grab
Reaction	4/23/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-07	5/14/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-07	5/14/2024	Ethyl Mercaptan	0.007	ppmV	Grab
MS-07	5/14/2024	Total Reduced Sulfurs	0.014	ppmV	Grab
MS-09	5/14/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-09	5/14/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
MS-11	5/14/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-11	5/14/2024	Ethyl Mercaptan	0.008	ppmV	Grab
MS-11	5/14/2024	Total Reduced Sulfurs	0.016	ppmV	Grab
Chiquito Cyn Rd	5/14/2024	Hydrogen Sulfide	0.006	ppmV	Grab
Chiquito Cyn Rd	5/14/2024	Ethyl Mercaptan	0.009	ppmV	Grab
Chiquito Cyn Rd	5/14/2024	Total Reduced Sulfurs	0.015	ppmV	Grab
MS-01	5/14/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-01	5/14/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
MS-02	5/14/2024	Hydrogen Sulfide	0.013	ppmV	Grab
MS-02	5/14/2024	Methyl Mercaptan	0.014	ppmV	Grab
MS-02	5/14/2024	Ethyl Mercaptan	0.008	ppmV	Grab
MS-02	5/14/2024	Total Reduced Sulfurs	0.035	ppmV	Grab
MS-05	5/14/2024	Hydrogen Sulfide	0.016	ppmV	Grab
MS-05	5/14/2024	Total Reduced Sulfurs	0.016	ppmV	Grab
Reaction	5/14/2024	Hydrogen Sulfide	0.008	ppmV	Grab
Reaction	5/14/2024	Ethyl Mercaptan	0.007	ppmV	Grab
Reaction	5/14/2024	Total Reduced Sulfurs	0.015	ppmV	Grab
Working Face	5/14/2024	Dimethyl Sulfide	0.016	ppmV	Grab
Working Face	5/14/2024	Total Reduced Sulfurs	0.016	ppmV	Grab
Reaction	4/30/2024	Dimethyl Sulfide	0.008	ppmV	Grab
Reaction	4/30/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
MS-07	5/21/2024	Hydrogen Sulfide	0.011	ppmV	Grab
MS-07	5/21/2024	Total Reduced Sulfurs	0.011	ppmV	Grab

Table 5. TRS Analytical Summary
April 1, 2024 - June 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
Reaction	5/21/2024	Dimethyl Sulfide	0.005	ppmV	Grab
Reaction	5/21/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
Reaction	6/3/2024	Dimethyl Sulfide	0.013	ppmV	Grab
Reaction	6/3/2024	Total Reduced Sulfurs	0.013	ppmV	Grab
MS-07	6/10/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-07	6/10/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-01	6/10/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-01	6/10/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-02	6/10/2024	Hydrogen Sulfide	0.026	ppmV	Grab
MS-02	6/10/2024	Total Reduced Sulfurs	0.026	ppmV	Grab
MS-04	6/10/2024	Hydrogen Sulfide	0.01	ppmV	Grab
MS-04	6/10/2024	n-Butyl Mercaptan	0.014	ppmV	Grab
MS-04	6/10/2024	Total Reduced Sulfurs	0.024	ppmV	Grab
MS-05	6/10/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-05	6/10/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
Working Face	6/10/2024	Hydrogen Sulfide	0.014	ppmV	Grab
Working Face	6/10/2024	Total Reduced Sulfurs	0.014	ppmV	Grab
Reaction	6/10/2024	Hydrogen Sulfide	0.016	ppmV	Grab
Reaction	6/10/2024	Total Reduced Sulfurs	0.016	ppmV	Grab
MS-02	6/17/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-02	6/17/2024	Methyl Mercaptan	0.014	ppmV	Grab
MS-02	6/17/2024	Dimethyl Disulfide	0.028	ppmV	Grab
MS-02	6/17/2024	Total Unidentified Sulfur	0.006	ppmV	Grab
MS-02	6/17/2024	Total Reduced Sulfurs	0.056	ppmV	Grab
MS-04	6/17/2024	Hydrogen Sulfide	0.005	ppmV	Grab
MS-04	6/17/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
Reaction	6/17/2024	Dimethyl Sulfide	0.011	ppmV	Grab
Reaction	6/17/2024	Total Reduced Sulfurs	0.011	ppmV	Grab
Working Face	6/17/2024	Hydrogen Sulfide	0.005	ppmV	Grab
Working Face	6/17/2024	Dimethyl Disulfide	0.007	ppmV	Grab
Working Face	6/17/2024	Total Reduced Sulfurs	0.012	ppmV	Grab
MS-11	6/17/2024	Dimethyl Disulfide	0.005	ppmV	Grab
MS-11	6/17/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
Chiquito Cyn Rd	6/17/2024	Dimethyl Disulfide	0.005	ppmV	Grab
Chiquito Cyn Rd	6/17/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
MS-10	6/24/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-10	6/24/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
MS-01	6/24/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-01	6/24/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-04	6/24/2024	Hydrogen Sulfide	0.006	ppmV	Grab
MS-04	6/24/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
Reaction	6/24/2024	Hydrogen Sulfide	0.035	ppmV	Grab
Reaction	6/24/2024	Methyl Mercaptan	0.023	ppmV	Grab
Reaction	6/24/2024	Dimethyl Sulfide	0.22	ppmV	Grab
Reaction	6/24/2024	Methylethylsulfide	0.007	ppmV	Grab
Reaction	6/24/2024	sec-Butyl Mercaptan / Thiophene	0.011	ppmV	Grab
Reaction	6/24/2024	Dimethyl Disulfide	0.014	ppmV	Grab
Reaction	6/24/2024	Total Reduced Sulfurs	0.31	ppmV	Grab

Table 5. TRS Analytical Summary
April 1, 2024 - June 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
MS-06	5/13/2024	Ethyl Mercaptan	0.007	ppmV	24 h
MS-06	5/13/2024	Hydrogen Sulfide	0.017	ppmV	24 h
MS-06	5/13/2024	Total Reduced Sulfurs	0.024	ppmV	24 h
MS-06	5/20/2024	Hydrogen Sulfide	0.008	ppmV	24 h
MS-06	5/20/2024	Total Reduced Sulfurs	0.008	ppmV	24 h
MS-06	6/10/2024	Dimethyl Disulfide	0.021	ppmV	24 h
MS-06	6/10/2024	Hydrogen Sulfide	0.006	ppmV	24 h
MS-06	6/10/2024	Total Reduced Sulfurs	0.021	ppmV	24 h
MS-06	6/17/2024	Dimethyl Disulfide	0.01	ppmV	24 h
MS-06	6/17/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-07	4/1/2024	Hydrogen Sulfide	0.022	ppmV	24 h
MS-07	4/1/2024	Total Reduced Sulfurs	0.022	ppmV	24 h
MS-07	4/15/2024	Hydrogen Sulfide	0.008	ppmV	24 h
MS-07	4/15/2024	Total Reduced Sulfurs	0.008	ppmV	24 h
MS-07	4/16/2024	Hydrogen Sulfide	0.007	ppmV	24 h
MS-07	4/16/2024	Total Reduced Sulfurs	0.007	ppmV	24 h
MS-07	5/13/2024	COS / SO2	0.28	ppmV	24 h
MS-07	5/13/2024	Hydrogen Sulfide	0.06	ppmV	24 h
MS-07	5/13/2024	Methyl Mercaptan	0.011	ppmV	24 h
MS-07	5/13/2024	Total Reduced Sulfurs	0.071	ppmV	24 h
MS-07	6/17/2024	Total Reduced Sulfurs	0.012	ppmV	24 h
MS-07	6/17/2024	Total Unidentified Sulfur	0.012	ppmV	24 h
MS-08	4/1/2024	Hydrogen Sulfide	0.011	ppmV	24 h
MS-08	4/1/2024	Total Reduced Sulfurs	0.011	ppmV	24 h
MS-08	4/16/2024	Hydrogen Sulfide	0.012	ppmV	24 h
MS-08	4/16/2024	Total Reduced Sulfurs	0.012	ppmV	24 h
MS-08	5/13/2024	Hydrogen Sulfide	0.02	ppmV	24 h
MS-08	5/13/2024	Methyl Mercaptan	0.007	ppmV	24 h
MS-08	5/13/2024	Total Reduced Sulfurs	0.027	ppmV	24 h
MS-08	5/20/2024	Ethyl Mercaptan	0.006	ppmV	24 h
MS-08	5/20/2024	Total Reduced Sulfurs	0.006	ppmV	24 h
MS-08	6/10/2024	Dimethyl Disulfide	0.019	ppmV	24 h
MS-08	6/10/2024	Total Reduced Sulfurs	0.019	ppmV	24 h
MS-08	6/17/2024	Total Reduced Sulfurs	0.008	ppmV	24 h
MS-08	6/17/2024	Total Unidentified Sulfur	0.008	ppmV	24 h
MS-09	4/1/2024	Hydrogen Sulfide	0.016	ppmV	24 h
MS-09	4/1/2024	Total Reduced Sulfurs	0.016	ppmV	24 h
MS-09	4/8/2024	Hydrogen Sulfide	0.009	ppmV	24 h
MS-09	4/8/2024	Total Reduced Sulfurs	0.009	ppmV	24 h
MS-09	4/16/2024	Hydrogen Sulfide	0.01	ppmV	24 h
MS-09	4/16/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-09	5/13/2024	Ethyl Mercaptan	0.008	ppmV	24 h
MS-09	5/13/2024	Hydrogen Sulfide	0.043	ppmV	24 h
MS-09	5/13/2024	Methyl Mercaptan	0.007	ppmV	24 h
MS-09	5/13/2024	Total Reduced Sulfurs	0.058	ppmV	24 h
MS-09	5/20/2024	Ethyl Mercaptan	0.006	ppmV	24 h
MS-09	5/20/2024	Hydrogen Sulfide	0.009	ppmV	24 h
MS-09	5/20/2024	Total Reduced Sulfurs	0.015	ppmV	24 h

Table 5. TRS Analytical Summary
April 1, 2024 - June 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
MS-10	4/1/2024	Hydrogen Sulfide	0.009	ppmV	24 h
MS-10	4/1/2024	Total Reduced Sulfurs	0.009	ppmV	24 h
MS-10	4/2/2024	Hydrogen Sulfide	0.011	ppmV	24 h
MS-10	4/2/2024	Total Reduced Sulfurs	0.011	ppmV	24 h
MS-10	4/9/2024	Hydrogen Sulfide	0.011	ppmV	24 h
MS-10	4/9/2024	Total Reduced Sulfurs	0.011	ppmV	24 h
MS-10	4/16/2024	Hydrogen Sulfide	0.007	ppmV	24 h
MS-10	4/16/2024	Total Reduced Sulfurs	0.007	ppmV	24 h
MS-10	5/13/2024	Ethyl Mercaptan	0.006	ppmV	24 h
MS-10	5/13/2024	Hydrogen Sulfide	0.014	ppmV	24 h
MS-10	5/13/2024	Total Reduced Sulfurs	0.02	ppmV	24 h
MS-10	5/20/2024	Hydrogen Sulfide	0.008	ppmV	24 h
MS-10	5/20/2024	Total Reduced Sulfurs	0.008	ppmV	24 h
MS-10	6/17/2024	Dimethyl Disulfide	0.007	ppmV	24 h
MS-10	6/17/2024	Total Reduced Sulfurs	0.007	ppmV	24 h
MS-11	4/15/2024	Hydrogen Sulfide	0.01	ppmV	24 h
MS-11	4/15/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-11	5/13/2024	Ethyl Mercaptan	0.007	ppmV	24 h
MS-11	5/13/2024	Hydrogen Sulfide	0.009	ppmV	24 h
MS-11	5/13/2024	Total Reduced Sulfurs	0.016	ppmV	24 h
MS-11	5/20/2024	Hydrogen Sulfide	0.006	ppmV	24 h
MS-11	5/20/2024	Total Reduced Sulfurs	0.006	ppmV	24 h
MS-11	6/10/2024	Dimethyl Disulfide	0.007	ppmV	24 h
MS-11	6/10/2024	Total Reduced Sulfurs	0.007	ppmV	24 h
MS-11	6/17/2024	Dimethyl Disulfide	0.01	ppmV	24 h
MS-11	6/17/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-12	4/1/2024	Hydrogen Sulfide	0.014	ppmV	24 h
MS-12	4/1/2024	Total Reduced Sulfurs	0.014	ppmV	24 h
MS-12	4/3/2024	Hydrogen Sulfide	0.01	ppmV	24 h
MS-12	4/3/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-12	4/15/2024	Hydrogen Sulfide	0.008	ppmV	24 h
MS-12	4/15/2024	Total Reduced Sulfurs	0.008	ppmV	24 h
MS-12	4/16/2024	Hydrogen Sulfide	0.01	ppmV	24 h
MS-12	4/16/2024	Total Reduced Sulfurs	0.01	ppmV	24 h
MS-12	5/13/2024	Dimethyl Disulfide	0.013	ppmV	24 h
MS-12	5/13/2024	Ethyl Mercaptan	0.012	ppmV	24 h
MS-12	5/13/2024	Hydrogen Sulfide	0.034	ppmV	24 h
MS-12	5/13/2024	Methyl Mercaptan	0.008	ppmV	24 h
MS-12	5/13/2024	Total Reduced Sulfurs	0.055	ppmV	24 h
MS-12	5/20/2024	Hydrogen Sulfide	0.011	ppmV	24 h
MS-12	5/20/2024	Total Reduced Sulfurs	0.011	ppmV	24 h
MS-12	6/17/2024	Total Reduced Sulfurs	0.018	ppmV	24 h
MS-12	6/17/2024	Total Unidentified Sulfur	0.018	ppmV	24 h

Figure 1

Map of Enhanced Air Monitoring Locations

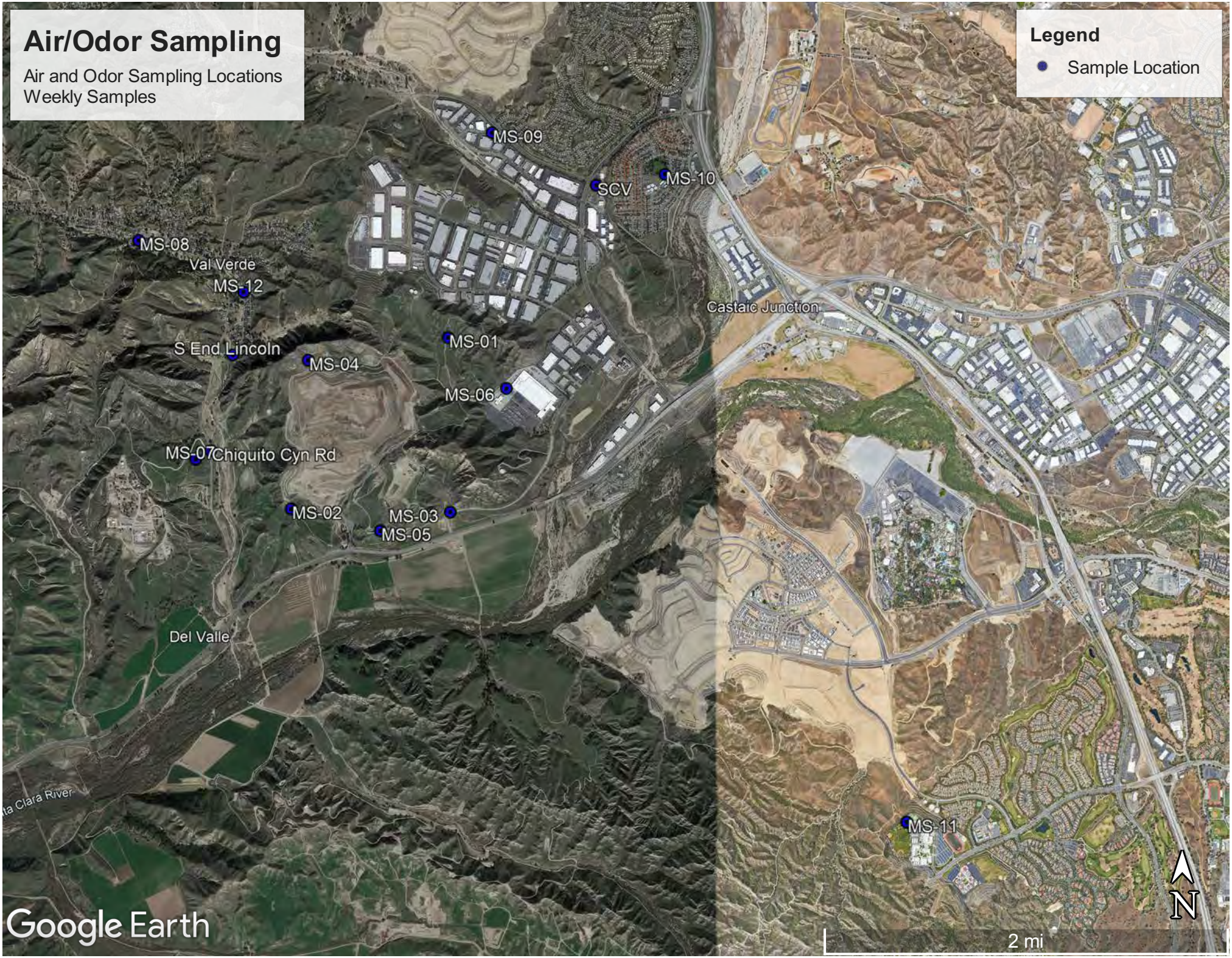

Air/Odor Sampling
Air and Odor Sampling Locations
Weekly Samples
Legend
Sample Location
MS-09
SCV
MS-10
MS-08
Val Verde
MS-12
Castaic Junction
MS-01
S End Lincoln
MS-04
MS-06
MS-07
Chiquito Cyn Rd
MS-02
MS-03
MS-05
Del Valle
MS-11
N
2 mi
Google Earth

Figure 2

Daily Averaged TRS Trends


TRS Daily Averaged Trends
Unit
MS-04
15
10
5
0
TRS ppbv
Apr 07
Apr 14
Apr 21
Apr 28
March

Appendix A

Q2 2024 Monthly EAMP Reports

May 21, 2024
File No. 01204123.21

Dr. Muntu Davis, M.D., M.P.H.
Health Officer
Department of Public Health
Environmental Health
5050 Commerce Drive
Baldwin Park, California 91706

Subject: **Monthly Enhanced Air Monitoring Program Data, April 2024, Chiquita Canyon Landfill**

Dear Dr. Davis:

This submittal has been prepared for the Los Angeles County Department of Public Health (DPH), by **SCS Engineers** (SCS) on behalf of Chiquita Canyon, LLC (Chiquita) as part of the monthly reporting recommendation outlined in the August 15, 2023 letter from Chiquita to DPH (Workplan).

In accordance with the Workplan, SCS has prepared this submittal which contains analytical data from both weekly sampling as well as continuous monitoring data from two enhanced monitoring stations (MS-04 and MS-12). A description of the data contained in the submittal is provided below.

Weekly Sampling Data

Weekly sampling data includes discrete grab samples at all 12 existing air monitoring stations (MS-01 through MS-12) (see **Figure 1**) for an expanded list of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 15 (TO-15), sulfur compounds via South Coast Air Quality Management District (SCAQMD) Method 307.91, and odor using a Scentroid SS400 Six Station Portable Olfactometer (SS400), which is a method compliant with E679-04. Results for the April 2024 weekly grab samples and odor samples are found in **Attachment A** and **Attachment B** respectively.

In addition, the weekly raw analytical data also includes 24-hour samples at each of the seven off-site monitoring station locations (MS-06 through MS-12). Samples are analyzed for the same constituents as the weekly grab sample analysis. Results for the April 24-hr samples are found in **Attachment C.**

Enhanced Continuous Monitoring Data

In August 2023, SCS installed continuous air monitoring modules at existing stations MS-04 and MS-12. The monitors analyze benzene, toluene, ethylbenzene, and total xylenes (BTEX) as well as total reduced sulfur (TRS). The intent of the new monitor module installation is to evaluate the data to determine whether these modules should be incorporated into the existing air monitoring stations on a permanent basis by comparing the data to laboratory data and trending the data to see how the real-time data correlates with the laboratory data from samples collected at the same time.

On February 27, 2024 the TRS unit at MS-12 was relocated to MS-04 to replace the onsite TRS unit that needed repairs. In addition, the existing BTEX unit was removed from MS-12 on March 26, 2024

to make space for the installation the micro gas chromatography (GC) unit as there was no available space within the current permitted enclosure. The removal of the BTEX unit was discussed in the Enhanced Air Monitoring Program Modification Workplan dated January 29, 2024 and submitted to DPH and SCAQMD. Results for the April 2024 continuous BTEX and TRS monitoring data at MS-04 can be found in **Attachment D** and **Attachment E** respectively. Please note, the TRS monitoring station at MS-12 was taken out of service in March for repairs and reinstalled on April 23, 2024; in addition, the previous power system in place was unable to sustain continuous TRS monitoring at that location resulting in data gaps during the month of April. Additionally, the BTEX air monitoring system at MS-04 experienced a module malfunction event which also caused a data gap. SCS contacted the manufacturer to identify and investigate the cause of the malfunction of MS-04's BTEX monitoring system in April. As of May 2, 2024, the BTEX unit at MS-04 has been removed due to reliability concerns outlined in the January 29, 2024 submission and due to the recent malfunction events at the site.

If you have any questions in regard to this submittal, please contact either of the undersigned at (562) 426-9544.

Sincerely,

Stipe Markotic
Staff Scientist
SCS Engineers

Raymond H. Huff, REPA
Project Director
SCS Engineers

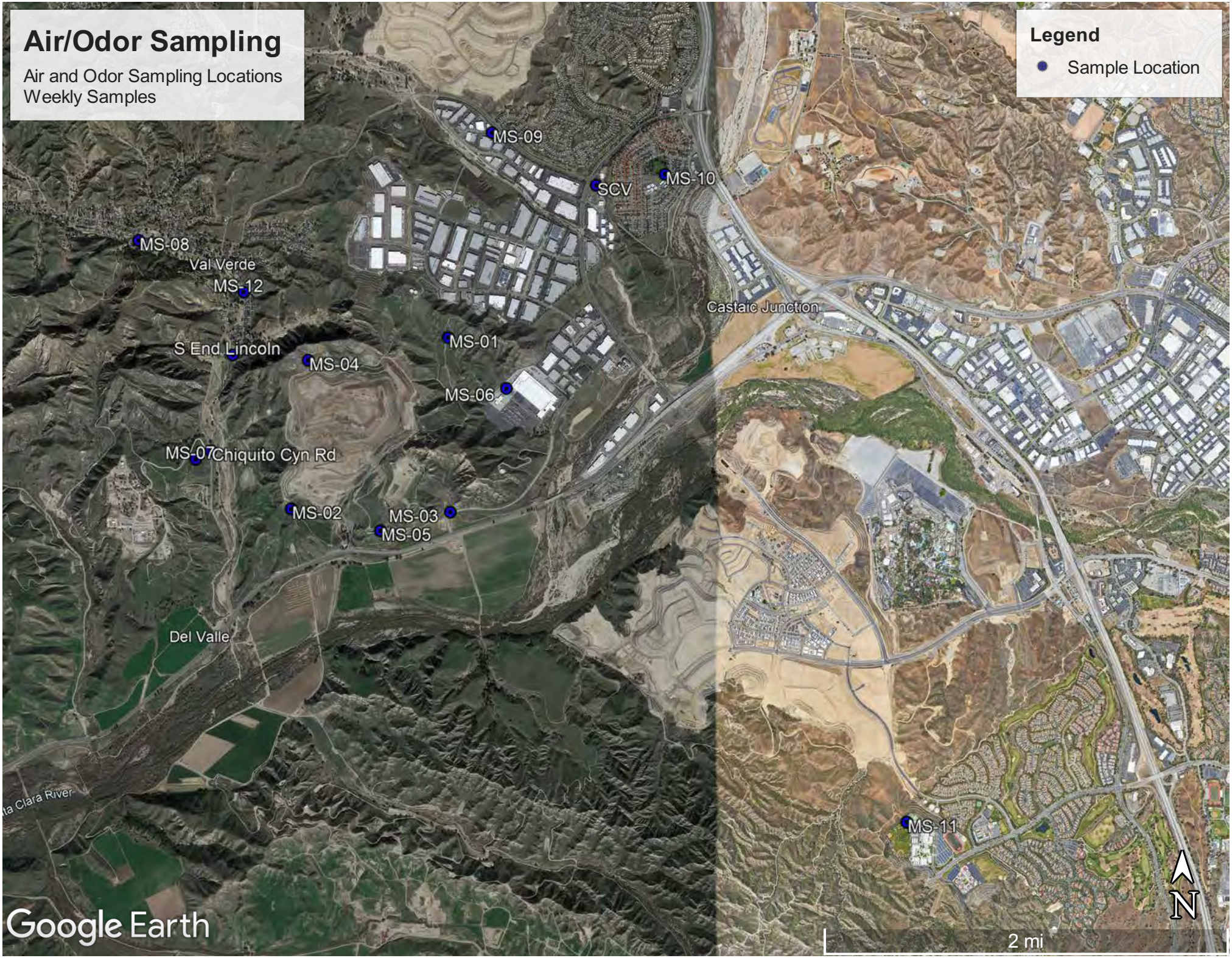
attachments

cc (w/attachments):

Victor Yip (SCAQMD)
Pablo Sanchez-Soria (CTEH)
Edgar De La Torre (LA County Department of Regional Planning)
David Nguyen (PW)
Douglas Cross (Water Resources Control Board)
Shikari Nakagawa-Ota (DPH)
Liza Frias (DPH)
Nichole Quick (DPH)
Joshua Bobrowsky (DPH)
Jacob Kraemer (DPH)
Robert Ragland (DPH)
Blaine McPhillips (County Counsel),
Mark Como (DPH)
Steve Cassulo (CCL)

FIGURE 1

MAP OF AIR MONITORING LOCATIONS


Air/Odor Sampling
Air and Odor Sampling Locations
Weekly Samples
Legend
Sample Location
MS-09
SCV
MS-10
MS-08
Val Verde
MS-12
Castaic Junction
MS-01
S End Lincoln
MS-04
MS-06
MS-07
Chiquito Cyn Rd
MS-02
MS-03
MS-05
Del Valle
MS-11
N
2 mi
Google Earth

ATTACHMENT A

WEEKLY GRAB SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 240716
REPORT DATE : 04/04/2024

On April 2, 2024, Atmospheric Analysis & Consulting, Inc. received fourteen (14) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240716-56151	725.0	S End Lincoln	240716-56158	713.0
MS-07	240716-56152	718.5	Chiquita Cyn Rd	240716-56159	726.5
MS-08	240716-56153	710.0	MS-03	240716-56160	730.0
MS-09	240716-56154	736.0	MS-04	240716-56161	691.5
MS-10	240716-56155	737.0	MS-05	240716-56162	707.0
MS-12	240716-56156	719.5	Reaction	240716-56163	761.0
SCV	240716-56157	734.0	Working Face	240716-56164	704.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 24 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56151				240716-56152				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.40				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.70	0.74		1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.01	12.8		1	7.12	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethanol	4.71		1	2.80	42.5		1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.80	5.77		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.80	3.58		1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.80	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.70	1.24		1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.70	0.77		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.70	0.84		1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56151				240716-56152				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.40				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.40	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		91%				95%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56153				240716-56154				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.43				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Chloromethane	0.82		1	0.72	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Methanol	7.49		1	7.16	<SRL	U	1	6.90	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Ethanol	4.74		1	2.86	<SRL	U	1	2.76	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Acetone	3.78		1	2.86	20.2		1	2.76	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.76	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Benzene	0.95		1	0.72	<SRL	U	1	0.69	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56153				240716-56154				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.43				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.38	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		92%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56155				240716-56156				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.38				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	6.90	13.9		1	7.08	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.76	19.0		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.76	5.35		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.76	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.76	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.69	0.98		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.69	1.12		1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56155				240716-56156				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.38				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		93%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56157				240716-56158				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.38				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	6.91	16.8		1	7.11	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.77	46.7		1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Acetone	2.78		1	2.77	5.88		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.77	3.53		1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.77	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.69	1.20		1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56157				240716-56158				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.38				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.38	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquita Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56159				240716-56160				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.41				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloromethane	0.74		1	0.70	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methanol	9.05		1	7.03	<SRL	U	1	6.96	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethanol	33.1		1	2.81	3.83		1	2.78	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Acetone	6.00		1	2.81	<SRL	U	1	2.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	<SRL	U	1	2.78	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.81	<SRL	U	1	2.78	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquita Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56159				240716-56160				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.41				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		92%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56161				240716-56162				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.47				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	2.01		1	1.47	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	0.82		1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	13.3		1	7.34	10.7		1	7.19	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	27.6		1	2.93	<SRL	U	1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	7.19		1	2.93	<SRL	U	1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	1.53		1	1.47	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	6.91		1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	0.88		1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	2.95		1	0.73	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56161				240716-56162				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.47				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	1.89		1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	1.26		1	0.73	<SRL	U	1	0.72	0.50
Heptane	1.09		1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	2.08		1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		93%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56163				240716-56164				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.33				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	6.67	<SRL	U	1	7.21	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethanol	14.8		1	2.67	26.3		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Acetone	3.47		1	2.67	4.36		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.67	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.67	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240716
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240716-56163				240716-56164				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/03/2024				04/03/2024				
Can Dilution Factor	1.33				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.33	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 240716
MATRIX : AIR

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/04/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	240716-56151	04/01/2024	04/03/2024	<SRL	U	1.40	1.0	91%
MS-07	240716-56152	04/01/2024	04/03/2024	<SRL	U	1.42	1.0	95%
MS-08	240716-56153	04/01/2024	04/03/2024	<SRL	U	1.43	1.0	92%
MS-09	240716-56154	04/01/2024	04/03/2024	<SRL	U	1.38	1.0	90%
MS-10	240716-56155	04/01/2024	04/03/2024	<SRL	U	1.38	1.0	93%
MS-12	240716-56156	04/01/2024	04/03/2024	0.88		1.42	1.0	89%
SCV	240716-56157	04/01/2024	04/03/2024	<SRL	U	1.38	1.0	92%
S End Lincoln	240716-56158	04/01/2024	04/03/2024	<SRL	U	1.42	1.0	91%
Chiquita Cyn Rd	240716-56159	04/01/2024	04/03/2024	<SRL	U	1.41	1.0	92%
MS-03	240716-56160	04/01/2024	04/03/2024	<SRL	U	1.39	1.0	92%
MS-04	240716-56161	04/01/2024	04/03/2024	<SRL	U	1.47	1.0	93%
MS-05	240716-56162	04/01/2024	04/03/2024	<SRL	U	1.44	1.0	90%
Reaction	240716-56163	04/01/2024	04/03/2024	<SRL	U	1.33	1.0	91%
Working Face	240716-56164	04/01/2024	04/03/2024	<SRL	U	1.44	1.0	91%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/03/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.42	100
Chlorodifluoromethane	10.30	11.29	110
Propene	10.70	11.85	111
Dichlorodifluoromethane	10.40	11.72	113
Dimethyl Ether	10.20	10.95	107
Chloromethane	10.50	10.64	101
Dichlorotetrafluoroethane	10.20	10.73	105
Vinyl Chloride	10.60	11.34	107
Acetaldehyde	21.00	24.94	119
Methanol	19.00	21.78	115
1,3-Butadiene	10.70	11.32	106
Bromomethane	10.40	10.93	105
Chloroethane	10.40	9.78	94
Dichlorofluoromethane	10.20	10.56	104
Ethanol	11.40	12.14	106
Vinyl Bromide	10.10	10.74	106
Acrolein	10.90	11.50	106
Acetone	10.60	10.39	98
Trichlorofluoromethane	10.50	11.31	108
2-Propanol (IPA)	11.00	12.23	111
Acrylonitrile	11.00	11.95	109
1,1-Dichloroethene	10.50	10.46	100
Methylene Chloride (DCM)	10.40	10.27	99
TertButanol (TBA)	11.10	12.79	115
Allyl Chloride	10.20	9.95	98
Carbon Disulfide	10.50	11.29	108
Trichlorotrifluoroethane	10.30	10.63	103
trans-1,2-Dichloroethene	10.80	11.08	103
1,1-Dichloroethane	10.70	10.87	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.20	105
Vinyl Acetate	11.00	12.41	113
2-Butanone (MEK)	10.70	11.23	105
cis-1,2-Dichloroethene	10.70	10.78	101
Hexane	10.80	10.21	95
Chloroform	10.70	10.91	102
Ethyl Acetate	10.70	11.53	108
Tetrahydrofuran	10.40	10.50	101
1,2-Dichloroethane	10.60	10.97	103
1,1,1-Trichloroethane	10.50	11.25	107
Benzene	10.70	10.43	97
Carbon Tetrachloride	10.30	10.69	104
Cyclohexane	10.50	10.37	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.65	100
Bromodichloromethane	10.50	10.70	102
1,4-Dioxane	10.50	10.26	98
Trichloroethene (TCE)	10.50	10.37	99
2,2,4-Trimethylpentane	10.10	10.41	103
Methyl Methacrylate	11.00	11.33	103
Heptane	10.50	10.35	99
cis-1,3-Dichloropropene	10.50	10.59	101
4-Methyl-2-pentanone (MiBK)	10.50	10.63	101
trans-1,3-Dichloropropene	10.60	10.69	101
1,1,2-Trichloroethane	10.60	10.14	96
Toluene	10.80	10.29	95
2-Hexanone (MBK)	10.50	11.22	107
Dibromochloromethane	10.60	10.76	102
1,2-Dibromoethane	10.60	10.54	99
Tetrachloroethene (PCE)	10.50	9.99	95
Chlorobenzene	10.80	10.30	95
Ethylbenzene	10.60	10.39	98
m & p-Xylene	21.20	19.72	93
Bromoform	10.60	10.64	100
Styrene	10.60	10.79	102
1,1,2,2-Tetrachloroethane	10.60	10.13	96
o-Xylene	10.60	10.28	97
1,2,3-Trichloropropane	11.00	11.00	100
Isopropylbenzene (Cumene)	10.40	10.02	96
α-Pinene	10.80	9.96	92
2-Chlorotoluene	10.30	10.21	99
n-Propylbenzene	10.10	9.55	95
4-Ethyltoluene	10.40	9.79	94
1,3,5-Trimethylbenzene	10.30	9.70	94
β-Pinene	10.90	9.57	88
1,2,4-Trimethylbenzene	10.30	9.73	94
Benzyl Chloride (a-Chlorotoluene)	10.30	10.34	100
1,3-Dichlorobenzene	10.30	9.90	96
1,4-Dichlorobenzene	10.20	9.92	97
Sec-ButylBenzene	10.10	9.71	96
1,2-Dichlorobenzene	10.40	9.98	96
n-ButylBenzene	10.30	10.24	99
1,2-Dibromo-3-Chloropropane	10.30	10.27	100
1,2,4-Trichlorobenzene	10.50	10.95	104
Naphthalene	10.90	12.08	111
Hexachlorobutadiene	10.80	9.98	92

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/03/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.42	9.41	100	100	0.1
1,1-Dichloroethene	0.0	10.50	10.46	10.60	100	101	1.3
Methylene Chloride (DCM)	0.0	10.40	10.27	10.39	99	100	1.2
Benzene	0.0	10.70	10.43	10.47	97	98	0.4
Trichloroethene (TCE)	0.0	10.50	10.37	10.57	99	101	1.9
Toluene	0.0	10.80	10.29	10.08	95	93	2.1
Tetrachloroethene (PCE)	0.0	10.50	9.99	9.99	95	95	0.0
Chlorobenzene	0.0	10.80	10.30	10.19	95	94	1.1
Ethylbenzene	0.0	10.60	10.39	10.29	98	97	1.0
m & p-Xylene	0.0	21.20	19.72	19.29	93	91	2.2
o-Xylene	0.0	10.60	10.28	10.32	97	97	0.4

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/03/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 040324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	93%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 040324*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/03/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.42

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240716-56152

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.95	8.63	3.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	1.37	1.38	1.0
Chloromethane	0.74	0.71	3.9
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde J	3.12	3.13	0.5
Methanol	12.8	13.6	6.4
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	42.5	42.4	0.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	5.77	6.07	5.1
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	3.58	3.58	0.0
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK) J	1.14	1.20	4.9
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	1.24	1.25	1.1
Tetrahydrofuran	0.77	0.80	3.6
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	0.84	0.83	1.7
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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240716

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-06	56151	4/2	0943	Summa 1	X				
MS-07	56152		1005		X				
MS-08	56153		1630		X				
MS-09	56154		0925		X				
MS-10	56155		0840		X				
MS-12	56156		1039		X				
SCV	56157		0917		X				
S End Lincoln	56158		1021		X				
Chiquita Cyn Rd	56159	↓	1015	↓	D				

LAB USE ONLY:
Lab ID
Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chilled
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Gracie Signature:	**Date** 4/2/24 **Time** 1620	**Received By** Print: HUNTER DALTON Signature:	**Date** 4/2/24 **Time** 1634
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

AAC COC Rev 3

010 - 17x cans (3x unused)

Issued 02/04/2021

240716

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-03	56160	4/2/24	0953	Summa	x					
MS-04 56161	~~56162~~	4/2/24	1122		x					
MS-05 56162	~~56163~~		1141		x					
Reaction 56163	~~56164~~		1217		x					
Working Face 56164	~~56165~~		1156		x					

LAB USE ONLY: Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other ____ Temperature ____ °C Thermometer ID ____ Initials ____ Received Chest ____ Total Cans ____ Unused Cans ____ Flow Controllers ____

Client Notes/Special Instructions:

EDD? ☐ Yes ☐ No

LAB USE ONLY: Notes

Relinquished By Print: Eva Lua Signature:	Date 4/2/24 Time 1820	**Received By** Print: Hunter Bolton Signature:	Date 4/2/24 Time 1634	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

240716

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AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [ON / OFF] **Project Number** 01204123.21 TASK 22
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** **Print:** **Signature:**

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					Lab ID
MS-06 56165	~~56166~~	4/2/24	0943	~~sedcon~~ 1	X					
MS-07 56166	~~56167~~		1005		X					
MS-08 56167	~~56168~~		1030		X					
MS-09 56168	~~56169~~		0925		X					
MS-10 56169	~~56170~~		0840		X					
MS-12 56170	~~56171~~		1039		X					
SCV 56171	~~56172~~		0917		X					
S. Gate Lincoln 56172	~~56173~~		1021		X					
Chiquita Cyn Rd 56173	~~56174~~		1015		X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Required Temp.
Total Containers
Unused Containers
New Containers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: [illegible] Signature: [illegible]	**Date** 4/2/24 **Time** 1620	**Received By** Print: [illegible] Signature: [illegible]	**Date** 4/2/24 **Time** 1634
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

240716

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: GRAHAM
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY Lab ID
~~MS-01~~ EB		4/2/24	N/A		N/A					
~~MS-02~~ EB										
MS-03 56174	56175		0953		X					
MS-04 56175	56176		1122		X					
MS-05 56176	56177		1141		X					
Reaction 56177	~~56178~~		1217		X					
Working Face 56178	56179	↓	1156		X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Received Chilled
Total Containers
Unused Containers
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: GRAHAM Signature:	Date 4/2/24 Time 1620	**Received By** Print: HUNTER DALTON Signature:	Date 4/2/24 Time 1633
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita [ON / OFF]
PROJECT NUMBER	:	01204123.21 TASK 22
AAC PROJECT NO.	:	240716
REPORT DATE	:	04/04/2024

On April 2, 2024, Atmospheric Analysis & Consulting, Inc. received fourteen (14) 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.
MS-06	240716-56165	S. End Lincoln	240716-56172
MS-07	240716-56166	Chiquita Cyn Rd.	240716-56173
MS-08	240716-56167	MS-03	240716-56174
MS-09	240716-56168	MS-04	240716-56175
MS-10	240716-56169	MS-05	240716-56176
MS-12	240716-56170	Reaction	240716-56177
SCV	240716-56171	Working Face	240716-56178

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. 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240716
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/02/2024
RECEIVING DATE : 04/02/2024
ANALYSIS DATE : 04/03/2024
REPORT DATE : 04/04/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10
AAC ID	240716-56165	240716-56166	240716-56167	240716-56168	240716-56169
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.046**	**0.043**	**0.018**	**0.016**	**0.059**
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	**0.046**	**0.043**	**0.018**	**0.016**	**0.059**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240716
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/02/2024
RECEIVING DATE : 04/02/2024
ANALYSIS DATE : 04/03/2024
REPORT DATE : 04/04/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	S. End Lincoln	Chiquita Cyn Rd.	MS-03
AAC ID	240716-56170	240716-56171	240716-56172	240716-56173	240716-56174
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.020**	**0.030**	**0.023**	**0.028**	**0.028**
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	**0.020**	**0.030**	**0.023**	**0.028**	**0.028**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240716
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/02/2024
RECEIVING DATE : 04/02/2024
ANALYSIS DATE : 04/03/2024
REPORT DATE : 04/04/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-04	MS-05	Reaction	Working Face
AAC ID	240716-56175	240716-56176	240716-56177	240716-56178
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.010**	**0.022**	**0.027**	**0.017**
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	**0.010**	**0.022**	**0.027**	**0.017**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/3/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11190	0.519	101.5	3.3
Duplicate	10618	0.492	96.3	2.0
Triplicate	10701	0.496	97.1	1.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9130	0.493	98.1	0.5
Duplicate	9189	0.496	98.7	1.2
Triplicate	8923	0.481	95.9	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12190	0.506	101.8	2.4
Duplicate	11717	0.486	97.8	1.5
Triplicate	11794	0.489	98.5	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231187-45761**

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 **231187-45761 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.267	0.273	104.5	106.8	2.2
MeSH	<PQL	0.251	0.255	0.261	101.6	104.0	2.3
DMS	<PQL	0.249	0.264	0.271	106.2	109.1	2.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.498	97.5
MeSH	0.502	0.488	97.2
DMS	0.497	0.484	97.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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240716

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06 56165	56166	4/2/24	0943	1 Tedlar	X				
MS-07 56166	56167		1005		X				
MS-08 56167	56168		1630		X				
MS-09 56168	56169		0925		X				
MS-10 56169	56170		0840		X				
MS-12 56170	56171		1039		X				
SCV 56171	56172		0917		X				
S. End Liquefy 56172	56173		1021		X				
Chiquito Cyn Rd 56173	56174		1015		X				

Lab ID

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned Empty:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Signature:	**Date** 4/2/24 **Time** 1600	**Received By** Print: Signature:	**Date** 4/2/24 **Time** 1651
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

240716

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Graham
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
~~MS-01~~ EB		4/2/24	N/A		N/A				
~~MS-02~~ EB									
MS-03	56174	56175	0953		X				
MS-04	56175	56176	1122		X				
MS-05	56176	56177	1141		X				
Reaction	56177	~~56178~~	1217		X				
Working Face	56178	~~56179~~	1156		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID: ____
Initials: ____
Returned Cont: ____
Total cans: ____
Unused cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Graham Signature:	Date 4/2/24 Time 1620	**Received By** Print: Signature:	Date 4/2/24 Time 1633
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240716

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print:
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS-06	56151	4/2	0943	Summa 1	x					
MS-07	56152	↓	1005	↓	x					
MS-08	56153		1630		x					
MS-09	56154		0925		x					
MS-10	56155		0840		x					
MS-12	56156		1039		x					
SCV	56157		0917		x					
S End Lincoln	56158		1021		x					
Chiquita Cyn Rd	56159	↓	1015	↓	x					

LAB USE ONLY
- Sample Received via:
  - ☐ FedEx
  - ☐ UPS
  - ☐ Courier
  - ☐ Other
- Temperature: ____ °C
- Thermometer ID: ____
- Initials: ____
- Received Cont.: ____
- Total cans: ____
- Unused cans: ____
- Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Gracia Signature:	**Date** 4/2/22 **Time** 1620	**Received By** Print: HUNTER PRATT Signature:	**Date** 9/2/22 **Time** 1634
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

0/0 - 17x cans (3x unused)

Issued 02/04/2021

240716

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-03	56160	4/2/24	0953	Summa	x				
MS-04	56161 ~~56162~~		1122		x				
MS-05	56162 ~~56163~~		1141		x				
Reaction	56163 ~~56164~~		1217		x				
Working Face	56164 ~~56165~~	↓	1156	↓	x				

LAB USE ONLY

Lab ID	Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
	Temperature: ____°C
	Thermometer ID:
	Initials:
	Returned Empty:
	Total cans:
	Unused cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Eva Lum Signature:	**Date** 4/2/24 **Time** 1820	**Received By** Print: Hunter Button Signature:	**Date** 4/2/24 **Time** 1634
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240780
REPORT DATE	: 04/11/2024

On April 9, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	240780-56496	S End Lincoln	240780-56505
MS-07	240780-56497	MS-01	240780-56506
MS-08	240780-56498	MS-02	240780-56507
MS-09	240780-56499	MS-03	240780-56508
MS-10	240780-56500	MS-04	240780-56509
MS-11	240780-56501	MS-05	240780-56510
MS-12	240780-56502	Reaction	240780-56511
SCV	240780-56503	Working Face	240780-56512
Chiquita Cyn Rd.	240780-56504		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240780
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/09/2024
RECEIVING DATE : 04/09/2024
ANALYSIS DATE : 04/09-10/2024
REPORT DATE : 04/11/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	240780-56496	240780-56497	240780-56498	240780-56499	240780-56500	240780-56501
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	**0.005**	**0.006**	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.007**	**0.005**	**0.006**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240780
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/09/2024
RECEIVING DATE : 04/09/2024
ANALYSIS DATE : 04/10/2024
REPORT DATE : 04/11/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd.	S End Lincoln	MS-01	MS-02
AAC ID	240780-56502	240780-56503	240780-56504	240780-56505	240780-56506	240780-56507
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240780
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE SAMPLING DATE : 04/09/2024
RECEIVING DATE RECEIVING DATE : 04/09/2024
ANALYSIS DATE ANALYSIS DATE : 04/10/2024
REPORT DATE REPORT DATE : 04/11/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	240780-56508	240780-56509	240780-56510	240780-56511	240780-56512
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.010**	**0.007**	< 0.005	**0.011**	**0.010**
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	**0.012**	< 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	**0.010**	**0.007**	< 0.005	**0.023**	**0.010**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/9/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11081	0.514	100.5	1.2
Duplicate	11565	0.536	104.9	3.1
Triplicate	11009	0.510	99.9	1.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9224	0.498	99.1	1.7
Duplicate	9656	0.521	103.8	2.9
Triplicate	9281	0.501	99.7	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12479	0.518	104.2	0.1
Duplicate	12516	0.519	104.5	0.2
Triplicate	12479	0.518	104.2	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.258	0.272	101.0	106.5	5.3
MeSH	<PQL	0.251	0.261	0.265	104.0	105.6	1.5
DMS	<PQL	0.249	0.260	0.272	104.6	109.5	4.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.532	104.1
MeSH	0.502	0.533	106.2
DMS	0.497	0.545	109.7

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/10/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11403	0.529	103.5	3.1
Duplicate	10525	0.488	95.5	4.8
Triplicate	11245	0.521	102.0	1.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9426	0.508	101.3	0.8
Duplicate	8933	0.482	96.0	4.4
Triplicate	9687	0.523	104.1	3.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12340	0.512	103.0	1.2
Duplicate	11760	0.488	98.2	3.5
Triplicate	12468	0.517	104.1	2.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 240745-56257 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.271	0.247	106.1	96.7	9.3
MeSH	<PQL	0.251	0.271	0.248	108.0	98.8	8.9
DMS	<PQL	0.249	0.270	0.249	108.7	100.2	8.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.515	100.8
MeSH	0.502	0.516	102.8
DMS	0.497	0.511	102.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

240780

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: [signature]

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS-06	56496	4/9	1328	Tedlar 1	X				
MS-07	56497	↓	1151	↓	X				
MS-08	56498		1236		X				
MS-09	56499		1249		X				
MS-10	56500		1313		X				
MS-11	56501		0843		X				
MS-12	56502		1227		X				
SCV	56503		1302		X				
Chiquito Cyn Rd	56504		1201		X				
S End Lincoln	56505	↓	1220	↓	X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: _____ °C
Thermometer ID _____
Initials _____
Returned Cont. _____
Total cans: _____
Unused cans: _____
Flow Controllers: _____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature: [signature]	Date 4/9/24 Time	**Received By** Print: [illegible] Signature: [signature]	Date 4/9/24 Time 1514
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240780

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					LAB USE ONLY Lab ID
MS-06	56479	4/9	1328	Summa 1	X					
MS-07	56480	↓	1151	↓	X					
MS-08	56481		1236		X					
MS-09	56482		1249		X					
MS-10	56483		1343		X					
MS-11	56484		0843		X					
MS-12	56485		1227		X					
SCV	56486		1302		X					
Chiquito Cyn Rd	56487		1201		X					
S End Lincoln	56488	↓	1220	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature ____ °C
Thermometer ID ____
Initials ____
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/21 Time	**Received By** Print: Signature:	Date 4/9/21 Time 1514	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

10 - 17x cans

240780

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-01	56506	4/9	1000	Tedlar 1	X					
MS-02	56507	↓	0912	↓	X					
MS-03	56508		1339		X					
MS-04	56509		1052		X					
MS-05	56510		0942		X					
Reaction	56511		1036		X					
Working Face	56512		0931		X					

LAB USE ONLY
Sample Received via:
- ☐ FedEx
- ☐ UPS
- ☐ Courier
- ☐ Other

Temperature: ____ °C
Thermometer ID: ____
Initials: ____
Returned Cont: ____
Total cans: ____
Unused cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
- ☐ Yes
- ☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Signature:	Date 4/9/24 Time 15:04	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

240780

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS-01	56489	4/9	1000	Summa 1	X					
MS-02	56490		0912		X					
MS-03	56491		1339		X					
MS-04	56492		1052		X					
MS-05	56493		0942		X					
Reaction	56494		1036		X					
Working Face	56495		0931		X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID: ____
Initials: ____
Returned Equip.: ____
Total cans: ____
Unused cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Signature:	Date 4/9/24 Time 15:4
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240780
REPORT DATE	: 04/11/2024

On April 9, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240780-56479	706.5	S End Lincoln	240780-56488	710.0
MS-07	240780-56480	702.0	MS-01	240780-56489	702.5
MS-08	240780-56481	712.0	MS-02	240780-56490	727.0
MS-09	240780-56482	716.0	MS-03	240780-56491	711.5
MS-10	240780-56483	707.5	MS-04	240780-56492	707.0
MS-11	240780-56484	722.0	MS-05	240780-56493	719.5
MS-12	240780-56485	704.0	Reaction	240780-56494	711.5
SCV	240780-56486	708.0	Working Face	240780-56495	724.0
Chiquito Cyn Rd	240780-56487	710.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56479				240780-56480				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	0.72		1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.18	<SRL	U	1	7.23	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	3.18		1	2.87	<SRL	U	1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56479				240780-56480				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		87%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56481				240780-56482				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.42				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	0.88		1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.12	<SRL	U	1	7.09	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56481				240780-56482				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.42				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56483				240780-56484				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.18	<SRL	U	1	7.04	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	2.87	10.5		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56483				240780-56484				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56485				240780-56486				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	0.81		1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.21	<SRL	U	1	7.16	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56485				240780-56486				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std, % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56487				240780-56488				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloromethane	0.79		1	0.71	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.14	<SRL	U	1	7.15	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56487				240780-56488				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL)	MS-02			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240780-56489				240780-56490				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloromethane	0.74		1	0.72	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.23	7.95		1	7.36	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	2.89	6.04		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	5.12		1	2.89	4.65		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56489				240780-56490				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.72	5.33		1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56491				240780-56492				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.15	<SRL	U	1	7.18	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56491				240780-56492				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56493				240780-56494				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.41				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	17.6		1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methanol	8.56		1	7.06	185		1	7.14	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.83	38.8		1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.83	22.0		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	11.0		1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	13.5		1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	24.6		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	23.4		1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56493				240780-56494				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.41				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	1.13		1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	2.95		1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	1.54		1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	1.48		1	1.43	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		87%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-55908				
Date Sampled	04/09/2024				
Date Analyzed	04/10/2024				
Can Dilution Factor	1.39				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	6.96	5.00
1,3-Butadiene	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	0.50
Ethanol	5.79		1	2.78	2.00
Vinyl Bromide	<SRL	U	1	0.70	0.50
Acetone	3.01		1	2.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.78	2.00
Acrylonitrile	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.78	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-55908				
Date Sampled	04/09/2024				
Date Analyzed	04/10/2024				
Can Dilution Factor	1.39				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 240780
MATRIX : AIR

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/11/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	240780-56479	04/09/2024	04/10/2024	<SRL	U	1.44	1.0	87%
MS-07	240780-56480	04/09/2024	04/10/2024	<SRL	U	1.45	1.0	90%
MS-08	240780-56481	04/09/2024	04/10/2024	<SRL	U	1.42	1.0	90%
MS-09	240780-56482	04/09/2024	04/10/2024	<SRL	U	1.42	1.0	90%
MS-10	240780-56483	04/09/2024	04/10/2024	<SRL	U	1.44	1.0	89%
MS-11	240780-56484	04/09/2024	04/10/2024	<SRL	U	1.41	1.0	91%
MS-12	240780-56485	04/09/2024	04/10/2024	<SRL	U	1.44	1.0	90%
SCV	240780-56486	04/09/2024	04/10/2024	<SRL	U	1.43	1.0	91%
Chiquito Cyn Rd	240780-56487	04/09/2024	04/10/2024	<SRL	U	1.43	1.0	89%
S End Lincoln	240780-56488	04/09/2024	04/10/2024	<SRL	U	1.43	1.0	91%
MS-01	240780-56489	04/09/2024	04/10/2024	<SRL	U	1.45	1.0	91%
MS-02	240780-56490	04/09/2024	04/10/2024	<SRL	U	1.40	1.0	91%
MS-03	240780-56491	04/09/2024	04/10/2024	<SRL	U	1.43	1.0	90%
MS-04	240780-56492	04/09/2024	04/10/2024	<SRL	U	1.44	1.0	91%
MS-05	240780-56493	04/09/2024	04/10/2024	<SRL	U	1.41	1.0	87%
Reaction	240780-56494	04/09/2024	04/10/2024	6.51		1.43	1.0	93%
Working Face	240780-56495	04/09/2024	04/10/2024	<SRL	U	1.40	1.0	90%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.07	96
Chlorodifluoromethane	10.30	11.27	109
Propene	10.70	11.72	110
Dichlorodifluoromethane	10.40	11.19	108
Dimethyl Ether	10.20	11.48	113
Chloromethane	10.50	11.35	108
Dichlorotetrafluoroethane	10.20	10.00	98
Vinyl Chloride	10.60	11.06	104
Acetaldehyde	21.00	23.54	112
Methanol	19.00	22.75	120
1,3-Butadiene	10.70	12.08	113
Bromomethane	10.40	10.51	101
Chloroethane	10.40	9.68	93
Dichlorofluoromethane	10.20	10.49	103
Ethanol	11.40	11.89	104
Vinyl Bromide	10.10	10.50	104
Acrolein	10.90	12.07	111
Acetone	10.60	10.08	95
Trichlorofluoromethane	10.50	11.02	105
2-Propanol (IPA)	11.00	12.45	113
Acrylonitrile	11.00	11.74	107
1,1-Dichloroethene	10.50	9.95	95
Methylene Chloride (DCM)	10.40	9.87	95
TertButanol (TBA)	11.10	12.85	116
Allyl Chloride	10.20	10.32	101
Carbon Disulfide	10.50	11.00	105
Trichlorotrifluoroethane	10.30	10.22	99
trans-1,2-Dichloroethene	10.80	10.27	95
1,1-Dichloroethane	10.70	10.64	99
Methyl Tert Butyl Ether (MTBE)	10.70	10.80	101
Vinyl Acetate	11.00	13.11	119
2-Butanone (MEK)	10.70	10.54	99
cis-1,2-Dichloroethene	10.70	10.34	97
Hexane	10.80	10.17	94
Chloroform	10.70	10.42	97
Ethyl Acetate	10.70	11.80	110
Tetrahydrofuran	10.40	9.81	94
1,2-Dichloroethane	10.60	10.58	100
1,1,1-Trichloroethane	10.50	10.60	101
Benzene	10.70	10.48	98
Carbon Tetrachloride	10.30	10.92	106
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.12	104
Bromodichloromethane	10.50	11.05	105
1,4-Dioxane	10.50	10.16	97
Trichloroethene (TCE)	10.50	10.19	97
2,2,4-Trimethylpentane	10.10	10.80	107
Methyl Methacrylate	11.00	11.72	107
Heptane	10.50	10.29	98
cis-1,3-Dichloropropene	10.50	10.83	103
4-Methyl-2-pentanone (MiBK)	10.50	11.11	106
trans-1,3-Dichloropropene	10.60	10.86	102
1,1,2-Trichloroethane	10.60	10.12	95
Toluene	10.80	10.16	94
2-Hexanone (MBK)	10.50	11.58	110
Dibromochloromethane	10.60	10.92	103
1,2-Dibromoethane	10.60	10.41	98
Tetrachloroethene (PCE)	10.50	9.66	92
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.21	96
m & p-Xylene	21.20	19.45	92
Bromoform	10.60	10.67	101
Styrene	10.60	10.49	99
1,1,2,2-Tetrachloroethane	10.60	9.98	94
o-Xylene	10.60	10.21	96
1,2,3-Trichloropropane	11.00	10.72	97
Isopropylbenzene (Cumene)	10.40	9.81	94
α-Pinene	10.80	10.18	94
2-Chlorotoluene	10.30	9.99	97
n-Propylbenzene	10.10	9.51	94
4-Ethyltoluene	10.40	9.50	91
1,3,5-Trimethylbenzene	10.30	9.52	92
β-Pinene	10.90	9.32	86
1,2,4-Trimethylbenzene	10.30	9.54	93
Benzyl Chloride (a-Chlorotoluene)	10.30	10.85	105
1,3-Dichlorobenzene	10.30	9.82	95
1,4-Dichlorobenzene	10.20	9.81	96
Sec-ButylBenzene	10.10	9.29	92
1,2-Dichlorobenzene	10.40	9.59	92
n-ButylBenzene	10.30	9.84	96
1,2-Dibromo-3-Chloropropane	10.30	9.96	97
1,2,4-Trichlorobenzene	10.50	10.42	99
Naphthalene	10.90	11.81	108
Hexachlorobutadiene	10.80	9.42	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.07	9.07	96	96	0.0
1,1-Dichloroethene	0.0	10.50	9.95	10.06	95	96	1.1
Methylene Chloride (DCM)	0.0	10.40	9.87	10.07	95	97	2.0
Benzene	0.0	10.70	10.48	10.28	98	96	1.9
Trichloroethene (TCE)	0.0	10.50	10.19	10.20	97	97	0.1
Toluene	0.0	10.80	10.16	9.98	94	92	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.66	9.78	92	93	1.2
Chlorobenzene	0.0	10.80	10.03	9.94	93	92	0.9
Ethylbenzene	0.0	10.60	10.21	10.04	96	95	1.7
m & p-Xylene	0.0	21.20	19.45	19.23	92	91	1.1
o-Xylene	0.0	10.60	10.21	10.11	96	95	1.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041024*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.4

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240780-56495

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.45	8.25	2.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	5.62	5.51	2.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	5.84	5.66	3.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.03	2.94	3.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

240780

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS				
MS-06	56479	4/9	1328	Summa 1	X				
MS-07	56480		1151		X				
MS-08	56481		1236		X				
MS-09	56482		1249		X				
MS-10	56483		1313		X				
MS-11	56484		0843		X				
MS-12	56485		1227		X				
SCV	56486		1302		X				
Chiquito Cyn Rd	56487		1201		X				
S End Lincoln	56488	↓	1220		X				

LAB USE ONLY
Lab ID
Sample Received Via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Preliminary Sheet
Tedlar Bags
Unused Cells
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/21 Time	**Received By** Print: Signature:	Date 4/9/21 Time 1514	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

D/O - 17x Cans

240780

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-01	56489	4/9	1000	Summa 1	X				
MS-02	56490		0912		X				
MS-03	56491		1339		X				
MS-04	56492		1052		X				
MS-05	56493		0942		X				
Reaction	56494		1036		X				
Working Face	56495		0931		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Ambient/Chilled
Total Cans
Unused Cans
New Container

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Signature:	Date 4/9/24 Time 15:14
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240780

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: [signature]

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	56496	4/9	1328	Tedlar 1	X				
MS-07	56497	↓	1151	↓	X				
MS-08	56498		1236		X				
MS-09	56499		1249		X				
MS-10	56500		1313		X				
MS-11	56501		0843		X				
MS-12	56502		1227		X				
SCV	56503		1302		X				
Chiquito Cyn Rd	56504		1201		X				
S End Lincoln	56505	↓	1220	↓	X				

LAB USE ONLY
Lab ID
Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other
Temperature: ____°C
Thermometer ID: ____
Initials: ____
Preserved Sheet: ____
Total Cans: ____
Unused Cells: ____
Flow Controller: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature: [signature]	Date 4/9/24 Time	**Received By** Print: [illegible] Signature: [signature]	Date 4/9/24 Time 1514	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

240780

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-01	56506	4/9	1000	Tedlar 1	X					
MS-02	56507		0912		X					
MS-03	56508		1339		X					
MS-04	56509		1052		X					
MS-05	56510		0942		X					
Reaction	56511		1036		X					
Working Face	56512	↓	0931	↓	X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chilled?
Total Containers
Unused Containers
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Hunter Davis Signature:	Date 4/9/24 Time 15:14	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 240780 Rev 1
REPORT DATE : 04/18/2024

On April 9, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240780-56479	706.5	S End Lincoln	240780-56488	710.0
MS-07	240780-56480	702.0	MS-01	240780-56489	702.5
MS-08	240780-56481	712.0	MS-02	240780-56490	727.0
MS-09	240780-56482	716.0	MS-03	240780-56491	711.5
MS-10	240780-56483	707.5	MS-04	240780-56492	707.0
MS-11	240780-56484	722.0	MS-05	240780-56493	719.5
MS-12	240780-56485	704.0	Reaction	240780-56494	711.5
SCV	240780-56486	708.0	Working Face	240780-56495	724.0
Chiquito Cyn Rd	240780-56487	710.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

Amended Report 240780 Rev 1 supersedes Original Report 240780. The amended report was issued on 04/18/2024. The sample number and pressures were corrected for sample "Working Face".

This report consists of 27 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56479				240780-56480				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	0.72		1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.18	<SRL	U	1	7.23	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	3.18		1	2.87	<SRL	U	1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56479				240780-56480				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		87%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56481				240780-56482				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.42				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	0.88		1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.12	<SRL	U	1	7.09	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56481				240780-56482				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.42				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56483				240780-56484				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.18	<SRL	U	1	7.04	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	2.87	10.5		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56483				240780-56484				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56485				240780-56486				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	0.81		1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.21	<SRL	U	1	7.16	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56485				240780-56486				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56487				240780-56488				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloromethane	0.79		1	0.71	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.14	<SRL	U	1	7.15	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56487				240780-56488				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL)	MS-02			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240780-56489				240780-56490				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloromethane	0.74		1	0.72	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.23	7.95		1	7.36	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	2.89	6.04		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	5.12		1	2.89	4.65		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56489				240780-56490				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.72	5.33		1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56491				240780-56492				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.15	<SRL	U	1	7.18	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56491				240780-56492				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.43				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56493				240780-56494				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.41				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	17.6		1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methanol	8.56		1	7.06	185		1	7.14	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.83	38.8		1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.83	22.0		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	11.0		1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	13.5		1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	24.6		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	23.4		1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56493				240780-56494				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/10/2024				04/10/2024				
Can Dilution Factor	1.41				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	1.13		1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	2.95		1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	1.54		1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	1.48		1	1.43	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		87%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56495				
Date Sampled	04/09/2024				
Date Analyzed	04/10/2024				
Can Dilution Factor	1.40				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.02	5.00
1,3-Butadiene	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	0.50
Ethanol	5.84		1	2.81	2.00
Vinyl Bromide	<SRL	U	1	0.70	0.50
Acetone	3.03		1	2.81	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	2.00
Acrylonitrile	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	2.81	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240780 Rev 1
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240780-56495				
Date Sampled	04/09/2024				
Date Analyzed	04/10/2024				
Can Dilution Factor	1.40				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.07	96
Chlorodifluoromethane	10.30	11.27	109
Propene	10.70	11.72	110
Dichlorodifluoromethane	10.40	11.19	108
Dimethyl Ether	10.20	11.48	113
Chloromethane	10.50	11.35	108
Dichlorotetrafluoroethane	10.20	10.00	98
Vinyl Chloride	10.60	11.06	104
Acetaldehyde	21.00	23.54	112
Methanol	19.00	22.75	120
1,3-Butadiene	10.70	12.08	113
Bromomethane	10.40	10.51	101
Chloroethane	10.40	9.68	93
Dichlorofluoromethane	10.20	10.49	103
Ethanol	11.40	11.89	104
Vinyl Bromide	10.10	10.50	104
Acrolein	10.90	12.07	111
Acetone	10.60	10.08	95
Trichlorofluoromethane	10.50	11.02	105
2-Propanol (IPA)	11.00	12.45	113
Acrylonitrile	11.00	11.74	107
1,1-Dichloroethene	10.50	9.95	95
Methylene Chloride (DCM)	10.40	9.87	95
TertButanol (TBA)	11.10	12.85	116
Allyl Chloride	10.20	10.32	101
Carbon Disulfide	10.50	11.00	105
Trichlorotrifluoroethane	10.30	10.22	99
trans-1,2-Dichloroethene	10.80	10.27	95
1,1-Dichloroethane	10.70	10.64	99
Methyl Tert Butyl Ether (MTBE)	10.70	10.80	101
Vinyl Acetate	11.00	13.11	119
2-Butanone (MEK)	10.70	10.54	99
cis-1,2-Dichloroethene	10.70	10.34	97
Hexane	10.80	10.17	94
Chloroform	10.70	10.42	97
Ethyl Acetate	10.70	11.80	110
Tetrahydrofuran	10.40	9.81	94
1,2-Dichloroethane	10.60	10.58	100
1,1,1-Trichloroethane	10.50	10.60	101
Benzene	10.70	10.48	98
Carbon Tetrachloride	10.30	10.92	106
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.12	104
Bromodichloromethane	10.50	11.05	105
1,4-Dioxane	10.50	10.16	97
Trichloroethene (TCE)	10.50	10.19	97
2,2,4-Trimethylpentane	10.10	10.80	107
Methyl Methacrylate	11.00	11.72	107
Heptane	10.50	10.29	98
cis-1,3-Dichloropropene	10.50	10.83	103
4-Methyl-2-pentanone (MiBK)	10.50	11.11	106
trans-1,3-Dichloropropene	10.60	10.86	102
1,1,2-Trichloroethane	10.60	10.12	95
Toluene	10.80	10.16	94
2-Hexanone (MBK)	10.50	11.58	110
Dibromochloromethane	10.60	10.92	103
1,2-Dibromoethane	10.60	10.41	98
Tetrachloroethene (PCE)	10.50	9.66	92
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.21	96
m & p-Xylene	21.20	19.45	92
Bromoform	10.60	10.67	101
Styrene	10.60	10.49	99
1,1,2,2-Tetrachloroethane	10.60	9.98	94
o-Xylene	10.60	10.21	96
1,2,3-Trichloropropane	11.00	10.72	97
Isopropylbenzene (Cumene)	10.40	9.81	94
α-Pinene	10.80	10.18	94
2-Chlorotoluene	10.30	9.99	97
n-Propylbenzene	10.10	9.51	94
4-Ethyltoluene	10.40	9.50	91
1,3,5-Trimethylbenzene	10.30	9.52	92
β-Pinene	10.90	9.32	86
1,2,4-Trimethylbenzene	10.30	9.54	93
Benzyl Chloride (a-Chlorotoluene)	10.30	10.85	105
1,3-Dichlorobenzene	10.30	9.82	95
1,4-Dichlorobenzene	10.20	9.81	96
Sec-ButylBenzene	10.10	9.29	92
1,2-Dichlorobenzene	10.40	9.59	92
n-ButylBenzene	10.30	9.84	96
1,2-Dibromo-3-Chloropropane	10.30	9.96	97
1,2,4-Trichlorobenzene	10.50	10.42	99
Naphthalene	10.90	11.81	108
Hexachlorobutadiene	10.80	9.42	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.07	9.07	96	96	0.0
1,1-Dichloroethene	0.0	10.50	9.95	10.06	95	96	1.1
Methylene Chloride (DCM)	0.0	10.40	9.87	10.07	95	97	2.0
Benzene	0.0	10.70	10.48	10.28	98	96	1.9
Trichloroethene (TCE)	0.0	10.50	10.19	10.20	97	97	0.1
Toluene	0.0	10.80	10.16	9.98	94	92	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.66	9.78	92	93	1.2
Chlorobenzene	0.0	10.80	10.03	9.94	93	92	0.9
Ethylbenzene	0.0	10.60	10.21	10.04	96	95	1.7
m & p-Xylene	0.0	21.20	19.45	19.23	92	91	1.1
o-Xylene	0.0	10.60	10.21	10.11	96	95	1.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041024*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/10/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.4

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240780-56495

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.45	8.25	2.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	5.62	5.51	2.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	5.84	5.66	3.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.03	2.94	3.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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240780

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-06	56479	4/9	1328	Summa 1	X				
MS-07	56480		1151		X				
MS-08	56481		1236		X				
MS-09	56482		1249		X				
MS-10	56483		1313		X				
MS-11	56484		0843		X				
MS-12	56485		1227		X				
SCV	56486		1302		X				
Chiquito Cyn Rd	56487		1201		X				
S End Lincoln	56488	↓	1220	↓	X				

LAB USE ONLY
Lab ID:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chlor:
Total Cans:
Unused Cans:
Flow Controller:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/21 Time	**Received By** Print: Signature:	Date 4/9/21 Time 1514	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

10-17x cans

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-01	56489	4/9	1000	Summa 1	X					
MS-02	56490	↓	0912	↓	X					
MS-03	56491		1339		X					
MS-04	56492		1052		X					
MS-05	56493		0942		X					
Reaction	56494		1036		X					
Working Face	56495		0931		X					

LAB USE ONLY:
Sample Received via:
☐ Fedex ☐ UPS ☐ Courier ☐ Other
Temperature °C
Thermometer ID
Initials
Ambient/Chilled
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Signature:	Date 4/9/24 Time 15:4
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: [signature]

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS-06	56496	4/9	1328	Tedlar 1	X				
MS-07	56497		1151		X				
MS-08	56498		1236		X				
MS-09	56499		1249		X				
MS-10	56500		1313		X				
MS-11	56501		0843		X				
MS-12	56502		1227		X				
SCV	56503		1302		X				
Chiquito Cyn Rd	56504		1201		X				
S End Lincoln	56505		1220		X				

LAB USE ONLY
Lab ID
Sample Received via: ☐ FedEx ☐ UPS ☐ Courier ☐ Other
Temperature
Thermometer ID
Initials
Returned Blank
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes

Relinquished By Print: Armando Hurtado Signature: [signature]	Date 4/9/24 Time	**Received By** Print: HUNTER DAXTON Signature: [signature]	Date 4/9/24 Time 1514
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS-01	56506	4/9	1000	Tedlar 1	X				
MS-02	56507		0912		X				
MS-03	56508		1339		X				
MS-04	56509		1052		X				
MS-05	56510		0942		X				
Reaction	56511		1036		X				
Working Face	56512		0931		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Returned Cont.
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/9/24 Time	**Received By** Print: Hunter Davis Signature:	Date 4/9/24 Time 15:14
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240853
REPORT DATE	: 04/18/2024

On April 16, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240853-56842	679.5	S End Lincoln	240853-56851	706.0
MS-07	240853-56843	719.0	MS-01	240853-56852	666.0
MS-08	240853-56844	759.0	MS-02	240853-56853	690.0
MS-09	240853-56845	692.0	MS-03	240853-56854	713.0
MS-10	240853-56846	725.5	MS-04	240853-56855	681.5
MS-11	240853-56847	721.5	MS-05	240853-56856	676.5
MS-12	240853-56848	704.5	Reaction	240853-56857	686.0
SCV	240853-56849	715.0	Working Face	240853-56858	696.5
Chiquito Cyn Rd	240853-56850	699.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56842				240853-56843				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.50				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.50	1.63		1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.49	13.2		1	7.14	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.99	8.09		1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.99	6.38		1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.75	1.37		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.75	1.97		1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56842				240853-56843				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.50				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		87%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56844				240853-56845				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.34				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Methanol	21.1		1	6.70	<SRL	U	1	7.36	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Ethanol	4.01		1	2.68	4.18		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Acetone	4.10		1	2.68	17.0		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.68	3.00		1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.68	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56844				240853-56845				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.34				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56846				240853-56847				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.40				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.01	<SRL	U	1	7.05	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.80	<SRL	U	1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	5.00		1	2.80	<SRL	U	1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.80	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.80	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56846				240853-56847				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.40				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.40	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL)	SCV			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240853-56848				240853-56849				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	8.05		1	7.20	<SRL	U	1	7.15	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	6.32		1	2.88	<SRL	U	1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.88	3.29		1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56848				240853-56849				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.44				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56850				240853-56851				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	8.10		1	7.26	10.8		1	7.19	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	4.02		1	2.90	6.15		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.90	2.88		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56850				240853-56851				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		85%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL)	MS-02			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240853-56852				240853-56853				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.53				1.55				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Methanol	8.92		1	7.67	11.2		1	7.74	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	3.07	10.9		1	3.10	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	3.07	3.86		1	3.10	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	<SRL	U	1	3.10	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.07	<SRL	U	1	3.10	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56852				240853-56853				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.53				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56854				240853-56855				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.42				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	7.12	12.6		1	7.47	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.85	3.98		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Acetone	4.06		1	2.85	3.08		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.71	0.94		1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56854				240853-56855				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.42				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		88%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56856				240853-56857				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.50	12.5		1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloromethane	0.80		1	0.75	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methanol	11.0		1	7.51	36.7		1	7.47	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	3.01	14.8		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	3.17		1	3.01	10.6		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.01	6.25		1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.01	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	5.75		1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.75	8.74		1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.75	10.3		1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56856				240853-56857				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/17/2024				04/17/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.75	1.15		1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		92%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56858				
Date Sampled	04/16/2024				
Date Analyzed	04/17/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	12.0		1	7.29	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	5.75		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240853
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240853-56858				
Date Sampled	04/16/2024				
Date Analyzed	04/17/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 240853
MATRIX : AIR

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/18/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	240853-56842	04/16/2024	04/17/2024	<SRL	U	1.50	1.0	87%
MS-07	240853-56843	04/16/2024	04/17/2024	0.99		1.43	1.0	88%
MS-08	240853-56844	04/16/2024	04/17/2024	<SRL	U	1.34	1.0	90%
MS-09	240853-56845	04/16/2024	04/17/2024	<SRL	U	1.47	1.0	91%
MS-10	240853-56846	04/16/2024	04/17/2024	<SRL	U	1.40	1.0	89%
MS-11	240853-56847	04/16/2024	04/17/2024	<SRL	U	1.41	1.0	89%
MS-12	240853-56848	04/16/2024	04/17/2024	<SRL	U	1.44	1.0	89%
SCV	240853-56849	04/16/2024	04/17/2024	<SRL	U	1.43	1.0	89%
Chiquito Cyn Rd	240853-56850	04/16/2024	04/17/2024	<SRL	U	1.45	1.0	85%
S End Lincoln	240853-56851	04/16/2024	04/17/2024	<SRL	U	1.44	1.0	92%
MS-01	240853-56852	04/16/2024	04/17/2024	<SRL	U	1.53	1.0	88%
MS-02	240853-56853	04/16/2024	04/17/2024	<SRL	U	1.47	1.0	89%
MS-03	240853-56854	04/16/2024	04/17/2024	<SRL	U	1.42	1.0	88%
MS-04	240853-56855	04/16/2024	04/17/2024	<SRL	U	1.49	1.0	88%
MS-05	240853-56856	04/16/2024	04/17/2024	<SRL	U	1.50	1.0	92%
Reaction	240853-56857	04/16/2024	04/17/2024	1.70		1.49	1.0	89%
Working Face	240853-56858	04/16/2024	04/17/2024	<SRL	U	1.46	1.0	90%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/17/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.22	98
Chlorodifluoromethane	10.30	11.78	114
Propene	10.70	12.42	116
Dichlorodifluoromethane	10.40	11.59	111
Dimethyl Ether	10.20	11.68	115
Chloromethane	10.50	11.32	108
Dichlorotetrafluoroethane	10.20	10.32	101
Vinyl Chloride	10.60	11.37	107
Acetaldehyde	21.00	26.41	126
Methanol	19.00	24.02	126
1,3-Butadiene	10.70	12.79	120
Bromomethane	10.40	10.42	100
Chloroethane	10.40	9.30	89
Dichlorofluoromethane	10.20	10.55	103
Ethanol	11.40	12.21	107
Vinyl Bromide	10.10	10.51	104
Acrolein	10.90	12.25	112
Acetone	10.60	10.46	99
Trichlorofluoromethane	10.50	11.15	106
2-Propanol (IPA)	11.00	12.98	118
Acrylonitrile	11.00	12.67	115
1,1-Dichloroethene	10.50	9.93	95
Methylene Chloride (DCM)	10.40	9.95	96
TertButanol (TBA)	11.10	13.46	121
Allyl Chloride	10.20	10.56	104
Carbon Disulfide	10.50	10.84	103
Trichlorotrifluoroethane	10.30	10.34	100
trans-1,2-Dichloroethene	10.80	10.67	99
1,1-Dichloroethane	10.70	11.02	103
Methyl Tert Butyl Ether (MTBE)	10.70	11.22	105
Vinyl Acetate	11.00	13.62	124
2-Butanone (MEK)	10.70	10.31	96
cis-1,2-Dichloroethene	10.70	10.43	97
Hexane	10.80	10.06	93
Chloroform	10.70	10.65	100
Ethyl Acetate	10.70	12.22	114
Tetrahydrofuran	10.40	10.01	96
1,2-Dichloroethane	10.60	11.06	104
1,1,1-Trichloroethane	10.50	10.75	102
Benzene	10.70	10.55	99
Carbon Tetrachloride	10.30	11.08	108
Cyclohexane	10.50	9.94	95

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.16	104
Bromodichloromethane	10.50	11.00	105
1,4-Dioxane	10.50	10.14	97
Trichloroethene (TCE)	10.50	10.34	98
2,2,4-Trimethylpentane	10.10	10.92	108
Methyl Methacrylate	11.00	11.51	105
Heptane	10.50	10.34	98
cis-1,3-Dichloropropene	10.50	10.79	103
4-Methyl-2-pentanone (MiBK)	10.50	11.10	106
trans-1,3-Dichloropropene	10.60	11.02	104
1,1,2-Trichloroethane	10.60	9.96	94
Toluene	10.80	10.22	95
2-Hexanone (MBK)	10.50	11.80	112
Dibromochloromethane	10.60	10.79	102
1,2-Dibromoethane	10.60	10.36	98
Tetrachloroethene (PCE)	10.50	9.64	92
Chlorobenzene	10.80	10.12	94
Ethylbenzene	10.60	10.40	98
m & p-Xylene	21.20	19.70	93
Bromoform	10.60	10.78	102
Styrene	10.60	10.80	102
1,1,2,2-Tetrachloroethane	10.60	10.27	97
o-Xylene	10.60	10.39	98
1,2,3-Trichloropropane	11.00	10.99	100
Isopropylbenzene (Cumene)	10.40	10.07	97
α-Pinene	10.80	9.62	89
2-Chlorotoluene	10.30	10.33	100
n-Propylbenzene	10.10	9.79	97
4-Ethyltoluene	10.40	9.67	93
1,3,5-Trimethylbenzene	10.30	9.72	94
β-Pinene	10.90	8.53	78
1,2,4-Trimethylbenzene	10.30	9.84	96
Benzyl Chloride (a-Chlorotoluene)	10.30	10.86	105
1,3-Dichlorobenzene	10.30	9.97	97
1,4-Dichlorobenzene	10.20	9.85	97
Sec-ButylBenzene	10.10	9.55	95
1,2-Dichlorobenzene	10.40	9.80	94
n-ButylBenzene	10.30	10.07	98
1,2-Dibromo-3-Chloropropane	10.30	10.16	99
1,2,4-Trichlorobenzene	10.50	10.43	99
Naphthalene	10.90	11.74	108
Hexachlorobutadiene	10.80	9.38	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/17/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.22	9.28	98	99	0.6
1,1-Dichloroethene	0.0	10.50	9.93	9.95	95	95	0.2
Methylene Chloride (DCM)	0.0	10.40	9.95	10.02	96	96	0.7
Benzene	0.0	10.70	10.55	10.34	99	97	2.0
Trichloroethene (TCE)	0.0	10.50	10.34	10.38	98	99	0.4
Toluene	0.0	10.80	10.22	10.10	95	94	1.2
Tetrachloroethene (PCE)	0.0	10.50	9.64	9.69	92	92	0.5
Chlorobenzene	0.0	10.80	10.12	9.97	94	92	1.5
Ethylbenzene	0.0	10.60	10.40	10.14	98	96	2.5
m & p-Xylene	0.0	21.20	19.70	19.02	93	90	3.5
o-Xylene	0.0	10.60	10.39	10.28	98	97	1.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/17/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041724*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	88%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041724*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/17/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.43

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240853-56843

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.30	8.38	1.0
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	1.63	1.44	12.1
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	13.2	13.2	0.1
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	8.10	8.60	6.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	6.39	6.19	3.2
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA) J	1.87	1.96	4.5
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK) J	1.39	1.29	7.5
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	1.37	1.44	5.1
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	1.97	2.04	3.6
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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240853

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-06	56842	4/16	1153	Summa 1	X				
MS-07	56843		0932		X				
MS-08	56844		1038		X				
MS-09	56845		1026		X				
MS-10	56846		0953		X				
MS-11	56847		0907		X				
MS-12	56848		1047		X				
SCV	56849		1009		X				
Chiquito Cyn Rd	56850		1107		X				
S End Lincoln	56851		1056		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature
Thermometer ID
Initials
Preserved Bottles
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/24 Time 1537	

0/0 - 17x cans

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS				
MS-01	56852	4/16	1242	Summa 1	x				
MS-02	56853		1133		x				
MS-03	56854		1204		x				
MS-04	56855		1319		x				
MS-05	56856		1227		x				
Reaction	56857		1301		x				
Working Face	56858	↓	1217	↓	x				

LAB USE ONLY
Lab ID:
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chart
Total Cans
Unused Cans
New Containers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	Received By Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	Received By Print: Signature:	Date 4/16/24 Time 1537

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CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-06	56859	4/16	1153	Tedlar 1	X					
MS-07	56860		0932		X					
MS-08	56861		1038		X					
MS-09	56862		1026		X					
MS-10	56863		0953		X					
MS-11	56864		0907		X					
MS-12	56865		1047		X					
SCV	56866		1609		X					
Chiquito Cyn Rd	56867		1107		X					
S End Lincoln	56868	↓	1056	↓	X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chart
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/24 Time 1537	

240853

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR	Lab ID
MS-01	56869	4/16	1242	Tedlar 1	X	
MS-02	56870		1133		X	
MS-03	56871		1204		X	
MS-04	56872		1319		X	
MS-05	56873		1227		X	
Reaction	56874		1301		X	
Working Face	56875	↓	1217		X	

LAB USE ONLY:
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chilled:
Total Cans:
Unused Cans:
New Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/24 Time 1537	

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240853
REPORT DATE	: 04/19/2024

On April 16th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	240853-56859	S End Lincoln	240853-56868
MS-07	240853-56860	MS-01	240853-56869
MS-08	240853-56861	MS-02	240853-56870
MS-09	240853-56862	MS-03	240853-56871
MS-10	240853-56863	MS-04	240853-56872
MS-11	240853-56864	MS-05	240853-56873
MS-12	240853-56865	Reaction	240853-56874
SCV	240853-56866	Working Face	240853-56875
Chiquita Cyn Rd.	240853-56867		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240853
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/16-17/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	240853-56859	240853-56860	240853-56861	240853-56862	240853-56863	240853-56864
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.010**	**0.009**	**0.011**	< 0.005	**0.008**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.010**	**0.009**	**0.011**	< 0.005	**0.008**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240853
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/17/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd.	S End Lincoln	MS-01	MS-02
AAC ID	240853-56865	240853-56866	240853-56867	240853-56868	240853-56869	240853-56870
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.006**	< 0.005	< 0.005	**0.007**	**0.008**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.006**	< 0.005	< 0.005	**0.007**	**0.008**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240853
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/17/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	240853-56871	240853-56872	240853-56873	240853-56874	240853-56875
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.006**	**0.006**	**0.008**	< 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	**0.006**	**0.006**	**0.013**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/16/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11216	0.520	101.8	2.8
Duplicate	10623	0.493	96.4	2.6
Triplicate	10897	0.505	98.9	0.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9591	0.517	103.1	4.6
Duplicate	8873	0.479	95.3	3.3
Triplicate	9056	0.489	97.3	1.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12411	0.515	103.6	3.4
Duplicate	11667	0.484	97.4	2.8
Triplicate	11924	0.495	99.6	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.253	0.271	99.0	106.1	6.9
MeSH	<PQL	0.251	0.265	0.268	105.6	106.8	1.1
DMS	<PQL	0.249	0.265	0.269	106.6	108.2	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.511	100.0
MeSH	0.502	0.497	99.0
DMS	0.497	0.486	97.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/17/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10709	0.497	97.2	2.0
Duplicate	10973	0.509	99.6	0.4
Triplicate	11098	0.515	100.7	1.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9216	0.497	99.0	2.3
Duplicate	9474	0.511	101.8	0.4
Triplicate	9611	0.518	103.3	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12322	0.511	102.9	0.9
Duplicate	12410	0.515	103.6	0.2
Triplicate	12567	0.521	104.9	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.255	0.246	99.8	96.3	3.6
MeSH	<PQL	0.251	0.256	0.266	102.0	106.0	3.8
DMS	<PQL	0.249	0.270	0.273	108.7	109.9	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.509	101.4
DMS	0.497	0.518	104.2

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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240853

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Addre
pschafer@scsengineers.co
rhuff@scsengineers.com

Send Invoice To (Name/Email/Addr

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	56859	4/16	1153	Tedlar 1	X				
MS-07	56860		0932		X				
MS-08	56861		1038		X				
MS-09	56862		1026		X				
MS-10	56863		0953		X				
MS-11	56864		0907		X				
MS-12	56865		1047		X				
SCV	56866		1609		X				
Chiquito Cyn Rd	56867		1107		X				
S End Lincoln	56868		1056		X				

LAB USE ONLY
Lab ID
Sample Rece
via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperatur
Thermomete
ID
Initials
Retained Co
Total cans:
Unused cans
Flow Control

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 11/6/24 Time 1537

240853

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Addres

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	56869	4/16	1242	Tedlar 1	X				
MS-02	56870	↓	1133	↓	X				
MS-03	56871		1204		X				
MS-04	56872		1319		X				
MS-05	56873		1227		X				
Reaction	56874		1301		X				
Working Face	56875	↓	1217	↓	X				

LAB USE ONLY

Lab ID	Sample Receipt via:
	☐ FedEx
	☐ UPS
	☐ Courier
	☐ Other
	Temperature:
	Thermometer ID:
	Initials:
	Returned Cont
	Total cans:
	Unused cans:
	Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1539	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/21 Time 1537	

240853

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: Armando Hurtado

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-06	56842	4/16	1153	Summa 1	X					
MS-07	56843		0932		X					
MS-08	56844		1038		X					
MS-09	56845		1026		X					
MS-10	56846		0953		X					
MS-11	56847		0907		X					
MS-12	56848		1047		X					
SCV	56849		1009		X					
Chiquita Cyn Rd	56850		1107		X					
S End Lincoln	56851		1056		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Returned Cont.
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature: Armando Hurtado	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/24 Time 1537	

06 - 17x cans

240853

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Add
pschafer@scsengineers.
rhuff@scsengineers.com

Send Invoice To (Name/Email/Ad

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-01	56852	4/16	1242	Summa 1	X				
MS-02	56853		1133		X				
MS-03	56854		1204		X				
MS-04	56855		1319		X				
MS-05	56856		1227		X				
Reaction	56857		1301		X				
Working Face	56858		1217		X				

LAB USE ONLY
Lab ID
Sample Rec
Via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperatu
Thermome
ID
Initials
Returned E
Total cans:
Unused can
Flow Contro

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/16 Time 1535	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/16/24 Time 1537

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 240909
REPORT DATE : 04/25/2024

On April 23, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240909-57167	708.0	SCV	240909-57176	725.5
MS-07	240909-57168	727.0	MS-01	240909-57177	693.0
MS-08	240909-57169	722.0	MS-02	240909-57178	760.0
MS-09	240909-57170	722.0	MS-03	240909-57179	702.0
MS-10	240909-57171	708.5	MS-04	240909-57180	689.5
MS-11	240909-57172	759.0	MS-05	240909-57181	699.5
MS-12	240909-57173	711.5	Working Face	240909-57182	707.5
Chiquito Cyn Rd	240909-57174	728.0	Reaction	240909-57183	698.5
S End Lincoln	240909-57175	723.0	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57167				240909-57168				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.43				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloromethane	0.96		1	0.72	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.17	9.52		1	6.98	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	2.87	<SRL	U	1	2.79	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	4.42		1	2.87	<SRL	U	1	2.79	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.79	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.79	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57167				240909-57168				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.43				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				86%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57169				240909-57170				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.04	<SRL	U	1	7.04	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	2.82	2.96		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	2.82	6.34		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.82	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.82	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57169				240909-57170				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				88%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57171				240909-57172				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.44				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Chloromethane	0.86		1	0.72	<SRL	U	1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Methanol	<SRL	U	1	7.21	18.2		1	6.69	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Ethanol	3.13		1	2.88	<SRL	U	1	2.67	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Acetone	3.29		1	2.88	<SRL	U	1	2.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.67	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57171				240909-57172				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.44				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.34	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.67	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57173				240909-57174				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.43				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.13	<SRL	U	1	7.00	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethanol	2.90		1	2.85	<SRL	U	1	2.80	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	2.85	<SRL	U	1	2.80	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	2.80	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	2.80	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57173				240909-57174				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.43				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		87%				88%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57175				240909-57176				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.41				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methanol	10.0		1	7.04	<SRL	U	1	7.12	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.81	4.80		1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.81	10.3		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	<SRL	U	1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.81	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57175				240909-57176				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.41				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		89%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57177				240909-57178				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.51				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.55	18.2		1	7.03	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	3.02	<SRL	U	1	2.81	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	3.02	19.9		1	2.81	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	3.02	<SRL	U	1	2.81	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	3.02	<SRL	U	1	2.81	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57177				240909-57178				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.51				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.51	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57179				240909-57180				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.23	9.26		1	7.35	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	2.89	3.13		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	2.89	3.03		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57179				240909-57180				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		87%				87%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57181				240909-57182				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	8.94		1	7.26	<SRL	U	1	7.21	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57181				240909-57182				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/24/2024				04/24/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57183				
Date Sampled	04/23/2024				
Date Analyzed	04/24/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	4.26		1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	127		1	7.28	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	45.4		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	16.7		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	8.11		1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	9.12		1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	0.95		1	0.73	0.50
Tetrahydrofuran	10.3		1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	6.61		1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240909
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240909-57183				
Date Sampled	04/23/2024				
Date Analyzed	04/24/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 240909
MATRIX : AIR

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/25/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	240909-57167	04/23/2024	04/24/2024	<SRL	U	1.43	1.0	89%
MS-07	240909-57168	04/23/2024	04/24/2024	<SRL	U	1.40	1.0	86%
MS-08	240909-57169	04/23/2024	04/24/2024	<SRL	U	1.41	1.0	89%
MS-09	240909-57170	04/23/2024	04/24/2024	<SRL	U	1.41	1.0	88%
MS-10	240909-57171	04/23/2024	04/24/2024	<SRL	U	1.44	1.0	88%
MS-11	240909-57172	04/23/2024	04/24/2024	<SRL	U	1.34	1.0	87%
MS-12	240909-57173	04/23/2024	04/24/2024	<SRL	U	1.43	1.0	87%
Chiquito Cyn Rd	240909-57174	04/23/2024	04/24/2024	<SRL	U	1.40	1.0	88%
S End Lincoln	240909-57175	04/23/2024	04/24/2024	<SRL	U	1.41	1.0	89%
SCV	240909-57176	04/23/2024	04/24/2024	<SRL	U	1.42	1.0	88%
MS-01	240909-57177	04/23/2024	04/24/2024	<SRL	U	1.51	1.0	88%
MS-02	240909-57178	04/23/2024	04/24/2024	<SRL	U	1.33	1.0	87%
MS-03	240909-57179	04/23/2024	04/24/2024	<SRL	U	1.45	1.0	87%
MS-04	240909-57180	04/23/2024	04/24/2024	<SRL	U	1.47	1.0	87%
MS-05	240909-57181	04/23/2024	04/24/2024	<SRL	U	1.45	1.0	88%
Working Face	240909-57182	04/23/2024	04/24/2024	<SRL	U	1.44	1.0	87%
Reaction	240909-57183	04/23/2024	04/24/2024	8.09		1.46	1.0	90%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/24/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.16	97
Chlorodifluoromethane	10.30	12.27	119
Propene	10.70	12.55	117
Dichlorodifluoromethane	10.40	11.47	110
Dimethyl Ether	10.20	11.85	116
Chloromethane	10.50	12.28	117
Dichlorotetrafluoroethane	10.20	10.35	101
Vinyl Chloride	10.60	11.24	106
Acetaldehyde	21.00	27.25	130
Methanol	19.00	24.34	128
1,3-Butadiene	10.70	12.57	117
Bromomethane	10.40	10.23	98
Chloroethane	10.40	9.42	91
Dichlorofluoromethane	10.20	10.17	100
Ethanol	11.40	12.78	112
Vinyl Bromide	10.10	10.08	100
Acrolein	10.90	11.84	109
Acetone	10.60	10.38	98
Trichlorofluoromethane	10.50	10.90	104
2-Propanol (IPA)	11.00	13.33	121
Acrylonitrile	11.00	12.59	114
1,1-Dichloroethene	10.50	10.06	96
Methylene Chloride (DCM)	10.40	10.15	98
TertButanol (TBA)	11.10	13.62	123
Allyl Chloride	10.20	10.83	106
Carbon Disulfide	10.50	10.92	104
Trichlorotrifluoroethane	10.30	10.18	99
trans-1,2-Dichloroethene	10.80	10.56	98
1,1-Dichloroethane	10.70	11.07	103
Methyl Tert Butyl Ether (MTBE)	10.70	11.10	104
Vinyl Acetate	11.00	13.89	126
2-Butanone (MEK)	10.70	10.16	95
cis-1,2-Dichloroethene	10.70	10.07	94
Hexane	10.80	9.87	91
Chloroform	10.70	10.52	98
Ethyl Acetate	10.70	12.55	117
Tetrahydrofuran	10.40	10.01	96
1,2-Dichloroethane	10.60	11.05	104
1,1,1-Trichloroethane	10.50	10.97	104
Benzene	10.70	10.29	96
Carbon Tetrachloride	10.30	11.06	107
Cyclohexane	10.50	10.35	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.03	103
Bromodichloromethane	10.50	11.22	107
1,4-Dioxane	10.50	10.48	100
Trichloroethene (TCE)	10.50	10.33	98
2,2,4-Trimethylpentane	10.10	10.98	109
Methyl Methacrylate	11.00	11.67	106
Heptane	10.50	10.03	96
cis-1,3-Dichloropropene	10.50	10.88	104
4-Methyl-2-pentanone (MiBK)	10.50	11.23	107
trans-1,3-Dichloropropene	10.60	10.93	103
1,1,2-Trichloroethane	10.60	10.05	95
Toluene	10.80	10.15	94
2-Hexanone (MBK)	10.50	12.00	114
Dibromochloromethane	10.60	11.00	104
1,2-Dibromoethane	10.60	10.51	99
Tetrachloroethene (PCE)	10.50	9.63	92
Chlorobenzene	10.80	10.20	94
Ethylbenzene	10.60	10.23	97
m & p-Xylene	21.20	19.39	91
Bromoform	10.60	10.67	101
Styrene	10.60	10.71	101
1,1,2,2-Tetrachloroethane	10.60	10.27	97
o-Xylene	10.60	10.32	97
1,2,3-Trichloropropane	11.00	10.91	99
Isopropylbenzene (Cumene)	10.40	9.95	96
α-Pinene	10.80	9.61	89
2-Chlorotoluene	10.30	10.27	100
n-Propylbenzene	10.10	9.79	97
4-Ethyltoluene	10.40	9.63	93
1,3,5-Trimethylbenzene	10.30	9.64	94
β-Pinene	10.90	8.46	78
1,2,4-Trimethylbenzene	10.30	9.75	95
Benzyl Chloride (a-Chlorotoluene)	10.30	11.02	107
1,3-Dichlorobenzene	10.30	9.73	94
1,4-Dichlorobenzene	10.20	9.84	96
Sec-ButylBenzene	10.10	9.56	95
1,2-Dichlorobenzene	10.40	9.76	94
n-ButylBenzene	10.30	10.14	98
1,2-Dibromo-3-Chloropropane	10.30	10.14	98
1,2,4-Trichlorobenzene	10.50	10.24	98
Naphthalene	10.90	11.79	108
Hexachlorobutadiene	10.80	9.51	88

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/24/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.16	9.10	97	97	0.7
1,1-Dichloroethene	0.0	10.50	10.06	9.86	96	94	2.0
Methylene Chloride (DCM)	0.0	10.40	10.15	9.83	98	95	3.2
Benzene	0.0	10.70	10.29	10.52	96	98	2.2
Trichloroethene (TCE)	0.0	10.50	10.33	10.40	98	99	0.7
Toluene	0.0	10.80	10.15	10.31	94	95	1.6
Tetrachloroethene (PCE)	0.0	10.50	9.63	9.67	92	92	0.4
Chlorobenzene	0.0	10.80	10.20	9.98	94	92	2.2
Ethylbenzene	0.0	10.60	10.23	10.20	97	96	0.3
m & p-Xylene	0.0	21.20	19.39	19.18	91	90	1.1
o-Xylene	0.0	10.60	10.32	10.31	97	97	0.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/24/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 042424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	88%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 042424*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/24/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.46

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240909-57183

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.42	8.40	0.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	4.26	4.29	0.7
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	6.36	6.34	0.2
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	127	133	4.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	45.4	46.4	2.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	16.7	16.8	0.9
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	8.11	8.15	0.5
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	9.12	9.36	2.5
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	0.95	0.96	1.5
Tetrahydrofuran	10.3	10.2	1.0
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	6.61	6.45	2.5
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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240909

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-06	57167	4/23	1151	Summa 1	X					
MS-07	57168		0940		X					
MS-08	57169		1017		X					
MS-09	57170		1030		X					
MS-10	57171		1049		X					
MS-11	57172		0912		X					
MS-12	57173		1008		X					
Chiquito Cyn Rd	57174		0952		X					
S End Lincoln	57175		1000		X					
SCV	57176	↓	1039	↓	X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chilled:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1641

240909

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-01	57177	4/23	1303	Summa 1	X					
MS-02	57178		1216		X					
MS-03	57179		1201		X					
MS-04	57180		1338		X					
MS-05	57181		1248		X					
Working Face	57182		1231		X					
Reaction	57183		1319		X					

LAB USE ONLY: Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other Temperature: Thermometer ID: Initials: Additional Comments: Total Cans: Unused Cans: Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1646

240909

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-06	57184	4/23	1151	Tedlar 1	X					
MS-07	57185	↓	0940	↓	X					
MS-08	57186		1017		X					
MS-09	57187		1030		X					
MS-10	57188		1044		X					
MS-11	57189		0912		X					
MS-12	57190		1008		X					
Chiquita Cyn Rd	57191		0952		X					
S End Lincoln	57192		1000		X					
SCV	57193	↓	1039	↓	X					

LAB USE ONLY
Sample Received Via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Custody Seal:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1646

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	57194	4/23	1303	Tedlar 1	X				
MS-02	57195		1216		X				
MS-03	57196		1201		X				
MS-04	57197		1338		X				
MS-05	57198		1248		X				
A.H. Working Face	57199		1231		X				
Reaction	57200		1319		X				

LAB USE ONLY
Lab ID:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID:
Initials:
Ambient/Chilled
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1646

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240909
REPORT DATE	: 04/26/2024

On April 23, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	240909-57184	SCV	240909-57193
MS-07	240909-57185	MS-01	240909-57194
MS-08	240909-57186	MS-02	240909-57195
MS-09	240909-57187	MS-03	240909-57196
MS-10	240909-57188	MS-04	240909-57197
MS-11	240909-57189	MS-05	240909-57198
MS-12	240909-57190	Working Face	240909-57199
Chiquita Cyn Rd	240909-57191	Reaction	240909-57200
S End Lincoln	240909-57192		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240909
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/23-24/2024
REPORT DATE : 04/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	240909-57184	240909-57185	240909-57186	240909-57187	240909-57188	240909-57189
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240909
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/24/2024
REPORT DATE : 04/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	Chiquita Cyn Rd	S End Lincoln	SCV	MS-01	MS-02
AAC ID	240909-57190	240909-57191	240909-57192	240909-57193	240909-57194	240909-57195
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240909
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/24/2024
REPORT DATE : 04/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	240909-57196	240909-57197	240909-57198	240909-57199	240909-57200
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	**0.009**
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	**0.009**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/23/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11357	0.527	103.0	1.0
Duplicate	11534	0.535	104.7	2.5
Triplicate	10854	0.503	98.5	3.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9485	0.512	101.9	1.3
Duplicate	9604	0.518	103.2	2.6
Triplicate	9002	0.486	96.7	3.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12429	0.516	103.8	1.0
Duplicate	12488	0.518	104.3	1.5
Triplicate	11990	0.498	100.1	2.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.266	0.271	104.1	106.1	1.9
MeSH	<PQL	0.251	0.259	0.273	103.2	108.8	5.3
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.513	100.4
MeSH	0.502	0.504	100.4
DMS	0.497	0.498	100.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/24/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10922	0.506	99.1	0.6
Duplicate	10571	0.490	95.9	3.8
Triplicate	11465	0.532	104.0	4.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9321	0.503	100.2	0.2
Duplicate	8927	0.482	95.9	4.1
Triplicate	9664	0.521	103.9	3.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12441	0.516	103.9	1.2
Duplicate	12004	0.498	100.2	2.4
Triplicate	12447	0.517	103.9	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.245	0.239	95.9	93.5	2.5
MeSH	<PQL	0.251	0.246	0.248	98.0	98.8	0.8
DMS	<PQL	0.249	0.252	0.250	101.4	100.6	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.530	103.7
MeSH	0.502	0.519	103.4
DMS	0.497	0.507	102.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

240909

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-06	57167	4/23	1151	Summa 1	X					
MS-07	57168		0940		X					
MS-08	57169		1017		X					
MS-09	57170		1030		X					
MS-10	57171		1049		X					
MS-11	57172		0912		X					
MS-12	57173		1008		X					
Chiquito Cyn Rd	57174		0952		X					
S End Lincoln	57175		1000		X					
SCV	57176	↓	1039		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID: ____
Initials: ____
Received Cont: ____
Total cans: ____
Unused cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1641

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS-01	57177	4/23	1303	Summa 1	X					
MS-02	57178	↓	1216	↓	X					
MS-03	57179		1201		X					
MS-04	57180		1338		X					
MS-05	57181		1248		X					
Working Face	57182		1231		X					
Reaction	57183	↓	1319	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Blue?
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1646	

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY Lab ID
MS-06	57184	4/23	1151	Tedlar 1	X					
MS-07	57185		0940		X					
MS-08	57186		1017		X					
MS-09	57187		1030		X					
MS-10	57188		1049		X					
MS-11	57189		0912		X					
MS-12	57190		1608		X					
Chiquita Cyn Rd	57191		0952		X					
S End Lincoln	57192		1000		X					
SCV	57193	↓	1039	↓	X					

LAB USE ONLY
Sample Received via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperature: °C
Thermometer ID
Initials
Received Cont:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/23/24 Time 1625	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 4/23/24 Time 1646	

240909

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested
307.91 SULFUR

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	Lab ID
MS-01	57194	4/23	1303	Tedlar 1	X	
MS-02	57195		1216		X	
MS-03	57196		1201		X	
MS-04	57197		1338		X	
MS-05	57198		1248		X	
Working Face Reaction	57199		1231		X	
	57200		1319		X	

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned Cans:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By	Date	Received By	Date
Print: Armando Hurtado	4/23/24	Print:	
Signature:	Time 1625	Signature:	Time
Relinquished By	Date	Received By	Date 4/23/24
Print:		Print:	
Signature:	Time	Signature:	Time 1646

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 240968
REPORT DATE : 05/02/2024

On April 30, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	240968-57501	694.0	Chiquito Cyn Rd	240968-57510	700.0
MS-07	240968-57502	760.0	MS-01	240968-57511	683.0
MS-08	240968-57503	697.5	MS-02	240968-57512	686.5
MS-09	240968-57504	760.0	MS-03	240968-57513	693.0
MS-10	240968-57505	699.5	MS-04	240968-57514	750.5
MS-11	240968-57506	713.5	MS-05	240968-57515	677.0
MS-12	240968-57507	701.5	Reaction	240968-57516	691.0
SCV	240968-57508	693.0	Working Face	240968-57517	694.0
S End Lincoln	240968-57509	698.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL)	MS-07			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240968-57501				240968-57502				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.34				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Chloromethane	0.75		1	0.73	0.67		1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Methanol	14.2		1	7.32	16.8		1	6.68	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Ethanol	17.4		1	2.93	2.98		1	2.67	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Acetone	3.94		1	2.93	3.24		1	2.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.67	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57501				240968-57502				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.34	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.67	0.50
BFB-Surrogate Std. % Recovery		87%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57503				240968-57504				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Chloromethane	0.79		1	0.73	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Methanol	11.7		1	7.28	18.9		1	6.93	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Ethanol	<SRL	U	1	2.91	3.17		1	2.77	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Acetone	<SRL	U	1	2.91	6.17		1	2.77	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.77	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.77	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57503				240968-57504				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		88%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57505				240968-57506				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.45				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methanol	11.0		1	7.26	10.6		1	7.13	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethanol	3.20		1	2.90	<SRL	U	1	2.85	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Acetone	5.49		1	2.90	3.68		1	2.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.85	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57505				240968-57506				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.45				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57507				240968-57508				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	0.80		1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	15.9		1	7.26	13.2		1	7.33	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	5.88		1	2.91	3.55		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	8.73		1	2.91	11.1		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	1.74		1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57507				240968-57508				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57509				240968-57510				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.76		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	15.5		1	7.29	13.0		1	7.26	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	4.42		1	2.91	3.35		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.86		1	2.91	3.06		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57509				240968-57510				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.46				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57511				240968-57512				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.49				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.74	0.83		1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methanol	16.7		1	7.43	18.7		1	7.87	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethanol	4.92		1	2.97	4.28		1	3.15	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Acetone	3.86		1	2.97	3.90		1	3.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	2.97	<SRL	U	1	3.15	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Carbon Disulfide	<SRL	U	1	2.97	<SRL	U	1	3.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57511				240968-57512				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.49				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.57	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Styrene	3.61		1	0.74	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57513				240968-57514				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.47				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Chloromethane	0.73		1	0.73	0.80		1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Methanol	13.8		1	7.34	14.2		1	6.78	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Ethanol	2.96		1	2.94	8.36		1	2.71	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Acetone	3.17		1	2.94	28.3		1	2.71	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.71	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.71	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57513				240968-57514				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.47				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.36	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57515				240968-57516				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.50	5.19		1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.75	0.83		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methanol	13.1		1	7.50	96.9		1	7.44	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.00	26.0		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Acetone	3.69		1	3.00	16.0		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	5.97		1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.00	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	9.06		1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.75	0.80		1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.75	10.5		1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.75	7.01		1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57515				240968-57516				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/01/2024				05/01/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.75	0.94		1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57517				
Date Sampled	04/30/2024				
Date Analyzed	05/01/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	0.75		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	20.2		1	7.34	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	23.3		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	3.70		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240968
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240968-57517				
Date Sampled	04/30/2024				
Date Analyzed	05/01/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 240968
MATRIX : AIR

DATE RECEIVED : 04/30/2024
DATE REPORTED : 05/02/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	240968-57501	04/30/2024	05/01/2024	<SRL	U	1.46	1.0	87%
MS-07	240968-57502	04/30/2024	05/01/2024	<SRL	U	1.34	1.0	90%
MS-08	240968-57503	04/30/2024	05/01/2024	<SRL	U	1.46	1.0	88%
MS-09	240968-57504	04/30/2024	05/01/2024	<SRL	U	1.39	1.0	91%
MS-10	240968-57505	04/30/2024	05/01/2024	<SRL	U	1.45	1.0	90%
MS-11	240968-57506	04/30/2024	05/01/2024	<SRL	U	1.43	1.0	89%
MS-12	240968-57507	04/30/2024	05/01/2024	<SRL	U	1.45	1.0	89%
SCV	240968-57508	04/30/2024	05/01/2024	<SRL	U	1.47	1.0	91%
S End Lincoln	240968-57509	04/30/2024	05/01/2024	<SRL	U	1.46	1.0	90%
Chiquito Cyn Rd	240968-57510	04/30/2024	05/01/2024	<SRL	U	1.45	1.0	89%
MS-01	240968-57511	04/30/2024	05/01/2024	<SRL	U	1.49	1.0	90%
MS-02	240968-57512	04/30/2024	05/01/2024	<SRL	U	1.49	1.0	89%
MS-03	240968-57513	04/30/2024	05/01/2024	<SRL	U	1.47	1.0	89%
MS-04	240968-57514	04/30/2024	05/01/2024	<SRL	U	1.36	1.0	89%
MS-05	240968-57515	04/30/2024	05/01/2024	<SRL	U	1.50	1.0	89%
Reaction	240968-57516	04/30/2024	05/01/2024	5.75		1.49	1.0	89%
Working Face	240968-57517	04/30/2024	05/01/2024	<SRL	U	1.47	1.0	88%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/01/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.28	99
Chlorodifluoromethane	10.30	12.71	123
Propene	10.70	13.72	128
Dichlorodifluoromethane	10.40	11.90	114
Dimethyl Ether	10.20	12.77	125
Chloromethane	10.50	12.31	117
Dichlorotetrafluoroethane	10.20	10.39	102
Vinyl Chloride	10.60	11.81	111
Acetaldehyde	21.00	22.91	109
Methanol	19.00	22.41	118
1,3-Butadiene	10.70	12.70	119
Bromomethane	10.40	10.21	98
Chloroethane	10.40	9.38	90
Dichlorofluoromethane	10.20	10.13	99
Ethanol	11.40	12.05	106
Vinyl Bromide	10.10	10.18	101
Acrolein	10.90	11.45	105
Acetone	10.60	10.98	104
Trichlorofluoromethane	10.50	10.91	104
2-Propanol (IPA)	11.00	13.00	118
Acrylonitrile	11.00	11.69	106
1,1-Dichloroethene	10.50	10.02	95
Methylene Chloride (DCM)	10.40	10.10	97
TertButanol (TBA)	11.10	12.57	113
Allyl Chloride	10.20	11.21	110
Carbon Disulfide	10.50	11.52	110
Trichlorotrifluoroethane	10.30	10.14	98
trans-1,2-Dichloroethene	10.80	10.64	99
1,1-Dichloroethane	10.70	11.06	103
Methyl Tert Butyl Ether (MTBE)	10.70	11.27	105
Vinyl Acetate	11.00	12.08	110
2-Butanone (MEK)	10.70	11.09	104
cis-1,2-Dichloroethene	10.70	10.57	99
Hexane	10.80	10.00	93
Chloroform	10.70	10.70	100
Ethyl Acetate	10.70	11.88	111
Tetrahydrofuran	10.40	10.08	97
1,2-Dichloroethane	10.60	11.11	105
1,1,1-Trichloroethane	10.50	11.19	107
Benzene	10.70	10.33	97
Carbon Tetrachloride	10.30	11.61	113
Cyclohexane	10.50	10.24	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.10	104
Bromodichloromethane	10.50	11.59	110
1,4-Dioxane	10.50	10.25	98
Trichloroethene (TCE)	10.50	10.42	99
2,2,4-Trimethylpentane	10.10	11.11	110
Methyl Methacrylate	11.00	11.15	101
Heptane	10.50	10.33	98
cis-1,3-Dichloropropene	10.50	11.10	106
4-Methyl-2-pentanone (MiBK)	10.50	11.23	107
trans-1,3-Dichloropropene	10.60	11.21	106
1,1,2-Trichloroethane	10.60	10.07	95
Toluene	10.80	10.11	94
2-Hexanone (MBK)	10.50	12.22	116
Dibromochloromethane	10.60	11.68	110
1,2-Dibromoethane	10.60	10.67	101
Tetrachloroethene (PCE)	10.50	9.58	91
Chlorobenzene	10.80	10.05	93
Ethylbenzene	10.60	10.15	96
m & p-Xylene	21.20	19.08	90
Bromoform	10.60	11.25	106
Styrene	10.60	10.65	100
1,1,2,2-Tetrachloroethane	10.60	10.26	97
o-Xylene	10.60	10.27	97
1,2,3-Trichloropropane	11.00	11.03	100
Isopropylbenzene (Cumene)	10.40	9.89	95
α-Pinene	10.80	8.81	82
2-Chlorotoluene	10.30	10.27	100
n-Propylbenzene	10.10	9.57	95
4-Ethyltoluene	10.40	9.50	91
1,3,5-Trimethylbenzene	10.30	9.53	93
β-Pinene LR	10.90	6.04	55
1,2,4-Trimethylbenzene	10.30	9.58	93
Benzyl Chloride (a-Chlorotoluene)	10.30	11.46	111
1,3-Dichlorobenzene	10.30	9.80	95
1,4-Dichlorobenzene	10.20	9.94	97
Sec-ButylBenzene	10.10	9.42	93
1,2-Dichlorobenzene	10.40	9.76	94
n-ButylBenzene	10.30	10.09	98
1,2-Dibromo-3-Chloropropane	10.30	10.56	103
1,2,4-Trichlorobenzene	10.50	10.62	101
Naphthalene	10.90	11.75	108
Hexachlorobutadiene	10.80	9.46	88

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/01/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.28	9.21	99	98	0.8
1,1-Dichloroethene	0.0	10.50	10.02	10.10	95	96	0.8
Methylene Chloride (DCM)	0.0	10.40	10.10	10.30	97	99	2.0
Benzene	0.0	10.70	10.33	10.54	97	99	2.0
Trichloroethene (TCE)	0.0	10.50	10.42	10.45	99	100	0.3
Toluene	0.0	10.80	10.11	10.39	94	96	2.7
Tetrachloroethene (PCE)	0.0	10.50	9.58	9.89	91	94	3.2
Chlorobenzene	0.0	10.80	10.05	10.13	93	94	0.8
Ethylbenzene	0.0	10.60	10.15	10.25	96	97	1.0
m & p-Xylene	0.0	21.20	19.08	19.20	90	91	0.6
o-Xylene	0.0	10.60	10.27	10.34	97	98	0.7

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/01/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050124*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/01/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.34

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240968-57502

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.48	8.58	1.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	0.67	0.68	2.0
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	16.8	16.4	2.3
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	2.98	2.98	0.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.24	3.11	3.8
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

240968

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS				
MS-06	57501	4/30	1330	SUMA 1	X				
MS-07	57502		~~1100~~ BL		X				
MS-08	57503		1134		X				
MS-09	57504		1158		X				
MS-10	57505		1212		X				
MS-11	57506		0951		X				
MS-12	57507		1020		X				
SCV	57508		1229		X				
S. Endurance	57509		1033		X				
Chiquita Cyn Rd	57510	↓	1048	↓	X				

LAB USE ONLY
Lab ID
Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other
Temperature °C
Thermometer ID
Initials
Preserved Cont.
Total Cans
Unused cans
Flow Controller

Client Notes/Special Instructions:

EDD? ☐ Yes ☐ No

LAB USE ONLY: Notes

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: Hunter Darrow Signature:	Date 4/30/21 Time 1633	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

17 cans

240968

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: ARMANDO HURTADO
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + TPHg					LAB ID
MS-01	57511	4/30	1442	1 Summa	X					
MS-02	57512	"	1354	"	X					
MS-03	57513	"	1342	"	X					
MS-04	57514	"	1501	"	X					
MS-05	57515	"	1427	"	X					
Reactor	57516	"	1521	"	X					
Working Face	57517	"	1410	"	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature
Thermometer ID
Initials
Equipment Blank
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER DOREEN Signature:	Date 4/30/24 Time 1633
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240968

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-06	57518	4/30	1330	Suitcase 1	X					
MS-07	57519	↓	1100	↓	X					
MS-08	57520		1134		X					
MS-09	57521		1158		X					
MS-10	57522		1212		X					
MS-11	57523		0951		X					
MS-12	57524		1020		X					
SCV	57525		1229		X					
Chiquita Canyon	57526		1048		X					
S. End Leach	57527	↓	1013	↓	X					

LAB USE ONLY
Sample Received Via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chilled:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER DENTON Signature:	Date 4/30/24 Time 6:53
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240968

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	Lab ID
MS01	57528	4/30	1442	Tedlar 1	X	
MS-02	57529	↓	1354	↓	X	
MS-03	57530		1342		X	
MS-04	57531		1501		X	
MS-05	57532		1427		X	
Reaction	57533		1521		X	
Working Face	57534	↓	1410	↓	X	

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature ____ °C
Thermometer ID ____
Initials ____
Ambient Blank ____
Total Cans ____
Unused Cans ____
Flow Controllers ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER DEATON Signature:	Date 4/30/21 Time 1633
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 240968
REPORT DATE	: 05/03/2024

On April 30th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	240968-57518	S. End Lincoln	240968-57527
MS-07	240968-57519	MS-01	240968-57528
MS-08	240968-57520	MS-02	240968-57529
MS-09	240968-57521	MS-03	240968-57530
MS-10	240968-57522	MS-04	240968-57531
MS-11	240968-57523	MS-05	240968-57532
MS-12	240968-57524	Reaction	240968-57533
SCV	240968-57525	Working Face	240968-57534
Chiquita Cyn Rd	240968-57526		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240968
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30/2024
RECEIVING DATE : 04/30/2024
ANALYSIS DATE : 04/30-05/01/2024
REPORT DATE : 05/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	240968-57518	240968-57519	240968-57520	240968-57521	240968-57522	240968-57523
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240968
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30/2024
RECEIVING DATE : 04/30/2024
ANALYSIS DATE : 04/30-05/01/2024
REPORT DATE : 05/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd	S End Lincoln	MS-01	MS-02
AAC ID	240968-57524	240968-57525	240968-57526	240968-57527	240968-57528	240968-57529
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240968
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30/2024
RECEIVING DATE : 04/30/2024
ANALYSIS DATE : 04/05/01/2024
REPORT DATE : 05/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	240968-57530	240968-57531	240968-57532	240968-57533	240968-57534
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	**0.008**	< 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	**0.008**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/30/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11415	0.529	103.6	0.6
Duplicate	11320	0.525	102.7	0.2
Triplicate	11310	0.524	102.6	0.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9630	0.520	103.5	0.8
Duplicate	9736	0.525	104.6	0.3
Triplicate	9763	0.527	104.9	0.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12501	0.519	104.4	0.2
Duplicate	12555	0.521	104.8	0.3
Triplicate	12512	0.519	104.5	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.270	0.271	105.7	106.1	0.4
MeSH	<PQL	0.251	0.272	0.272	108.4	108.4	0.0
DMS	<PQL	0.249	0.268	0.268	107.8	107.8	0.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.474	92.8
MeSH	0.502	0.470	93.6
DMS	0.497	0.465	93.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/1/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10762	0.499	97.6	3.6
Duplicate	11229	0.521	101.9	0.6
Triplicate	11500	0.533	104.4	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8860	0.478	95.2	4.6
Duplicate	9399	0.507	101.0	1.2
Triplicate	9592	0.517	103.1	3.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12179	0.505	101.7	1.3
Duplicate	12389	0.514	103.4	0.4
Triplicate	12439	0.516	103.9	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.256	108.0	100.2	7.5
MeSH	<PQL	0.251	0.275	0.258	109.6	102.8	6.4
DMS	<PQL	0.249	0.269	0.263	108.2	105.8	2.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.497	97.3
MeSH	0.502	0.503	100.2
DMS	0.497	0.497	100.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-06	57518	4/30	1330	Summa 1	X					
MS-07	57519		1100		X					
MS-08	57520		1134		X					
MS-09 57521	~~57521~~		1158		X					
MS-10	57522		1212		X					
MS-11	57523		0951		X					
MS-12	57524		1020		X					
SCV	57525		1229		X					
Chiquita Yard	57526		1048		X					
S End Ditch	57527		1033		X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Empty
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER DAXTON Signature:	Date 4/30/2021 Time 1653
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

240968

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS01	57528	4/30	1442	tedlar 1	X				
MS-02	57529	↓	1354	↓	X				
MS-03	57530		1342		X				
MS-04	57531		1501		X				
MS-05	57532		1427		X				
Reaction	57533		1521		X				
Working Face	57534	↓	1410	↓	X				

LAB USE ONLY

Lab ID	Sample Received Via:
	☐ FedEx
	☐ UPS
	☐ Courier
	☐ Other
	Temperature: °C
	Thermometer ID:
	Initials:
	Returned Cont:
	Total Cans:
	Unused Cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER DUNCAN Signature:	Date 4/30/24 Time 1633	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

240968

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print: Amanda Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS
MS-06	57501	4/30	1330	SUMMA 1	X
MS-07	57502		~~1100~~ 1102		X
MS-08	57503		1134		X
MS-09	57504		1158		X
MS-10	57505		1212		X
MS-11	57506		0951		X
MS-12	57507		1020		X
SCV	57508		1228		X
S. Endeavor	57509		1033		X
Chiquita Cyn Rd	57510		1048		X

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Received Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By	Date	Received By	Date
Print: Amanda Hurtado	4/30	Print: Hunter Drake	4/30/21
Signature:	Time 1630	Signature:	Time 1633
Relinquished By	Date	Received By	Date
Print:		Print:	
Signature:	Time	Signature:	Time

17L ea

240968

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: ARMANDO HUERTADO
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +TPHg					Lab ID
MS-01	57511	4/30	1442	1 Summa	X					
MS-02	57512	"	1354	"	X					
MS-03	57513	"	1342	"	X					
MS-04	57514	"	1501	"	X					
MS-05	57515	"	1427	"	X					
Reactor	57516	"	1521	"	X					
Working Face	57517	"	1410	"	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned Empty:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Huertado Signature:	Date 4/30 Time 1630	**Received By** Print: HUNTER BARTON Signature:	Date 4/30/24 Time 1633	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples April 2024

	Sample Name	Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	4/2/2024	NO ACCESS					
	MS-02	4/2/2024	NO ACCESS					
	MS-03	4/2/2024	9:53		4/3/2024	9:20 AM	2806	
	MS-04	4/2/2024	11:22		4/3/2024	12:25 PM	1250	sulfur, rotten eggs
	MS-05	4/2/2024	11:41	pumpkin smell + wet grass	4/3/2024	11:40 AM	2500	naturally offensive, vegetation
	Working/Active	4/2/2024	11:56	trashy, fishy, stagnant water; smells like where they kept the pigs at the fair (wet hay?)	4/3/2024	10:25 AM	< 312	
	Reaction	4/2/2024	12:17	slight leachate smell, rotten egg, h2s smell, rubber/burnt rubber (all with the breeze)	4/3/2024	10:10 AM	1113	stale, musty
Off-Site	MS-06	4/2/2024	9:43		4/3/2024	11:10 AM	< 312	
	MS-07	4/2/2024	10:05	trashy, slight persistent leachate smell	4/3/2024	10:40 AM	< 312	
	MS-08	4/2/2024	10:30	slight leachate	4/3/2024	9:40 AM	< 312	
	MS-09	4/2/2024	9:25	wet grass smell	4/3/2024	11:55 AM	3536	trash, rancid
	MS-10	4/2/2024	8:40		4/3/2024	12:40 PM	3535	sulfur, naturally offensive
	MS-11	4/2/2024	NO ACCESS					
	MS-12	4/2/2024	10:39	leachate breezes	4/3/2024	12:10 PM	2227	rancid, putrid, waste
	SCV	4/2/2024	9:17		4/3/2024	9:00 AM	2973	naturally offensive
	Chiquito	4/2/2024	10:15	slight leachate	4/3/2024	11:25 AM	< 312	fresh, sweet
	S End Lincoln	4/2/2024	10:21	nose kind of burns, slight leachate	4/3/2024	9:55 AM	3535	smoke

Odor Samples April 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	4/9/2024	10:10		4/10/2024	10:25 AM	2227	
	MS-02	4/9/2024	9:12		4/10/2024	11:25 AM	2102	sulfur, trash
	MS-03	4/9/2024	13:39	"Masking agent spraying towards sample location"	4/10/2024	10:40 AM	2102	stale, plastic
	MS-04	4/9/2024	10:52		4/10/2024	12:30 PM	1403	sewer, trash
	MS-05	4/9/2024	9:42		4/10/2024	9:15 AM	< 312	
	Working/Active	4/9/2024	9:31		4/10/2024	1:43 PM	< 78	sewer, naturally offensive, trash
	Reaction	4/9/2024	10:36	"Sample taken from bottom of mountain/hill. Strong leachate @34.435103N; 118.651598W"	4/10/2024	10:10 AM	3536	musty, sour, warm, trash
Off-Site	MS-06	4/9/2024	13:28		4/10/2024	12:45 PM	1051	soil, vegetation, not offensive
	MS-07	4/9/2024	11:51	Leachate (strong) and consistent	4/10/2024	11:10 AM	< 156	vinegar
	MS-08	4/9/2024	12:36		4/10/2024	12:15 PM	884	stale, synthetic, plastic
	MS-09	4/9/2024	12:49	Odor bag had hole	4/10/2024	9:30 AM	< 312	burnt oil, fire
	MS-10	4/9/2024	13:13		4/10/2024	1:30 PM	< 78	sewer, stale, musty
	MS-11	4/9/2024	8:43		4/10/2024	11:45 AM	442	sulfur, sewer
	MS-12	4/9/2024	12:27		4/10/2024	9:50 AM	2102	stale, plastic
	SCV	4/9/2024	13:02		4/10/2024	12:00 PM	1486	
	Chiquito	4/9/2024	12:01	Leachate	4/10/2024	9:00 AM	< 312	grease, burnt oil
	S End Lincoln	4/9/2024	12:20		4/10/2024	1:13 PM	556	

Odor Samples April 2024

	Sample Name	Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	4/16/2024	12:42		4/17/2024	11:50 AM	2332	cleaning solution
	MS-02	4/16/2024	11:33	"Leachate. Stronger than OFF (except MS-07) but not super strong"	4/17/2024	9:00 AM	< 156	
	MS-03	4/16/2024	12:04		4/17/2024	12:25 PM	< 156	
	MS-04	4/16/2024	13:19		4/17/2024	12:40 PM	< 156	sweet, cocoa
	MS-05	4/16/2024	12:27		4/17/2024	9:10 AM	3536	putrid, rancid, trash
	Working/Active	4/16/2024	12:17	"Sour @34.429313N; 118.648329W"	4/17/2024	10:55 AM	442	petroleum, gas, synthetic material
	Reaction	4/16/2024	13:01	"Taken from top of mountain/hill @34.436581N; 118.649052W"	4/17/2024	12:05 PM	5612	stale, naturally offensive
Off-Site	MS-06	4/16/2024	11:53		4/17/2024	11:20 AM	1113	sweet, floral
	MS-07	4/16/2024	9:32	Strong leachate smell	4/17/2024	1:10 PM	< 156	
	MS-08	4/16/2024	10:38		4/17/2024	10:20 AM	3536	plastic, sweet
	MS-09	4/16/2024	10:26	Sweet, vanilla	4/17/2024	9:45 AM	1051	
	MS-10	4/16/2024	9:53		4/17/2024	11:35 AM	1768	plastic, stale
	MS-11	4/16/2024	9:07		4/17/2024	1:30 PM	1403	stale, putrid, musty
	MS-12	4/16/2024	10:47	A couple breezes of leachate (faint)	4/17/2024	12:55 PM	1768	sunblock, sewage
	SCV	4/16/2024	10:09		4/17/2024	9:25 AM	1250	sweet
	Chiquito	4/16/2024	11:07	Paint, hints of leachate in waves	4/17/2024	10:40 AM	884	
	S End Lincoln	4/16/2024	10:56	"Hints of leachate (slightly more than at MS-12)"	4/17/2024	10:10 AM	1768	sawdust, naturally offensive, vanilla

Odor Samples April 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	4/23/2024	13:03	Floral, gust of leachate	4/24/2024	12:45 PM	<156	salty, meat
	MS-02	4/23/2024	12:16	Masking agent spraying nearby	4/24/2024	11:53 AM	2228	faint
	MS-03	4/23/2024	12:01		4/24/2024	9:50 AM	<156	faint, fresh
	MS-04	4/23/2024	13:38		4/24/2024	13:57 PM	770	putrid, garbage, acetone, naturally unpleasent
	MS-05	4/23/2024	12:48		4/24/2024	12:14 PM	526	sweet, fruit
	Working/Active	4/23/2024	12:31	Rancid, rotten, dirt @34.428344N; 118.650976W	4/24/2024	9:15 AM	1768	sweet
	Reaction	4/23/2024	13:19	Strong leachate, sampled from top of mountain/hill, heavy machinery operating nearby @34.435530N; 118.650055W	4/24/2024	1:19 PM	5613	sweet, fruity, toast, cinnamon, acetone
Off-Site	MS-06	4/23/2024	11:51		4/24/2024	12:31 PM	1166	salty, sweet
	MS-07	4/23/2024	9:40		4/24/2024	10:28 AM	2807	sulfur, solvent, chemical
	MS-08	4/23/2024	10:17		4/24/2024	9:00 AM	1403	none
	MS-09	4/23/2024	10:30	Sweet, vanilla	4/24/2024	10:46 AM	1051	salty, savory, petroleum
	MS-10	4/23/2024	10:49	Hints of leachate	4/24/2024	11:35 AM	884	none
	MS-11	4/23/2024	9:12		4/24/2024	11:16 AM	1575	sweet, garbage, putrid
	MS-12	4/23/2024	10:08		4/24/2024	9:30 AM	2973	stale, musty
	SCV	4/23/2024	10:39	Pasteries, baked bread	4/24/2024	13:02 PM	2333	meat, sweet, harvest
	Chiquito	4/23/2024	9:52		4/24/2024	13:40 PM	2103	salty, sweet, fresh air
	S End Lincoln	4/23/2024	10:00		4/24/2024	10:05 AM	2103	bland

Odor Samples April 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	4/30/2024	14:42	Grassy, leachate (gust)	5/1/2024	12:50 PM	7071	sewage, feces, strong
	MS-02	4/30/2024	13:54		5/1/2024	12:30 PM	2500	
	MS-03	4/30/2024	13:42		5/1/2024	1:40 PM	2806	compost, trash
	MS-04	4/30/2024	15:01		5/1/2024	1:10 PM	7071	landfill, compost, vegetation
	MS-05	4/30/2024	14:27		5/1/2024	10:35 AM	<312	
	Working/Active	4/30/2024	14:10	Rotten, spices @34.429381N; 118.648942W	5/1/2024	1:25 PM	4204	
	Reaction	4/30/2024	15:21	Leachate (strong, but less than last week), no work being done in area. @34.435703N; 118.650000W	5/1/2024	12:00 PM	3535	compost, garbage, sour milk
Off-Site	MS-06	4/30/2024	13:30	Chocolate/coffee	5/1/2024	10:15 AM	BDL <312	
	MS-07	4/30/2024	11:00		5/1/2024	9:45 AM	2332	naturally offensive
	MS-08	4/30/2024	11:34	Grassy	5/1/2024	10:00 AM	3535	crackers, salty,
	MS-09	4/30/2024	11:58		5/1/2024	11:40 AM	5612	
	MS-10	4/30/2024	12:12		5/1/2024	12:15 PM	4061	landfill
	MS-11	4/30/2024	9:51		5/1/2024	9:30 AM	2102	
	MS-12	4/30/2024	10:20		5/1/2024	10:55 AM	900	
	SCV	4/30/2024	12:28	Wood (constant), leachate (Breeze)	5/1/2024	11:25 AM	4061	
	Chiquito	4/30/2024	10:48		5/1/2024	9:12 AM	2227	musty
	S End Lincoln	4/30/2024	10:33	Odor bag had hole, which was taped immediately. Smelled sweet	5/1/2024	9:00 AM	1250	stale

ATTACHMENT C

WEEKLY 24-HR SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240699
REPORT DATE : 04/03/2024

On April 2, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240699-56126	631.5
MS-12	240699-56127	667.0
MS-08	240699-56128	669.5
MS-09	240699-56129	695.0
MS-10	240699-56130	647.5
MS-06	240699-56131	683.5
MS-11	240699-56132	59.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. Sample "MS-11" (56132) was received with low sample volume. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 14 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56126				240699-56127				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.61				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Methanol	<SRL	U	1	8.03	<SRL	U	1	7.62	5.00
1,3-Butadiene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	3.21	<SRL	U	1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Acetone	<SRL	U	1	3.21	<SRL	U	1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.21	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.21	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56126				240699-56127				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.61				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.61	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.80	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL)	MS-09			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240699-56128				240699-56129				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.53				1.46				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.66	<SRL	U	1	7.31	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	3.06	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	3.06	4.54		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56128				240699-56129				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.53				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56130				240699-56131				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.57				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.85	<SRL	U	1	7.43	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.14	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	3.14	<SRL	U	1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.14	<SRL	U	1	2.97	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.14	<SRL	U	1	2.97	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56130				240699-56131				
Date Sampled	04/01/2024				04/01/2024				
Date Analyzed	04/02/2024				04/02/2024				
Can Dilution Factor	1.57				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.57	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		93%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56132				
Date Sampled	04/01/2024				
Date Analyzed	04/02/2024				
Can Dilution Factor	17.06				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	8.53	0.50
Propene	<SRL	U	1	17.1	1.00
Dichlorodifluoromethane	<SRL	U	1	8.53	0.50
Chloromethane	<SRL	U	1	8.53	0.50
Dichlorotetrafluoroethane	<SRL	U	1	8.53	0.50
Vinyl Chloride	<SRL	U	1	8.53	0.50
Methanol	<SRL	U	1	85.3	5.00
1,3-Butadiene	<SRL	U	1	8.53	0.50
Bromomethane	<SRL	U	1	8.53	0.50
Chloroethane	<SRL	U	1	8.53	0.50
Dichlorofluoromethane	<SRL	U	1	8.53	0.50
Ethanol	<SRL	U	1	34.1	2.00
Vinyl Bromide	<SRL	U	1	8.53	0.50
Acetone	<SRL	U	1	34.1	2.00
Trichlorofluoromethane	<SRL	U	1	8.53	0.50
2-Propanol (IPA)	<SRL	U	1	34.1	2.00
Acrylonitrile	<SRL	U	1	8.53	0.50
1,1-Dichloroethene	<SRL	U	1	8.53	0.50
Methylene Chloride (DCM)	<SRL	U	1	17.1	1.00
Allyl Chloride	<SRL	U	1	17.1	1.00
Carbon Disulfide	<SRL	U	1	34.1	2.00
Trichlorotrifluoroethane	<SRL	U	1	8.53	0.50
trans-1,2-Dichloroethene	<SRL	U	1	8.53	0.50
1,1-Dichloroethane	<SRL	U	1	8.53	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	8.53	0.50
Vinyl Acetate	<SRL	U	1	8.53	0.50
2-Butanone (MEK)	<SRL	U	1	17.1	1.00
cis-1,2-Dichloroethene	<SRL	U	1	8.53	0.50
Hexane	<SRL	U	1	8.53	0.50
Chloroform	<SRL	U	1	8.53	0.50
Ethyl Acetate	<SRL	U	1	8.53	0.50
Tetrahydrofuran	<SRL	U	1	8.53	0.50
1,2-Dichloroethane	<SRL	U	1	8.53	0.50
1,1,1-Trichloroethane	<SRL	U	1	8.53	0.50
Benzene	<SRL	U	1	8.53	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/02/2024
DATE REPORTED : 04/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240699-56132				
Date Sampled	04/01/2024				
Date Analyzed	04/02/2024				
Can Dilution Factor	17.06				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	8.53	0.50
Cyclohexane	<SRL	U	1	8.53	0.50
1,2-Dichloropropane	<SRL	U	1	8.53	0.50
Bromodichloromethane	<SRL	U	1	8.53	0.50
1,4-Dioxane	<SRL	U	1	17.1	1.00
Trichloroethene (TCE)	<SRL	U	1	8.53	0.50
2,2,4-Trimethylpentane	<SRL	U	1	8.53	0.50
Heptane	<SRL	U	1	8.53	0.50
cis-1,3-Dichloropropene	<SRL	U	1	8.53	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	8.53	0.50
trans-1,3-Dichloropropene	<SRL	U	1	8.53	0.50
1,1,2-Trichloroethane	<SRL	U	1	8.53	0.50
Toluene	<SRL	U	1	8.53	0.50
2-Hexanone (MBK)	<SRL	U	1	17.1	1.00
Dibromochloromethane	<SRL	U	1	8.53	0.50
1,2-Dibromoethane	<SRL	U	1	8.53	0.50
Tetrachloroethene (PCE)	<SRL	U	1	8.53	0.50
Chlorobenzene	<SRL	U	1	8.53	0.50
Ethylbenzene	<SRL	U	1	8.53	0.50
m & p-Xylene	<SRL	U	1	17.1	1.00
Bromoform	<SRL	U	1	8.53	0.50
Styrene	<SRL	U	1	8.53	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	8.53	0.50
o-Xylene	<SRL	U	1	8.53	0.50
4-Ethyltoluene	<SRL	U	1	8.53	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	8.53	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	8.53	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	8.53	0.50
1,3-Dichlorobenzene	<SRL	U	1	8.53	0.50
1,4-Dichlorobenzene	<SRL	U	1	8.53	0.50
1,2-Dichlorobenzene	<SRL	U	1	8.53	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	8.53	0.50
Hexachlorobutadiene	<SRL	U	1	8.53	0.50
BFB-Surrogate Std. % Recovery		91%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.15	97
Chlorodifluoromethane	10.30	11.15	108
Propene	10.70	11.87	111
Dichlorodifluoromethane	10.40	11.66	112
Dimethyl Ether	10.20	10.76	105
Chloromethane	10.50	10.26	98
Dichlorotetrafluoroethane	10.20	10.76	105
Vinyl Chloride	10.60	11.09	105
Acetaldehyde	21.00	23.36	111
Methanol	19.00	20.29	107
1,3-Butadiene	10.70	11.93	111
Bromomethane	10.40	11.07	106
Chloroethane	10.40	9.62	93
Dichlorofluoromethane	10.20	10.51	103
Ethanol	11.40	11.42	100
Vinyl Bromide	10.10	10.88	108
Acrolein	10.90	11.76	108
Acetone	10.60	10.08	95
Trichlorofluoromethane	10.50	11.01	105
2-Propanol (IPA)	11.00	11.63	106
Acrylonitrile	11.00	12.16	111
1,1-Dichloroethene	10.50	10.98	105
Methylene Chloride (DCM)	10.40	10.09	97
TertButanol (TBA)	11.10	12.51	113
Allyl Chloride	10.20	10.00	98
Carbon Disulfide	10.50	11.97	114
Trichlorotrifluoroethane	10.30	10.68	104
trans-1,2-Dichloroethene	10.80	10.92	101
1,1-Dichloroethane	10.70	10.78	101
Methyl Tert Butyl Ether (MTBE)	10.70	11.23	105
Vinyl Acetate	11.00	11.79	107
2-Butanone (MEK)	10.70	10.82	101
cis-1,2-Dichloroethene	10.70	10.81	101
Hexane	10.80	10.76	100
Chloroform	10.70	10.69	100
Ethyl Acetate	10.70	11.14	104
Tetrahydrofuran	10.40	9.87	95
1,2-Dichloroethane	10.60	10.68	101
1,1,1-Trichloroethane	10.50	10.88	104
Benzene	10.70	10.45	98
Carbon Tetrachloride	10.30	10.51	102
Cyclohexane	10.50	10.28	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.75	100
Bromodichloromethane	10.50	10.61	101
1,4-Dioxane	10.50	10.11	96
Trichloroethene (TCE)	10.50	10.50	100
2,2,4-Trimethylpentane	10.10	10.15	100
Methyl Methacrylate	11.00	11.39	104
Heptane	10.50	10.48	100
cis-1,3-Dichloropropene	10.50	10.65	101
4-Methyl-2-pentanone (MiBK)	10.50	10.45	100
trans-1,3-Dichloropropene	10.60	10.71	101
1,1,2-Trichloroethane	10.60	10.08	95
Toluene	10.80	10.28	95
2-Hexanone (MBK)	10.50	11.24	107
Dibromochloromethane	10.60	10.58	100
1,2-Dibromoethane	10.60	10.54	99
Tetrachloroethene (PCE)	10.50	9.90	94
Chlorobenzene	10.80	10.30	95
Ethylbenzene	10.60	10.44	98
m & p-Xylene	21.20	19.64	93
Bromoform	10.60	10.66	101
Styrene	10.60	10.87	103
1,1,2,2-Tetrachloroethane	10.60	10.20	96
o-Xylene	10.60	10.35	98
1,2,3-Trichloropropane	11.00	11.14	101
Isopropylbenzene (Cumene)	10.40	10.12	97
α-Pinene	10.80	10.14	94
2-Chlorotoluene	10.30	10.31	100
n-Propylbenzene	10.10	9.81	97
4-Ethyltoluene	10.40	9.89	95
1,3,5-Trimethylbenzene	10.30	9.84	96
β-Pinene	10.90	10.72	98
1,2,4-Trimethylbenzene	10.30	9.82	95
Benzyl Chloride (a-Chlorotoluene)	10.30	10.22	99
1,3-Dichlorobenzene	10.30	9.97	97
1,4-Dichlorobenzene	10.20	9.91	97
Sec-ButylBenzene	10.10	9.83	97
1,2-Dichlorobenzene	10.40	10.01	96
n-ButylBenzene	10.30	10.06	98
1,2-Dibromo-3-Chloropropane	10.30	9.91	96
1,2,4-Trichlorobenzene	10.50	10.98	105
Naphthalene	10.90	12.05	111
Hexachlorobutadiene	10.80	9.86	91

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.15	9.68	97	103	5.6
1,1-Dichloroethene	0.0	10.50	10.98	10.11	105	96	8.3
Methylene Chloride (DCM)	0.0	10.40	10.09	10.02	97	96	0.7
Benzene	0.0	10.70	10.45	10.33	98	97	1.2
Trichloroethene (TCE)	0.0	10.50	10.50	10.51	100	100	0.1
Toluene	0.0	10.80	10.28	10.10	95	94	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.90	10.01	94	95	1.1
Chlorobenzene	0.0	10.80	10.30	10.17	95	94	1.3
Ethylbenzene	0.0	10.60	10.44	10.20	98	96	2.3
m & p-Xylene	0.0	21.20	19.64	19.27	93	91	1.9
o-Xylene	0.0	10.60	10.35	10.27	98	97	0.8

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/02/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 040224*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 040224*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/02/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x11325.63

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240661-55969

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.83	9.14	3.5
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	112000	114000	1.4
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY RECORD 240699

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
EDGAR GUZMAN	Ed

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C-7-91 SUMMA	TO-15 FULL LIST	ENDPRESSURE	Remarks Canister/controller
MS-07	4-1/2-24	0656-0703	56126	6L SUMMA CANISTER	X	X	X	-8HG 001862/19510
MS-12	4-1/2-24	0704-0715	56127	6L SUMMA CANISTER	X	X	X	-2HG 001982/19511
MS-08	4-1/2-24	0709-0722	56128	6L SUMMA CANISTER	X	X	X	-1HG 001993/000884
MS-09	4-1/2-24	0717-0731	56129	6L SUMMA CANISTER	X	X	X	-4HG 001867/03103
MS-10	4-1/2-24	0725-0743	56130	6L SUMMA CANISTER	X	X	X	-1HG 001992/19597
MS-06	4-1/2-24	0738-0814	56131	6L SUMMA CANISTER	X	X	X	-6HG 002002/03111
MS-11	4-1/2-24	0754-0832	56132	6L SUMMA CANISTER	X	X	X	-2HG 001978/19513

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/2/24	0953			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/2/24	0953
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7x cans + 2x coated Encocks

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 240699
REPORT DATE	: 04/05/2024

On April 2, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)
MS-07	240699-56126	631.5
MS-12	240699-56127	667.0
MS-08	240699-56128	669.5
MS-09	240699-56129	695.0
MS-10	240699-56130	647.5
MS-06	240699-56131	683.5
MS-11	240699-56132	59.5

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. Per client request, sample "MS-11" (240699-56132) was analyzed despite low return pressure and high canister dilution factor. No other 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 5 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/01-02/2024
RECEIVING DATE : 04/02/2024
ANALYSIS DATE : 04/04/2024
REPORT DATE : 04/05/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240699-56126	240699-56127	240699-56128	240699-56129
Canister Dil. Fac.	1.6	1.5	1.5	1.5
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.022**	**0.014**	**0.011**	**0.016**
COS / SO2	< 0.008	< 0.008	< 0.008	< 0.007
Methyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
Ethyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
Dimethyl Sulfide	< 0.008	< 0.008	< 0.008	< 0.007
Carbon Disulfide	< 0.008	< 0.008	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
Methylethylsulfide	< 0.008	< 0.008	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
Diethyl Sulfide	< 0.008	< 0.008	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.007
Dimethyl Disulfide	< 0.008	< 0.008	< 0.008	< 0.007
2-Methylthiophene	< 0.008	< 0.008	< 0.008	< 0.007
3-Methylthiophene	< 0.008	< 0.008	< 0.008	< 0.007
Tetrahydrothiophene	< 0.008	< 0.008	< 0.008	< 0.007
Bromothiophene	< 0.008	< 0.008	< 0.008	< 0.007
Thiophenol	< 0.008	< 0.008	< 0.008	< 0.007
Diethyl Disulfide	< 0.008	< 0.008	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.008	< 0.008	< 0.007
Total Reduced Sulfurs	**0.022**	**0.014**	**0.011**	**0.016**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/01-02/2024
RECEIVING DATE : 04/02/2024
ANALYSIS DATE : 04/04/2024
REPORT DATE : 04/05/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240699-56130	240699-56131	240699-56132
Canister Dil. Fac.	1.6	1.5	17.1
Analyte	Result	Result	Result
Hydrogen Sulfide	**0.009**	< 0.007	< 0.085
COS / SO2	< 0.008	< 0.007	< 0.085
Methyl Mercaptan	< 0.008	< 0.007	< 0.085
Ethyl Mercaptan	< 0.008	< 0.007	< 0.085
Dimethyl Sulfide	< 0.008	< 0.007	< 0.085
Carbon Disulfide	< 0.008	< 0.007	< 0.085
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.085
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.085
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.085
Methylethylsulfide	< 0.008	< 0.007	< 0.085
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.085
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.085
Diethyl Sulfide	< 0.008	< 0.007	< 0.085
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.085
Dimethyl Disulfide	< 0.008	< 0.007	< 0.085
2-Methylthiophene	< 0.008	< 0.007	< 0.085
3-Methylthiophene	< 0.008	< 0.007	< 0.085
Tetrahydrothiophene	< 0.008	< 0.007	< 0.085
Bromothiophene	< 0.008	< 0.007	< 0.085
Thiophenol	< 0.008	< 0.007	< 0.085
Diethyl Disulfide	< 0.008	< 0.007	< 0.085
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.085
Total Reduced Sulfurs	**0.009**	< 0.007	< 0.085

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

**Sample "MS-11" (240699-56132) was returned at low pressure resulting in high canister dilution factor

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/4/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11458	0.531	104.0	3.8
Duplicate	10537	0.489	95.6	4.6
Triplicate	11133	0.516	101.0	0.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9582	0.517	103.0	2.6
Duplicate	8889	0.480	95.5	4.9
Triplicate	9555	0.515	102.7	2.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12545	0.521	104.7	2.8
Duplicate	11623	0.482	97.0	4.7
Triplicate	12435	0.516	103.8	1.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.263	108.0	102.9	4.8
MeSH	<PQL	0.251	0.268	0.270	106.8	107.6	0.7
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.538	105.3
MeSH	0.502	0.534	106.4
DMS	0.497	0.543	109.3

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240699

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C7-91 SUMMA	TO-15 FULL LIST	PRESSURE	Remarks Canister/controller
MS-07	4-1/2-24	0656-0703	56126	6L SUMMA CANISTER	X	X		-8HG 001862/19510
MS-12	4-1/2-24	0704-0715	56127	6L SUMMA CANISTER	X	X		-2HG 001982/19511
MS-08	4-1/2-24	0709-0722	56128	6L SUMMA CANISTER	X	X		-1HG 001993/000884
MS-09	4-1/2-24	0717-0731	56129	6L SUMMA CANISTER	X	X		-4HG 001867/03103
MS-10	4-1/2-24	0725-0743	56130	6L SUMMA CANISTER	X	X		-11HG 001992/19597
MS-06	4-1/2-24	0738-0814	56131	6L SUMMA CANISTER	X	X		-16HG 002002/03111
MS-11	4-1/2-24	0754-0832	56132	6L SUMMA CANISTER	X	X		-2HG 001978/19513

	Date	Time		Date	Time
Relinquished by: (Signature) ED GUZMAN	4/2/24	0953	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/2/24	0953
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7x can + 7x coated Encochs

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240742
REPORT DATE : 04/05/2024

On April 3, 2024, Atmospheric Analysis & Consulting, Inc. received six (6) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240742-56243	662.5
MS-08	240742-56244	608.0
MS-09	240742-56245	61.5
MS-06	240742-56246	533.5
MS-11	240742-56247	616.5
MS-10	240742-56248	752.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. Sample "MS-09" (56245) was received with low sample volume. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 13 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240742-56243				240742-56244				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.54				1.67				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Methanol	<SRL	U	1	7.72	<SRL	U	1	8.35	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Ethanol	4.34		1	3.09	<SRL	U	1	3.34	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Acetone	3.79		1	3.09	<SRL	U	1	3.34	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
2-Propanol (IPA)	<SRL	U	1	3.09	<SRL	U	1	3.34	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Carbon Disulfide	<SRL	U	1	3.09	<SRL	U	1	3.34	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240742-56243				240742-56244				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.54				1.67				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.67	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.83	0.50
BFB-Surrogate Std. % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240742-56245				240742-56246				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	16.59				1.91				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Propene	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Dichlorodifluoromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Chloromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Dichlorotetrafluoroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Vinyl Chloride	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Methanol	<SRL	U	1	83.0	<SRL	U	1	9.54	5.00
1,3-Butadiene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Bromomethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Chloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Dichlorofluoromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Ethanol	<SRL	U	1	33.2	<SRL	U	1	3.81	2.00
Vinyl Bromide	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Acetone	38.8		1	33.2	4.58		1	3.81	2.00
Trichlorofluoromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
2-Propanol (IPA)	<SRL	U	1	33.2	<SRL	U	1	3.81	2.00
Acrylonitrile	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,1-Dichloroethene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Methylene Chloride (DCM)	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Allyl Chloride	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Carbon Disulfide	<SRL	U	1	33.2	<SRL	U	1	3.81	2.00
Trichlorotrifluoroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
trans-1,2-Dichloroethene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,1-Dichloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Vinyl Acetate	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
2-Butanone (MEK)	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
cis-1,2-Dichloroethene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Hexane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Chloroform	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Ethyl Acetate	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Tetrahydrofuran	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2-Dichloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,1,1-Trichloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Benzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240742-56245				240742-56246				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	16.59				1.91				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Cyclohexane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2-Dichloropropane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Bromodichloromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,4-Dioxane	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Trichloroethene (TCE)	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
2,2,4-Trimethylpentane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Heptane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
cis-1,3-Dichloropropene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
trans-1,3-Dichloropropene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,1,2-Trichloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Toluene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
2-Hexanone (MBK)	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Dibromochloromethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2-Dibromoethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Tetrachloroethene (PCE)	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Chlorobenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Ethylbenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
m & p-Xylene	<SRL	U	1	16.6	<SRL	U	1	1.91	1.00
Bromoform	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Styrene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
o-Xylene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
4-Ethyltoluene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,3-Dichlorobenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,4-Dichlorobenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2-Dichlorobenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
Hexachlorobutadiene	<SRL	U	1	8.30	<SRL	U	1	0.95	0.50
BFB-Surrogate Std. % Recovery		91%				87%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240742-56247				240742-56248				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.65				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Dichlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methanol	<SRL	U	1	8.24	<SRL	U	1	6.80	5.00
1,3-Butadiene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethanol	<SRL	U	1	3.29	<SRL	U	1	2.72	2.00
Vinyl Bromide	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Acetone	5.55		1	3.29	3.22		1	2.72	2.00
Trichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	3.29	<SRL	U	1	2.72	2.00
Acrylonitrile	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Allyl Chloride	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Carbon Disulfide	<SRL	U	1	3.29	<SRL	U	1	2.72	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240742
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/03/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-10			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240742-56247				240742-56248				
Date Sampled	04/02/2024				04/02/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.65				1.36				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Trichloroethene (TCE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Dibromochloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.65	<SRL	U	1	1.36	1.00
Bromoform	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.08	97
Chlorodifluoromethane	10.30	11.21	109
Propene	10.70	10.97	103
Dichlorodifluoromethane	10.40	11.18	108
Dimethyl Ether	10.20	10.12	99
Chloromethane	10.50	10.33	98
Dichlorotetrafluoroethane	10.20	10.28	101
Vinyl Chloride	10.60	10.60	100
Acetaldehyde	21.00	23.38	111
Methanol	19.00	21.05	111
1,3-Butadiene	10.70	11.33	106
Bromomethane	10.40	10.70	103
Chloroethane	10.40	9.82	94
Dichlorofluoromethane	10.20	10.24	100
Ethanol	11.40	11.83	104
Vinyl Bromide	10.10	10.49	104
Acrolein	10.90	11.41	105
Acetone	10.60	9.79	92
Trichlorofluoromethane	10.50	11.02	105
2-Propanol (IPA)	11.00	11.64	106
Acrylonitrile	11.00	11.43	104
1,1-Dichloroethene	10.50	10.09	96
Methylene Chloride (DCM)	10.40	9.85	95
TertButanol (TBA)	11.10	12.59	113
Allyl Chloride	10.20	9.75	96
Carbon Disulfide	10.50	10.92	104
Trichlorotrifluoroethane	10.30	10.26	100
trans-1,2-Dichloroethene	10.80	10.63	98
1,1-Dichloroethane	10.70	10.50	98
Methyl Tert Butyl Ether (MTBE)	10.70	11.00	103
Vinyl Acetate	11.00	11.93	108
2-Butanone (MEK)	10.70	10.49	98
cis-1,2-Dichloroethene	10.70	10.39	97
Hexane	10.80	10.41	96
Chloroform	10.70	10.31	96
Ethyl Acetate	10.70	11.10	104
Tetrahydrofuran	10.40	10.18	98
1,2-Dichloroethane	10.60	10.67	101
1,1,1-Trichloroethane	10.50	10.73	102
Benzene	10.70	10.44	98
Carbon Tetrachloride	10.30	10.81	105
Cyclohexane	10.50	10.28	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.68	100
Bromodichloromethane	10.50	10.80	103
1,4-Dioxane	10.50	10.06	96
Trichloroethene (TCE)	10.50	10.40	99
2,2,4-Trimethylpentane	10.10	10.31	102
Methyl Methacrylate	11.00	11.44	104
Heptane	10.50	10.15	97
cis-1,3-Dichloropropene	10.50	10.72	102
4-Methyl-2-pentanone (MiBK)	10.50	10.55	100
trans-1,3-Dichloropropene	10.60	10.68	101
1,1,2-Trichloroethane	10.60	10.02	95
Toluene	10.80	10.31	95
2-Hexanone (MBK)	10.50	11.21	107
Dibromochloromethane	10.60	10.77	102
1,2-Dibromoethane	10.60	10.39	98
Tetrachloroethene (PCE)	10.50	10.04	96
Chlorobenzene	10.80	10.21	95
Ethylbenzene	10.60	10.20	96
m & p-Xylene	21.20	19.32	91
Bromoform	10.60	10.50	99
Styrene	10.60	10.58	100
1,1,2,2-Tetrachloroethane	10.60	9.93	94
o-Xylene	10.60	10.08	95
1,2,3-Trichloropropane	11.00	10.49	95
Isopropylbenzene (Cumene)	10.40	9.82	94
α-Pinene	10.80	9.80	91
2-Chlorotoluene	10.30	9.97	97
n-Propylbenzene	10.10	9.44	93
4-Ethyltoluene	10.40	9.60	92
1,3,5-Trimethylbenzene	10.30	9.41	91
β-Pinene	10.90	9.47	87
1,2,4-Trimethylbenzene	10.30	9.55	93
Benzyl Chloride (a-Chlorotoluene)	10.30	10.11	98
1,3-Dichlorobenzene	10.30	9.92	96
1,4-Dichlorobenzene	10.20	9.80	96
Sec-ButylBenzene	10.10	9.36	93
1,2-Dichlorobenzene	10.40	9.62	93
n-ButylBenzene	10.30	9.96	97
1,2-Dibromo-3-Chloropropane	10.30	10.03	97
1,2,4-Trichlorobenzene	10.50	10.96	104
Naphthalene	10.90	11.91	109
Hexachlorobutadiene	10.80	9.97	92

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.08	9.30	97	99	2.4
1,1-Dichloroethene	0.0	10.50	10.09	9.93	96	95	1.6
Methylene Chloride (DCM)	0.0	10.40	9.85	9.69	95	93	1.6
Benzene	0.0	10.70	10.44	10.14	98	95	2.9
Trichloroethene (TCE)	0.0	10.50	10.40	10.30	99	98	1.0
Toluene	0.0	10.80	10.31	9.82	95	91	4.9
Tetrachloroethene (PCE)	0.0	10.50	10.04	9.77	96	93	2.7
Chlorobenzene	0.0	10.80	10.21	9.94	95	92	2.7
Ethylbenzene	0.0	10.60	10.20	10.10	96	95	1.0
m & p-Xylene	0.0	21.20	19.32	18.99	91	90	1.7
o-Xylene	0.0	10.60	10.08	9.98	95	94	1.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 040424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 040424*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x5.64

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240691-56078

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.80	8.85	0.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	47.1	46.1	2.1
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	39.6	38.4	3.0
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	6.60	6.60	0.0
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	12.4	12.4	0.0
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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240742

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 5	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15	End Pressure	Remarks Canister/controller
MS-07	4-2/3-24	0703-0715	56243	6L SUMMA CANISTER	X	-4 IHG	001929/000883
MS-08	4-2/3-24	0722-0740	56244	6L SUMMA CANISTER	X	-8 IHG	001979/000805
MS-09	4-2/3-24	0731-0750	56245	6L SUMMA CANISTER	X	-11 IHG	002013/000966
MS-06	4-2/3-24	0814-0821	56246	6L SUMMA CANISTER	X	-10 IHG	002028/05259
MS-11	4-2/3-24	0832-0839	56247	6L SUMMA CANISTER	X	-8 IHG	002077/19596

	Date	Time		Date	Time
Relinquished by: (Signature)	4/3/24	1008	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/5/24	1009
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

7x cans (1x void) + 7x coated fittings

240742

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
SCS ENGINEERS / CIUDAD CANYON LANDFILL AIR ORDER SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) R.D. Green	**(Signature)** Ed
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7-91 Summa	TO-15 Full List	EMD Pressure	Remarks Canister/controller
~~MS-12~~	~~4-2/3-24~~	~~0715-0731~~	~~DON'T ANALYZE~~	~~6L SUMMA CANISTER~~	X	X		~~25HG 002035/000878~~
MS-10	4-2/3-24	0743-0801	56248	6L SUMMA CANISTER	X	X		4HG 001806/03306

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/3/24	1008			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/3/24	1009
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	240742
REPORT DATE	:	04/08/2024

On April 3rd, 2024, Atmospheric Analysis & Consulting, Inc. received one (1) Six-Liter Silonite Canister for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the sample was assigned a unique Laboratory ID number as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-10	240742-56248	752.0

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. No problems were encountered during receiving, preparation, and/or analysis of this sample. 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 5 pages.

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LABORATORY ANALYSIS REPORT

CLIENT :	**SCS Engineers**	**SAMPLING DATE :**	**04/02-03/2024**
PROJECT NO. :	**240742**	**RECEIVING DATE :**	**04/03/2024**
MATRIX :	**AIR**	**ANALYSIS DATE :**	**04/05/2024**
UNITS :	**ppmv**	**REPORT DATE :**	**04/08/2024**

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	**MS-10**
AAC ID	**240742-56248**
Canister Dil. Fac.	**1.36**
Analyte	**Result**
Hydrogen Sulfide	**0.011**
COS / SO2	< 0.007
Methyl Mercaptan	< 0.007
Ethyl Mercaptan	< 0.007
Dimethyl Sulfide	< 0.007
Carbon Disulfide	< 0.007
Isopropyl Mercaptan	< 0.007
tert-Butyl Mercaptan	< 0.007
n-Propyl Mercaptan	< 0.007
Methylethylsulfide	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007
iso-Butyl Mercaptan	< 0.007
Diethyl Sulfide	< 0.007
n-Butyl Mercaptan	< 0.007
Dimethyl Disulfide	< 0.007
2-Methylthiophene	< 0.007
3-Methylthiophene	< 0.007
Tetrahydrothiophene	< 0.007
Bromothiophene	< 0.007
Thiophenol	< 0.007
Diethyl Disulfide	< 0.007
Total Unidentified Sulfur	< 0.007
Total Reduced Sulfurs	**0.011**

All unidentified compound's concentrations expressed in terms of H_2S

Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
ASTM D-5504

Date Analyzed: 4/5/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11135	0.516	101.0	1.7
Duplicate	10549	0.489	95.7	3.6
Triplicate	11147	0.517	101.1	1.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9158	0.494	98.4	0.4
Duplicate	8884	0.479	95.5	2.6
Triplicate	9314	0.502	100.1	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12264	0.509	102.4	1.1
Duplicate	11732	0.487	98.0	3.3
Triplicate	12412	0.515	103.6	2.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.272	0.259	106.5	101.4	4.9
MeSH	<PQL	0.251	0.265	0.257	105.6	102.4	3.1
DMS	<PQL	0.249	0.273	0.267	109.9	107.4	2.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.539	105.5
MeSH	0.502	0.535	106.6
DMS	0.497	0.528	106.2

**** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.***

PQL 50.0 ppbV
MDL 1.1 ppbV

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CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed	**No. Of Containers** 5

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15	End Pressure	Remarks Canister/controller
MS-07	4-2/3-24	0703-0715	56243	6L SUMMA CANISTER	X		-476 00192 / 00883
MS-08	4-2/3-24	0722-0740	56244	6L SUMMA CANISTER	X		-846 00197 / 00805
MS-09	4-2/3-24	0731-0750	56245	6L SUMMA CANISTER	X		-1146 00201 / 00866
MS-06	4-2/3-24	0814-0821	56246	6L SUMMA CANISTER	X		-1046 00202 / 05259
MS-11	4-2/3-24	0832-0839	56247	6L SUMMA CANISTER	X		-806 00207 / 19596

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	4/3/24	1008	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/7/24	1009
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

7L cans (1L used) + 7L coated Entechs

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
R.D. Green / Ed	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Z-g/Summa	TO-15 Full List			1/2 MD Pressure	Remarks Canister/controller
~~MS-12~~	~~4-2/3-24~~	~~0715-0731~~	~~Don't Analyze~~	~~6L Summa Canister~~	X	X			~~25Hg~~	~~00235/00082~~
MS-10	4-2/3-24	0743-0801	56248	6L Summa Canister	X	X			4Hg	01806/03306

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	4/3/24	1008	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/7/24	1009
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240748
REPORT DATE : 04/05/2024

On April 4, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240748-56268	575.5
MS-08	240748-56269	554.0
MS-09	240748-56270	486.0
MS-06	240748-56271	540.5
MS-11	240748-56272	505.5
MS-12	240748-56273	727.0
MS-10	240748-56274	678.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56268				240748-56269				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.76				1.83				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Propene	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Chloromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Vinyl Chloride	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Methanol	<SRL	U	1	8.82	<SRL	U	1	9.17	5.00
1,3-Butadiene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Bromomethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Chloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Ethanol	4.62		1	3.53	<SRL	U	1	3.67	2.00
Vinyl Bromide	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Acetone	4.59		1	3.53	3.67		1	3.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
2-Propanol (IPA)	<SRL	U	1	3.53	<SRL	U	1	3.67	2.00
Acrylonitrile	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Allyl Chloride	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Carbon Disulfide	<SRL	U	1	3.53	<SRL	U	1	3.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Vinyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
2-Butanone (MEK)	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Hexane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Chloroform	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Ethyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Tetrahydrofuran	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Benzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56268				240748-56269				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	1.76				1.83				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Cyclohexane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Bromodichloromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,4-Dioxane	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Heptane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Toluene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
2-Hexanone (MBK)	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Dibromochloromethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Chlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Ethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
m & p-Xylene	<SRL	U	1	1.76	<SRL	U	1	1.83	1.00
Bromoform	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Styrene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
o-Xylene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
4-Ethyltoluene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	<SRL	U	1	0.92	0.50
BFB-Surrogate Std. % Recovery		89%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56270				240748-56271				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	2.09				1.88				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Propene	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Dichlorodifluoromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Chloromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Vinyl Chloride	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Methanol	<SRL	U	1	10.5	<SRL	U	1	9.41	5.00
1,3-Butadiene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Bromomethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Chloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Dichlorofluoromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Ethanol	<SRL	U	1	4.18	4.48		1	3.76	2.00
Vinyl Bromide	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Acetone	6.73		1	4.18	<SRL	U	1	3.76	2.00
Trichlorofluoromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
2-Propanol (IPA)	<SRL	U	1	4.18	<SRL	U	1	3.76	2.00
Acrylonitrile	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,1-Dichloroethene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Allyl Chloride	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Carbon Disulfide	<SRL	U	1	4.18	<SRL	U	1	3.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,1-Dichloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Vinyl Acetate	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
2-Butanone (MEK)	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Hexane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Chloroform	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Ethyl Acetate	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Tetrahydrofuran	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2-Dichloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Benzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56270				240748-56271				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	2.09				1.88				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Cyclohexane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2-Dichloropropane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Bromodichloromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,4-Dioxane	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Trichloroethene (TCE)	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Heptane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Toluene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
2-Hexanone (MBK)	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Dibromochloromethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2-Dibromoethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Chlorobenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Ethylbenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
m & p-Xylene	<SRL	U	1	2.09	<SRL	U	1	1.88	1.00
Bromoform	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Styrene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
o-Xylene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
4-Ethyltoluene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
Hexachlorobutadiene	<SRL	U	1	1.05	<SRL	U	1	0.94	0.50
BFB-Surrogate Std. % Recovery		89%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56272				240748-56273				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	2.02				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	1.01	0.70		1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	10.1	<SRL	U	1	6.99	5.00
1,3-Butadiene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	4.04	3.02		1	2.80	2.00
Vinyl Bromide	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Acetone	6.37		1	4.04	3.97		1	2.80	2.00
Trichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	4.04	<SRL	U	1	2.80	2.00
Acrylonitrile	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	4.04	<SRL	U	1	2.80	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56272				240748-56273				
Date Sampled	04/03/2024				04/03/2024				
Date Analyzed	04/04/2024				04/04/2024				
Can Dilution Factor	2.02				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	2.02	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	1.01	<SRL	U	1	0.70	0.50
BFB-Surrogate Std, % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56274				
Date Sampled	04/03/2024				
Date Analyzed	04/04/2024				
Can Dilution Factor	1.50				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	7.48	5.00
1,3-Butadiene	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.75	0.50
Chloroethane	7.02		1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.75	0.50
Acetone	5.01		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	2.00
Acrylonitrile	6.65		1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240748
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/04/2024
DATE REPORTED : 04/05/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240748-56274				
Date Sampled	04/03/2024				
Date Analyzed	04/04/2024				
Can Dilution Factor	1.50				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		91%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.08	97
Chlorodifluoromethane	10.30	11.21	109
Propene	10.70	10.97	103
Dichlorodifluoromethane	10.40	11.18	108
Dimethyl Ether	10.20	10.12	99
Chloromethane	10.50	10.33	98
Dichlorotetrafluoroethane	10.20	10.28	101
Vinyl Chloride	10.60	10.60	100
Acetaldehyde	21.00	23.38	111
Methanol	19.00	21.05	111
1,3-Butadiene	10.70	11.33	106
Bromomethane	10.40	10.70	103
Chloroethane	10.40	9.82	94
Dichlorofluoromethane	10.20	10.24	100
Ethanol	11.40	11.83	104
Vinyl Bromide	10.10	10.49	104
Acrolein	10.90	11.41	105
Acetone	10.60	9.79	92
Trichlorofluoromethane	10.50	11.02	105
2-Propanol (IPA)	11.00	11.64	106
Acrylonitrile	11.00	11.43	104
1,1-Dichloroethene	10.50	10.09	96
Methylene Chloride (DCM)	10.40	9.85	95
TertButanol (TBA)	11.10	12.59	113
Allyl Chloride	10.20	9.75	96
Carbon Disulfide	10.50	10.92	104
Trichlorotrifluoroethane	10.30	10.26	100
trans-1,2-Dichloroethene	10.80	10.63	98
1,1-Dichloroethane	10.70	10.50	98
Methyl Tert Butyl Ether (MTBE)	10.70	11.00	103
Vinyl Acetate	11.00	11.93	108
2-Butanone (MEK)	10.70	10.49	98
cis-1,2-Dichloroethene	10.70	10.39	97
Hexane	10.80	10.41	96
Chloroform	10.70	10.31	96
Ethyl Acetate	10.70	11.10	104
Tetrahydrofuran	10.40	10.18	98
1,2-Dichloroethane	10.60	10.67	101
1,1,1-Trichloroethane	10.50	10.73	102
Benzene	10.70	10.44	98
Carbon Tetrachloride	10.30	10.81	105
Cyclohexane	10.50	10.28	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.68	100
Bromodichloromethane	10.50	10.80	103
1,4-Dioxane	10.50	10.06	96
Trichloroethene (TCE)	10.50	10.40	99
2,2,4-Trimethylpentane	10.10	10.31	102
Methyl Methacrylate	11.00	11.44	104
Heptane	10.50	10.15	97
cis-1,3-Dichloropropene	10.50	10.72	102
4-Methyl-2-pentanone (MiBK)	10.50	10.55	100
trans-1,3-Dichloropropene	10.60	10.68	101
1,1,2-Trichloroethane	10.60	10.02	95
Toluene	10.80	10.31	95
2-Hexanone (MBK)	10.50	11.21	107
Dibromochloromethane	10.60	10.77	102
1,2-Dibromoethane	10.60	10.39	98
Tetrachloroethene (PCE)	10.50	10.04	96
Chlorobenzene	10.80	10.21	95
Ethylbenzene	10.60	10.20	96
m & p-Xylene	21.20	19.32	91
Bromoform	10.60	10.50	99
Styrene	10.60	10.58	100
1,1,2,2-Tetrachloroethane	10.60	9.93	94
o-Xylene	10.60	10.08	95
1,2,3-Trichloropropane	11.00	10.49	95
Isopropylbenzene (Cumene)	10.40	9.82	94
α-Pinene	10.80	9.80	91
2-Chlorotoluene	10.30	9.97	97
n-Propylbenzene	10.10	9.44	93
4-Ethyltoluene	10.40	9.60	92
1,3,5-Trimethylbenzene	10.30	9.41	91
β-Pinene	10.90	9.47	87
1,2,4-Trimethylbenzene	10.30	9.55	93
Benzyl Chloride (a-Chlorotoluene)	10.30	10.11	98
1,3-Dichlorobenzene	10.30	9.92	96
1,4-Dichlorobenzene	10.20	9.80	96
Sec-ButylBenzene	10.10	9.36	93
1,2-Dichlorobenzene	10.40	9.62	93
n-ButylBenzene	10.30	9.96	97
1,2-Dibromo-3-Chloropropane	10.30	10.03	97
1,2,4-Trichlorobenzene	10.50	10.96	104
Naphthalene	10.90	11.91	109
Hexachlorobutadiene	10.80	9.97	92

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.08	9.30	97	99	2.4
1,1-Dichloroethene	0.0	10.50	10.09	9.93	96	95	1.6
Methylene Chloride (DCM)	0.0	10.40	9.85	9.69	95	93	1.6
Benzene	0.0	10.70	10.44	10.14	98	95	2.9
Trichloroethene (TCE)	0.0	10.50	10.40	10.30	99	98	1.0
Toluene	0.0	10.80	10.31	9.82	95	91	4.9
Tetrachloroethene (PCE)	0.0	10.50	10.04	9.77	96	93	2.7
Chlorobenzene	0.0	10.80	10.21	9.94	95	92	2.7
Ethylbenzene	0.0	10.60	10.20	10.10	96	95	1.0
m & p-Xylene	0.0	21.20	19.32	18.99	91	90	1.7
o-Xylene	0.0	10.60	10.08	9.98	95	94	1.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 040424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 040424*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/04/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x5.64

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240691-56078

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.80	8.85	0.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	47.1	46.1	2.1
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	39.6	38.4	3.0
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	6.60	6.60	0.0
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	12.4	12.4	0.0
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY RECORD 24074 8 on 4/4/24

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	JALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List	End Pressure	Remarks Canister / Controller
MS-07	4-3/4-24	0715-0718	56268	6L SUMMA CANISTER	X		-8 HG 002078 / 03528
MS-08	4-3/4-24	0740-0740	56269	6L SUMMA CANISTER	X		-8 HG 001983 / FC 76
MS-09	4-3/4-24	0750-0753	56270	6L SUMMA CANISTER	X		-13 HG 002069 / 03304
MS-06	4-3/4-24	0821-0823	56271	6L SUMMA CANISTER	X		-1 HG 001937 / 03527
MS-11	4-3/4-24	0839-0842	56272	6L SUMMA CANISTER	X		-11 HG 001850 / 19506

	Date	Time		Date	Time
Relinquished by: (Signature)	4/4/24	1004	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/4/24	1004
Sample Disposal Method:			**Disposed of by: (Signature)**	4	

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7x cans + 7x cooled Entechs

CHAIN OF CUSTODY RECORD 240747 8 on 4/4/24

Client/Project Name	Project Location
SCS ENGINEERS/ CITIQUITA CANYON LANDFILL AIR/ORDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) E.J. GUZMAN	**(Signature)**
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7 Solids	TO-15 Full List			End Pressure	Remarks Canister/Controller
MS-12	4-3/4-24	0731-0731	5623	6L SUMMA CANISTER	X	X			-4 HG	002039/17588
MS-10	4-3/4-24	0801-0801	5624	6L SUMMA CANISTER	X	X			-5 HG	001921/02956

	Date	Time		Date	Time
Relinquished by: (Signature) E.J.	4/4/24	1004	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/4/24	1004
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	240748
REPORT DATE	:	04/09/2024

On April 4, 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)
MS-12	240748-56273	727.0
MS-10	240748-56274	678.5

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. 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 5 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240748
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/03-04/2024
RECEIVING DATE : 04/04/2024
ANALYSIS DATE : 04/08/2024
REPORT DATE : 04/09/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240748-56273	240748-56274
Canister Dil. Fac.	1.4	1.5
Analyte	Result	Result
Hydrogen Sulfide	**0.010**	< 0.007
COS / SO2	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007
Total Reduced Sulfurs	**0.010**	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/8/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11513	0.534	104.5	0.2
Duplicate	11572	0.537	105.0	0.3
Triplicate	11526	0.534	104.6	0.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9626	0.519	103.4	0.5
Duplicate	9766	0.527	104.9	1.0
Triplicate	9623	0.519	103.4	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12494	0.518	104.3	0.3
Duplicate	12566	0.521	104.9	0.3
Triplicate	12523	0.520	104.6	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 240745-56257

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 240745-56257 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.273	0.273	106.8	106.8	0.0
MeSH	<PQL	0.251	0.264	0.269	105.2	107.2	1.9
DMS	<PQL	0.249	0.269	0.269	108.2	108.2	0.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.528	103.3
MeSH	0.502	0.529	105.4
DMS	0.497	0.539	108.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240744 on 4/4/24

Client/Project Name	Project Location
SCS Engineers / Citiquita Canyon Landfill Air/ORDOR Sampling	Valencia, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) E.J. Guzman	**(Signature)**
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-24 Sulfur	10-15 Fixed Gases	(END) Pressure	Remarks Canister/Controller
MS-12	4-3/4-24	0731-0731	56273	6L Summa Canister	X	X		-1146-002039/17588
MS-10	4-3/4-24	0801-0801	56274	6L Summa Canister	X	X		-5146-001921/02956

	Date	Time		Date	Time
Relinquished by: (Signature) E.J.	4/4/24	1004	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/4/24	1004
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CHAIN OF CUSTODY RECORD 24074

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.

ANALYSES

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN		5

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 FULL LIST				Remarks (Canister/Controller)
MS-07	4-3/4-24	0715-0718	56268	6L SUMMA CANISTER	X				-08HG-002078/03528
MS-08	4-3/4-24	0740-0740	56269	6L SUMMA CANISTER	X				-81HG-001983/FC 76
MS-09	4-3/4-24	0750-0753	56270	6L SUMMA CANISTER	X				-13HG-002069/03304
MS-06	4-3/4-24	0821-0823	56271	6L SUMMA CANISTER	X				-11HG-001937/03527
MS-11	4-3/4-24	0839-0842	56272	6L SUMMA CANISTER	X				-11HG-001850/19506

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/4/24	1004			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				4/4/24	1009
Sample Disposal Method:	Disposed of by: (Signature)			Date	Time
				+	

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7x cans + 7x cooled Entechs

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240774
REPORT DATE : 04/10/2024

On April 9, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240774-56444	771.5
MS-12	240774-56445	735.0
MS-08	240774-56446	776.5
MS-09	240774-56447	779.5
MS-10	240774-56448	761.0
MS-06	240774-56449	768.5
MS-11	240774-56450	717.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 14 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56444				240774-56445				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.32				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Methanol	<SRL	U	1	6.61	<SRL	U	1	6.93	5.00
1,3-Butadiene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Ethanol	4.19		1	2.64	3.32		1	2.77	2.00
Vinyl Bromide	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Acetone	<SRL	U	1	2.64	<SRL	U	1	2.77	2.00
Trichlorofluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.64	<SRL	U	1	2.77	2.00
Acrylonitrile	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.64	<SRL	U	1	2.77	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56444				240774-56445				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.32				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.32	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.66	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL)	MS-09			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240774-56446				240774-56447				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.31				1.30				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Propene	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Dichlorodifluoromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Chloromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Vinyl Chloride	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Methanol	<SRL	U	1	6.54	<SRL	U	1	6.52	5.00
1,3-Butadiene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Bromomethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Chloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Dichlorofluoromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Ethanol	2.88		1	2.62	<SRL	U	1	2.61	2.00
Vinyl Bromide	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Acetone	<SRL	U	1	2.62	6.52		1	2.61	2.00
Trichlorofluoromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
2-Propanol (IPA)	<SRL	U	1	2.62	<SRL	U	1	2.61	2.00
Acrylonitrile	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,1-Dichloroethene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Allyl Chloride	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Carbon Disulfide	<SRL	U	1	2.62	<SRL	U	1	2.61	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,1-Dichloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Vinyl Acetate	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
2-Butanone (MEK)	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Hexane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Chloroform	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Ethyl Acetate	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Tetrahydrofuran	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2-Dichloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Benzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56446				240774-56447				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.31				1.30				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Cyclohexane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2-Dichloropropane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Bromodichloromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,4-Dioxane	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Trichloroethene (TCE)	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Heptane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Toluene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
2-Hexanone (MBK)	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Dibromochloromethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2-Dibromoethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Chlorobenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Ethylbenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
m & p-Xylene	<SRL	U	1	1.31	<SRL	U	1	1.30	1.00
Bromoform	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Styrene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
o-Xylene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
4-Ethyltoluene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
Hexachlorobutadiene	<SRL	U	1	0.65	<SRL	U	1	0.65	0.50
BFB-Surrogate Std. % Recovery		92%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240774-56448				240774-56449				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.34				1.32				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Methanol	<SRL	U	1	6.68	<SRL	U	1	6.60	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Ethanol	2.78		1	2.67	<SRL	U	1	2.64	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Acetone	2.85		1	2.67	2.83		1	2.64	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
2-Propanol (IPA)	<SRL	U	1	2.67	<SRL	U	1	2.64	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Carbon Disulfide	<SRL	U	1	2.67	<SRL	U	1	2.64	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Benzene	<SRL	U	1	0.67	0.66		1	0.66	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56448				240774-56449				
Date Sampled	04/08/2024				04/08/2024				
Date Analyzed	04/09/2024				04/09/2024				
Can Dilution Factor	1.34				1.32				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
m & p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.32	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.66	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56450				
Date Sampled	04/08/2024				
Date Analyzed	04/09/2024				
Can Dilution Factor	1.41				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	0.50
Methanol	8.68		1	7.07	5.00
1,3-Butadiene	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240774
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/09/2024
DATE REPORTED : 04/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240774-56450				
Date Sampled	04/08/2024				
Date Analyzed	04/09/2024				
Can Dilution Factor	1.41				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		89%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/09/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.00	96
Chlorodifluoromethane	10.30	11.32	110
Propene	10.70	11.33	106
Dichlorodifluoromethane	10.40	11.37	109
Dimethyl Ether	10.20	10.93	107
Chloromethane	10.50	10.96	104
Dichlorotetrafluoroethane	10.20	10.01	98
Vinyl Chloride	10.60	11.03	104
Acetaldehyde	21.00	23.71	113
Methanol	19.00	20.75	109
1,3-Butadiene	10.70	11.33	106
Bromomethane	10.40	10.73	103
Chloroethane	10.40	9.91	95
Dichlorofluoromethane	10.20	10.52	103
Ethanol	11.40	11.62	102
Vinyl Bromide	10.10	10.49	104
Acrolein	10.90	11.82	108
Acetone	10.60	10.22	96
Trichlorofluoromethane	10.50	11.01	105
2-Propanol (IPA)	11.00	12.30	112
Acrylonitrile	11.00	11.95	109
1,1-Dichloroethene	10.50	10.16	97
Methylene Chloride (DCM)	10.40	10.14	98
TertButanol (TBA)	11.10	12.84	116
Allyl Chloride	10.20	10.02	98
Carbon Disulfide	10.50	11.21	107
Trichlorotrifluoroethane	10.30	10.15	99
trans-1,2-Dichloroethene	10.80	10.62	98
1,1-Dichloroethane	10.70	10.80	101
Methyl Tert Butyl Ether (MTBE)	10.70	10.99	103
Vinyl Acetate	11.00	12.73	116
2-Butanone (MEK)	10.70	10.38	97
cis-1,2-Dichloroethene	10.70	10.47	98
Hexane	10.80	10.63	98
Chloroform	10.70	10.42	97
Ethyl Acetate	10.70	11.50	107
Tetrahydrofuran	10.40	9.98	96
1,2-Dichloroethane	10.60	10.66	101
1,1,1-Trichloroethane	10.50	10.64	101
Benzene	10.70	10.30	96
Carbon Tetrachloride	10.30	10.48	102
Cyclohexane	10.50	10.09	96

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.79	101
Bromodichloromethane	10.50	10.65	101
1,4-Dioxane	10.50	10.32	98
Trichloroethene (TCE)	10.50	10.20	97
2,2,4-Trimethylpentane	10.10	10.44	103
Methyl Methacrylate	11.00	11.50	105
Heptane	10.50	10.22	97
cis-1,3-Dichloropropene	10.50	10.55	100
4-Methyl-2-pentanone (MiBK)	10.50	10.54	100
trans-1,3-Dichloropropene	10.60	10.50	99
1,1,2-Trichloroethane	10.60	9.71	92
Toluene	10.80	9.99	93
2-Hexanone (MBK)	10.50	11.11	106
Dibromochloromethane	10.60	10.41	98
1,2-Dibromoethane	10.60	10.10	95
Tetrachloroethene (PCE)	10.50	9.69	92
Chlorobenzene	10.80	9.98	92
Ethylbenzene	10.60	10.19	96
m & p-Xylene	21.20	19.24	91
Bromoform	10.60	10.36	98
Styrene	10.60	10.26	97
1,1,2,2-Tetrachloroethane	10.60	9.88	93
o-Xylene	10.60	9.99	94
1,2,3-Trichloropropane	11.00	10.35	94
Isopropylbenzene (Cumene)	10.40	9.66	93
α-Pinene	10.80	9.54	88
2-Chlorotoluene	10.30	9.81	95
n-Propylbenzene	10.10	9.34	92
4-Ethyltoluene	10.40	9.36	90
1,3,5-Trimethylbenzene	10.30	9.24	90
β-Pinene	10.90	9.07	83
1,2,4-Trimethylbenzene	10.30	9.23	90
Benzyl Chloride (a-Chlorotoluene)	10.30	10.49	102
1,3-Dichlorobenzene	10.30	9.74	95
1,4-Dichlorobenzene	10.20	9.65	95
Sec-ButylBenzene	10.10	9.10	90
1,2-Dichlorobenzene	10.40	9.40	90
n-ButylBenzene	10.30	9.76	95
1,2-Dibromo-3-Chloropropane	10.30	9.60	93
1,2,4-Trichlorobenzene	10.50	10.43	99
Naphthalene	10.90	11.42	105
Hexachlorobutadiene	10.80	9.36	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/09/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.00	9.26	96	99	2.8
1,1-Dichloroethene	0.0	10.50	10.16	10.07	97	96	0.9
Methylene Chloride (DCM)	0.0	10.40	10.14	10.06	98	97	0.8
Benzene	0.0	10.70	10.30	10.46	96	98	1.5
Trichloroethene (TCE)	0.0	10.50	10.20	10.41	97	99	2.0
Toluene	0.0	10.80	9.99	10.26	93	95	2.7
Tetrachloroethene (PCE)	0.0	10.50	9.69	9.94	92	95	2.5
Chlorobenzene	0.0	10.80	9.98	10.28	92	95	3.0
Ethylbenzene	0.0	10.60	10.19	10.30	96	97	1.1
m & p-Xylene	0.0	21.20	19.24	19.61	91	93	1.9
o-Xylene	0.0	10.60	9.99	10.33	94	97	3.3

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/09/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 040924*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 040924*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/09/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.41

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240774-56450

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.37	8.46	1.1
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.68	8.46	2.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol J	2.53	2.47	2.3
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone J	2.26	2.16	4.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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CHAIN OF CUSTODY RECORD 240774

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN Ed	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079/Sulfur	TO-15 Full List	(EW) Pressure	Remarks (Canister/controller)
MS-07	4-8/9-24	0711-0726	56444	6L SUMMA CANISTER	X	X		OHG-001805/19505
MS-12	4-8/9-24	0718-0737	56445	6L SUMMA CANISTER	X	X		OHG-001928/19508
MS-08	4-8/9-24	0723-0744	56446	6L SUMMA CANISTER	X	X		OHG-001930/19504
MS-09	4-8/9-24	0731-0754	56447	6L SUMMA CANISTER	X	X		-1HG-001920/02323
MS-10	4-8/9-24	0742-0804	56448	6L SUMMA CANISTER	X	X		OHG-001959/19594
MS-06	4-8/9-24	0755-0820	56449	6L SUMMA CANISTER	X	X		OHG-001991/000998
MS-11	4-8/9-24	0815-0840	56450	6L SUMMA CANISTER	X	X		-1HG-001974/17582

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/9/24	1005			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/9/24	1005
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 240774
REPORT DATE	: 04/12/2024

On April 9, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)
MS-07	240774-56444	771.5
MS-12	240774-56445	735.0
MS-08	240774-56446	776.5
MS-09	240774-56447	779.5
MS-10	240774-56448	761.0
MS-06	240774-56449	768.5
MS-11	240774-56450	717.5

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. 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240774
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/08-09/2024
RECEIVING DATE : 04/09/2024
ANALYSIS DATE : 04/09/2024
REPORT DATE : 04/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240774-56444	240774-56445	240774-56446	240774-56447
Canister Dil. Fac.	1.3	1.4	1.3	1.3
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.007	**0.009**
COS / SO2	< 0.007	< 0.007	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.007	**0.009**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240774
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/08-09/2024
RECEIVING DATE : 04/09/2024
ANALYSIS DATE : 04/11/2024
REPORT DATE : 04/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240774-56448	240774-56449	240774-56450
Canister Dil. Fac.	1.3	1.3	1.4
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.007
COS / SO2	< 0.007	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/9/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11081	0.514	100.5	1.2
Duplicate	11565	0.536	104.9	3.1
Triplicate	11009	0.510	99.9	1.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9224	0.498	99.1	1.7
Duplicate	9656	0.521	103.8	2.9
Triplicate	9281	0.501	99.7	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12479	0.518	104.2	0.1
Duplicate	12516	0.519	104.5	0.2
Triplicate	12479	0.518	104.2	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 240745-56257

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 240745-56257 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.258	0.272	101.0	106.5	5.3
MeSH	<PQL	0.251	0.261	0.265	104.0	105.6	1.5
DMS	<PQL	0.249	0.260	0.272	104.6	109.5	4.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.532	104.1
MeSH	0.502	0.533	106.2
DMS	0.497	0.545	109.7

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/11/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11468	0.532	104.1	2.5
Duplicate	11148	0.517	101.1	0.4
Triplicate	10952	0.508	99.4	2.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9588	0.517	103.0	2.5
Duplicate	9317	0.503	100.1	0.4
Triplicate	9151	0.494	98.3	2.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12453	0.517	104.0	1.1
Duplicate	12330	0.512	102.9	0.1
Triplicate	12184	0.506	101.7	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 240745-56257

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 240745-56257 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.268	97.8	104.9	6.9
MeSH	<PQL	0.251	0.263	0.272	104.8	108.4	3.4
DMS	<PQL	0.249	0.273	0.271	109.9	109.1	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.496	97.1
MeSH	0.502	0.489	97.4
DMS	0.497	0.498	100.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240774

Client/Project Name	Project Location
SCS Engineers/Chiquita Canyon Landfill AIR/ODOR Sampling	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
K.D. Guzman / [signature]	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 day Sulfur	10-15 Full List	Final Vacuum	Remarks Canister/controller
MS-07	4-8/9-24	0711-0726	56444	6L Summa Canister	X	X		OHC-001805/19505
MS-12	4-8/9-24	0728-0737	56445	6L Summa Canister	X	X		OHC-001928/19508
MS-08	4-8/9-24	0723-0744	56446	6L Summa Canister	X	X		OHC-001930/19504
MS-09	4-8/9-24	0731-0754	56447	6L Summa Canister	X	X		-IHC-001922/02323
MS-10	4-8/9-24	0742-0804	56448	6L Summa Canister	X	X		OHC-001959/19594
MS-06	4-8/9-24	0755-0820	56449	6L Summa Canister	X	X		OHC-001991/00998
MS-11	4-8/9-24	0815-0840	56450	6L Summa Canister	X	X		-IHC-001974/17582

Relinquished by: (Signature) [signature]	**Date** 4/9/24	**Time** 1005	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)** [signature]	**Date** 4/9/24	**Time** 1005
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

Tedlar and Tedlar coated fabrics

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240788
REPORT DATE : 04/12/2024

On April 10, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240788-56549	359.5
MS-08	240788-56550	661.0
MS-09	240788-56551	679.0
MS-06	240788-56552	723.0
MS-11	240788-56553	755.0
MS-12	240788-56554	692.0
MS-10	240788-56555	545.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240788-56549				240788-56550				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	2.83				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Methanol	<SRL	U	1	14.1	<SRL	U	1	7.69	5.00
1,3-Butadiene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	5.66	<SRL	U	1	3.07	2.00
Vinyl Bromide	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	5.66	3.35		1	3.07	2.00
Trichlorofluoromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	5.66	<SRL	U	1	3.07	2.00
Acrylonitrile	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	5.66	<SRL	U	1	3.07	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-08			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240788-56549				240788-56550				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	2.83				1.54				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	2.83	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	1.41	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		90%				92%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240788-56551				240788-56552				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.50				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methanol	8.11		1	7.48	8.12		1	7.03	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethanol	2.99		1	2.99	3.12		1	2.81	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Acetone	9.91		1	2.99	4.11		1	2.81	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	2.81	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	2.81	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240788-56551				240788-56552				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.50				1.41				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		91%				88%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240788-56553			(MRLxDF's)	240788-56554			(MRLxDF's)	
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.35				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Chloromethane	0.67		1	0.67	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Methanol	6.81		1	6.73	<SRL	U	1	7.34	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Ethanol	4.88		1	2.69	3.00		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Acetone	3.27		1	2.69	3.11		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.69	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.69	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240788-56553				240788-56554				
Date Sampled	04/09/2024				04/09/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.35				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240788-56555				
Date Sampled	04/09/2024				
Date Analyzed	04/11/2024				
Can Dilution Factor	1.88				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.94	0.50
Propene	<SRL	U	1	1.88	1.00
Dichlorodifluoromethane	<SRL	U	1	0.94	0.50
Chloromethane	<SRL	U	1	0.94	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.94	0.50
Vinyl Chloride	<SRL	U	1	0.94	0.50
Methanol	<SRL	U	1	9.38	5.00
1,3-Butadiene	<SRL	U	1	0.94	0.50
Bromomethane	<SRL	U	1	0.94	0.50
Chloroethane	<SRL	U	1	0.94	0.50
Dichlorofluoromethane	<SRL	U	1	0.94	0.50
Ethanol	<SRL	U	1	3.75	2.00
Vinyl Bromide	<SRL	U	1	0.94	0.50
Acetone	3.88		1	3.75	2.00
Trichlorofluoromethane	<SRL	U	1	0.94	0.50
2-Propanol (IPA)	<SRL	U	1	3.75	2.00
Acrylonitrile	<SRL	U	1	0.94	0.50
1,1-Dichloroethene	<SRL	U	1	0.94	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.88	1.00
Allyl Chloride	<SRL	U	1	1.88	1.00
Carbon Disulfide	<SRL	U	1	3.75	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.94	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.94	0.50
1,1-Dichloroethane	<SRL	U	1	0.94	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.94	0.50
Vinyl Acetate	<SRL	U	1	0.94	0.50
2-Butanone (MEK)	<SRL	U	1	1.88	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.94	0.50
Hexane	<SRL	U	1	0.94	0.50
Chloroform	<SRL	U	1	0.94	0.50
Ethyl Acetate	<SRL	U	1	0.94	0.50
Tetrahydrofuran	<SRL	U	1	0.94	0.50
1,2-Dichloroethane	<SRL	U	1	0.94	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.94	0.50
Benzene	<SRL	U	1	0.94	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240788
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/10/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240788-56555				
Date Sampled	04/09/2024				
Date Analyzed	04/11/2024				
Can Dilution Factor	1.88				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.94	0.50
Cyclohexane	<SRL	U	1	0.94	0.50
1,2-Dichloropropane	<SRL	U	1	0.94	0.50
Bromodichloromethane	<SRL	U	1	0.94	0.50
1,4-Dioxane	<SRL	U	1	1.88	1.00
Trichloroethene (TCE)	<SRL	U	1	0.94	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.94	0.50
Heptane	<SRL	U	1	0.94	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.94	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.94	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.94	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.94	0.50
Toluene	<SRL	U	1	0.94	0.50
2-Hexanone (MBK)	<SRL	U	1	1.88	1.00
Dibromochloromethane	<SRL	U	1	0.94	0.50
1,2-Dibromoethane	<SRL	U	1	0.94	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.94	0.50
Chlorobenzene	<SRL	U	1	0.94	0.50
Ethylbenzene	<SRL	U	1	0.94	0.50
m & p-Xylene	<SRL	U	1	1.88	1.00
Bromoform	<SRL	U	1	0.94	0.50
Styrene	<SRL	U	1	0.94	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.94	0.50
o-Xylene	<SRL	U	1	0.94	0.50
4-Ethyltoluene	<SRL	U	1	0.94	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.94	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.94	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.94	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.94	0.50
Hexachlorobutadiene	<SRL	U	1	0.94	0.50
BFB-Surrogate Std. % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.17	98
Chlorodifluoromethane	10.30	11.83	115
Propene	10.70	11.93	111
Dichlorodifluoromethane	10.40	11.27	108
Dimethyl Ether	10.20	11.33	111
Chloromethane	10.50	11.80	112
Dichlorotetrafluoroethane	10.20	10.21	100
Vinyl Chloride	10.60	10.69	101
Acetaldehyde	21.00	23.73	113
Methanol	19.00	22.08	116
1,3-Butadiene	10.70	12.05	113
Bromomethane	10.40	10.64	102
Chloroethane	10.40	9.87	95
Dichlorofluoromethane	10.20	10.48	103
Ethanol	11.40	12.82	112
Vinyl Bromide	10.10	10.57	105
Acrolein	10.90	12.20	112
Acetone	10.60	10.55	100
Trichlorofluoromethane	10.50	11.14	106
2-Propanol (IPA)	11.00	12.73	116
Acrylonitrile	11.00	12.49	114
1,1-Dichloroethene	10.50	9.84	94
Methylene Chloride (DCM)	10.40	9.91	95
TertButanol (TBA)	11.10	13.27	120
Allyl Chloride	10.20	10.52	103
Carbon Disulfide	10.50	10.89	104
Trichlorotrifluoroethane	10.30	10.19	99
trans-1,2-Dichloroethene	10.80	10.64	99
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.18	104
Vinyl Acetate	11.00	13.58	123
2-Butanone (MEK)	10.70	10.87	102
cis-1,2-Dichloroethene	10.70	10.05	94
Hexane	10.80	9.74	90
Chloroform	10.70	10.65	100
Ethyl Acetate	10.70	12.14	113
Tetrahydrofuran	10.40	10.25	99
1,2-Dichloroethane	10.60	10.92	103
1,1,1-Trichloroethane	10.50	10.96	104
Benzene	10.70	10.49	98
Carbon Tetrachloride	10.30	11.31	110
Cyclohexane	10.50	10.45	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.01	103
Bromodichloromethane	10.50	11.21	107
1,4-Dioxane	10.50	10.10	96
Trichloroethene (TCE)	10.50	10.36	99
2,2,4-Trimethylpentane	10.10	10.86	108
Methyl Methacrylate	11.00	11.62	106
Heptane	10.50	10.15	97
cis-1,3-Dichloropropene	10.50	10.97	104
4-Methyl-2-pentanone (MiBK)	10.50	11.08	106
trans-1,3-Dichloropropene	10.60	10.93	103
1,1,2-Trichloroethane	10.60	10.12	95
Toluene	10.80	10.16	94
2-Hexanone (MBK)	10.50	11.76	112
Dibromochloromethane	10.60	11.03	104
1,2-Dibromoethane	10.60	10.51	99
Tetrachloroethene (PCE)	10.50	9.69	92
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.28	97
m & p-Xylene	21.20	19.51	92
Bromoform	10.60	10.92	103
Styrene	10.60	10.67	101
1,1,2,2-Tetrachloroethane	10.60	10.28	97
o-Xylene	10.60	10.28	97
1,2,3-Trichloropropane	11.00	10.95	100
Isopropylbenzene (Cumene)	10.40	9.89	95
α-Pinene	10.80	9.52	88
2-Chlorotoluene	10.30	10.17	99
n-Propylbenzene	10.10	9.62	95
4-Ethyltoluene	10.40	9.69	93
1,3,5-Trimethylbenzene	10.30	9.58	93
β-Pinene	10.90	8.09	74
1,2,4-Trimethylbenzene	10.30	9.73	94
Benzyl Chloride (a-Chlorotoluene)	10.30	11.09	108
1,3-Dichlorobenzene	10.30	9.96	97
1,4-Dichlorobenzene	10.20	9.93	97
Sec-ButylBenzene	10.10	9.44	93
1,2-Dichlorobenzene	10.40	9.82	94
n-ButylBenzene	10.30	10.05	98
1,2-Dibromo-3-Chloropropane	10.30	10.24	99
1,2,4-Trichlorobenzene	10.50	10.85	103
Naphthalene	10.90	12.08	111
Hexachlorobutadiene	10.80	9.67	90

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.17	9.10	98	97	0.8
1,1-Dichloroethene	0.0	10.50	9.84	10.23	94	97	3.9
Methylene Chloride (DCM)	0.0	10.40	9.91	10.07	95	97	1.6
Benzene	0.0	10.70	10.49	10.70	98	100	2.0
Trichloroethene (TCE)	0.0	10.50	10.36	10.67	99	102	2.9
Toluene	0.0	10.80	10.16	10.59	94	98	4.1
Tetrachloroethene (PCE)	0.0	10.50	9.69	10.19	92	97	5.0
Chlorobenzene	0.0	10.80	10.03	10.05	93	93	0.2
Ethylbenzene	0.0	10.60	10.28	10.14	97	96	1.4
m & p-Xylene	0.0	21.20	19.51	19.34	92	91	0.9
o-Xylene	0.0	10.60	10.28	10.29	97	97	0.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041124*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240788-56551

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.51	8.44	0.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.11	8.53	5.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	2.99	3.01	0.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	9.91	9.88	0.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD 240788

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 5	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List	12-MJ Pressure	Remarks Canister/Controller
MS-07	4-9/10-24	0726-0726	56549	6L SUMMA CANISTER	X		1HG 001843/19512
MS-08	4-9/10-24	0744-0744	56550	6L SUMMA CANISTER	X		1HG 001960/000884
MS-09	4-9/10-24	0754-0754	56551	6L SUMMA CANISTER	X		0HG 002046/19597
MS-06	4-9/10-24	0820-0820	56552	6L SUMMA CANISTER	X		0HG 002067/19511
MS-11	4-9/10-24	0840-0840	56553	6L SUMMA CANISTER	X		0HG 001842/19513

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/10/24	1005			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/10/24	1008

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CHAIN OF CUSTODY RECORD 240788

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ORDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3074/SULFUR	10-15 TO-15 FULL LIST			HI PRESSURE	Remarks Canister/Controller
MS-12	4-9/10-24	0737-0737	56554	6L SUMMA CANISTER	X	X			5HG	001836/03103
MS-10	4-9/10-24	0804-0804	56555	6L SUMMA CANISTER	X	X			10HG	001932/05082

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/10/24	1005			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/10/24	1008
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 240788
REPORT DATE	: 04/12/2024

On April 10, 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)
MS-12	240788-56554	692.0
MS-10	240788-56555	545.0

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. 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 5 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240788
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/09-10/2024
RECEIVING DATE : 04/10/2024
ANALYSIS DATE : 04/11/2024
REPORT DATE : 04/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240788-56554	240788-56555
Canister Dil. Fac.	1.5	1.9
Analyte	Result	Result
Hydrogen Sulfide	< 0.007	**0.011**
COS / SO2	< 0.007	< 0.009
Methyl Mercaptan	< 0.007	< 0.009
Ethyl Mercaptan	< 0.007	< 0.009
Dimethyl Sulfide	< 0.007	< 0.009
Carbon Disulfide	< 0.007	< 0.009
Isopropyl Mercaptan	< 0.007	< 0.009
tert-Butyl Mercaptan	< 0.007	< 0.009
n-Propyl Mercaptan	< 0.007	< 0.009
Methylethylsulfide	< 0.007	< 0.009
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.009
iso-Butyl Mercaptan	< 0.007	< 0.009
Diethyl Sulfide	< 0.007	< 0.009
n-Butyl Mercaptan	< 0.007	< 0.009
Dimethyl Disulfide	< 0.007	< 0.009
2-Methylthiophene	< 0.007	< 0.009
3-Methylthiophene	< 0.007	< 0.009
Tetrahydrothiophene	< 0.007	< 0.009
Bromothiophene	< 0.007	< 0.009
Thiophenol	< 0.007	< 0.009
Diethyl Disulfide	< 0.007	< 0.009
Total Unidentified Sulfur	< 0.007	< 0.009
Total Reduced Sulfurs	< 0.007	**0.011**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/11/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11468	0.532	104.1	2.5
Duplicate	11148	0.517	101.1	0.4
Triplicate	10952	0.508	99.4	2.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9588	0.517	103.0	2.5
Duplicate	9317	0.503	100.1	0.4
Triplicate	9151	0.494	98.3	2.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12453	0.517	104.0	1.1
Duplicate	12330	0.512	102.9	0.1
Triplicate	12184	0.506	101.7	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.268	97.8	104.9	6.9
MeSH	<PQL	0.251	0.263	0.272	104.8	108.4	3.4
DMS	<PQL	0.249	0.273	0.271	109.9	109.1	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.496	97.1
MeSH	0.502	0.489	97.4
DMS	0.497	0.498	100.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240788

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ORDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C 79 Suffix	TO-15 Full List			EPA Pressure	Remarks Canister/Controller
MS-12	4-9/10-24	0737-0737	56554	6L SUMMA CANISTER	X	X			-5HG	001836/03103
MS-10	4-9/10-24	0804-0804	56555	6L SUMMA CANISTER	X	X			-10HG	001932/05082

Relinquished by: (Signature)	**Date** 4/10/24	**Time** 1005	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/10/24	**Time** 1008
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CHAIN OF CUSTODY RECORD 240788

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				2nd Pressure	Remarks Canister/Controller
MS-07	4-9/10-24	0726-0726	56549	6L SUMMA CANISTER	X				-15"HG	CC1843/19512
MS-08	4-9/10-24	0744-0744	56550	6L SUMMA CANISTER	X				-1"HG	CC01960/000884
MS-09	4-9/10-24	0754-0754	56551	6L SUMMA CANISTER	X				0"HG	CC02046/19597
MS-06	4-9/10-24	0820-0820	56552	6L SUMMA CANISTER	X				0"HG	CC02067/19511
MS-11	4-9/10-24	0840-0840	56553	6L SUMMA CANISTER	X				0"HG	CC01842/19513

	Date	Time		Date	Time
Relinquished by: (Signature)	4/10/24	1005	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/10/24	1000
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

7x cert 7x coated canisters

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240799
REPORT DATE : 04/12/2024

On April 11, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240799-56570	494.0
MS-08	240799-56571	595.0
MS-09	240799-56572	665.0
MS-06	240799-56573	680.0
MS-11	240799-56574	644.0
MS-12	240799-56575	649.0
MS-10	240799-56576	606.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56570				240799-56571				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	2.05				1.71				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Propene	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Dichlorodifluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Chloromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Vinyl Chloride	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Methanol	13.1		1	10.3	8.83		1	8.55	5.00
1,3-Butadiene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Bromomethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Chloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Dichlorofluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Ethanol	6.65		1	4.11	<SRL	U	1	3.42	2.00
Vinyl Bromide	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Acetone	5.18		1	4.11	6.33		1	3.42	2.00
Trichlorofluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
2-Propanol (IPA)	<SRL	U	1	4.11	<SRL	U	1	3.42	2.00
Acrylonitrile	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,1-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Allyl Chloride	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Carbon Disulfide	<SRL	U	1	4.11	<SRL	U	1	3.42	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,1-Dichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Vinyl Acetate	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
2-Butanone (MEK)	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Hexane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Chloroform	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Ethyl Acetate	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Tetrahydrofuran	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2-Dichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Benzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56570				240799-56571				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	2.05				1.71				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Cyclohexane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2-Dichloropropane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Bromodichloromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,4-Dioxane	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Trichloroethene (TCE)	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Heptane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Toluene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
2-Hexanone (MBK)	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Dibromochloromethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2-Dibromoethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Chlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Ethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
m & p-Xylene	<SRL	U	1	2.05	<SRL	U	1	1.71	1.00
Bromoform	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Styrene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
o-Xylene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
4-Ethyltoluene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
Hexachlorobutadiene	<SRL	U	1	1.03	<SRL	U	1	0.86	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56572				240799-56573				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.53				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Methanol	13.2		1	7.64	12.5		1	7.47	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Ethanol	3.80		1	3.05	5.84		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Acetone	8.35		1	3.05	8.07		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.05	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.05	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56572				240799-56573				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.53				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56574				240799-56575				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.58				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Methanol	15.4		1	7.89	12.2		1	7.87	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Ethanol	4.35		1	3.16	5.36		1	3.15	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Acetone	3.93		1	3.16	4.52		1	3.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.16	<SRL	U	1	3.15	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Allyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Carbon Disulfide	<SRL	U	1	3.16	<SRL	U	1	3.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240799-56574				240799-56575				
Date Sampled	04/10/2024				04/10/2024				
Date Analyzed	04/11/2024				04/11/2024				
Can Dilution Factor	1.58				1.57				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.57	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56576				
Date Sampled	04/10/2024				
Date Analyzed	04/11/2024				
Can Dilution Factor	1.69				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.69	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.84	0.50
Methanol	11.0		1	8.43	5.00
1,3-Butadiene	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	0.50
Ethanol	4.76		1	3.37	2.00
Vinyl Bromide	<SRL	U	1	0.84	0.50
Acetone	6.14		1	3.37	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	3.37	2.00
Acrylonitrile	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.69	1.00
Allyl Chloride	<SRL	U	1	1.69	1.00
Carbon Disulfide	<SRL	U	1	3.37	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.69	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.84	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240799
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/11/2024
DATE REPORTED : 04/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240799-56576				
Date Sampled	04/10/2024				
Date Analyzed	04/11/2024				
Can Dilution Factor	1.69				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.69	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.69	1.00
Dibromochloromethane	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.69	1.00
Bromoform	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.17	98
Chlorodifluoromethane	10.30	11.83	115
Propene	10.70	11.93	111
Dichlorodifluoromethane	10.40	11.27	108
Dimethyl Ether	10.20	11.33	111
Chloromethane	10.50	11.80	112
Dichlorotetrafluoroethane	10.20	10.21	100
Vinyl Chloride	10.60	10.69	101
Acetaldehyde	21.00	23.73	113
Methanol	19.00	22.08	116
1,3-Butadiene	10.70	12.05	113
Bromomethane	10.40	10.64	102
Chloroethane	10.40	9.87	95
Dichlorofluoromethane	10.20	10.48	103
Ethanol	11.40	12.82	112
Vinyl Bromide	10.10	10.57	105
Acrolein	10.90	12.20	112
Acetone	10.60	10.55	100
Trichlorofluoromethane	10.50	11.14	106
2-Propanol (IPA)	11.00	12.73	116
Acrylonitrile	11.00	12.49	114
1,1-Dichloroethene	10.50	9.84	94
Methylene Chloride (DCM)	10.40	9.91	95
TertButanol (TBA)	11.10	13.27	120
Allyl Chloride	10.20	10.52	103
Carbon Disulfide	10.50	10.89	104
Trichlorotrifluoroethane	10.30	10.19	99
trans-1,2-Dichloroethene	10.80	10.64	99
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.18	104
Vinyl Acetate	11.00	13.58	123
2-Butanone (MEK)	10.70	10.87	102
cis-1,2-Dichloroethene	10.70	10.05	94
Hexane	10.80	9.74	90
Chloroform	10.70	10.65	100
Ethyl Acetate	10.70	12.14	113
Tetrahydrofuran	10.40	10.25	99
1,2-Dichloroethane	10.60	10.92	103
1,1,1-Trichloroethane	10.50	10.96	104
Benzene	10.70	10.49	98
Carbon Tetrachloride	10.30	11.31	110
Cyclohexane	10.50	10.45	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.01	103
Bromodichloromethane	10.50	11.21	107
1,4-Dioxane	10.50	10.10	96
Trichloroethene (TCE)	10.50	10.36	99
2,2,4-Trimethylpentane	10.10	10.86	108
Methyl Methacrylate	11.00	11.62	106
Heptane	10.50	10.15	97
cis-1,3-Dichloropropene	10.50	10.97	104
4-Methyl-2-pentanone (MiBK)	10.50	11.08	106
trans-1,3-Dichloropropene	10.60	10.93	103
1,1,2-Trichloroethane	10.60	10.12	95
Toluene	10.80	10.16	94
2-Hexanone (MBK)	10.50	11.76	112
Dibromochloromethane	10.60	11.03	104
1,2-Dibromoethane	10.60	10.51	99
Tetrachloroethene (PCE)	10.50	9.69	92
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.28	97
m & p-Xylene	21.20	19.51	92
Bromoform	10.60	10.92	103
Styrene	10.60	10.67	101
1,1,2,2-Tetrachloroethane	10.60	10.28	97
o-Xylene	10.60	10.28	97
1,2,3-Trichloropropane	11.00	10.95	100
Isopropylbenzene (Cumene)	10.40	9.89	95
α-Pinene	10.80	9.52	88
2-Chlorotoluene	10.30	10.17	99
n-Propylbenzene	10.10	9.62	95
4-Ethyltoluene	10.40	9.69	93
1,3,5-Trimethylbenzene	10.30	9.58	93
β-Pinene	10.90	8.09	74
1,2,4-Trimethylbenzene	10.30	9.73	94
Benzyl Chloride (a-Chlorotoluene)	10.30	11.09	108
1,3-Dichlorobenzene	10.30	9.96	97
1,4-Dichlorobenzene	10.20	9.93	97
Sec-ButylBenzene	10.10	9.44	93
1,2-Dichlorobenzene	10.40	9.82	94
n-ButylBenzene	10.30	10.05	98
1,2-Dibromo-3-Chloropropane	10.30	10.24	99
1,2,4-Trichlorobenzene	10.50	10.85	103
Naphthalene	10.90	12.08	111
Hexachlorobutadiene	10.80	9.67	90

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-112823-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.17	9.10	98	97	0.8
1,1-Dichloroethene	0.0	10.50	9.84	10.23	94	97	3.9
Methylene Chloride (DCM)	0.0	10.40	9.91	10.07	95	97	1.6
Benzene	0.0	10.70	10.49	10.70	98	100	2.0
Trichloroethene (TCE)	0.0	10.50	10.36	10.67	99	102	2.9
Toluene	0.0	10.80	10.16	10.59	94	98	4.1
Tetrachloroethene (PCE)	0.0	10.50	9.69	10.19	92	97	5.0
Chlorobenzene	0.0	10.80	10.03	10.05	93	93	0.2
Ethylbenzene	0.0	10.60	10.28	10.14	97	96	1.4
m & p-Xylene	0.0	21.20	19.51	19.34	92	91	0.9
o-Xylene	0.0	10.60	10.28	10.29	97	97	0.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
I,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041124*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/11/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240788-56551

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.51	8.44	0.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.11	8.53	5.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	2.99	3.01	0.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	9.91	9.88	0.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD 240799

Client/Project Name	Project Location
SCS ENGINEERS / CITIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				End Pressure	Remarks Canister / controller
MS-07	4-10/11-24	0726-0726	56570	6L Summa Canister	X				-9HG	002000/17590
MS-08	4-10/11-24	0744-0744	56571	6L Summa Canister	X				-6HG	001923/17587
MS-09	4-10/11-24	0754-0754	56572	6L Summa Canister	X				-0HG	001953/19507
MS-06	4-10/11-24	0820-0820	56573	6L Summa Canister	X				-1HG	001841/05096
MS-11	4-10/11-24	0840-0857	56574	6L Summa Canister	X				-5HG	001947/03111

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Guzman	4/11/24	1000			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/11/24	1001
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

D10 - 7x cans + 7x FC's

CHAIN OF CUSTODY RECORD 24077 99

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED GUZMAN	**(Signature)**
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	40 CFR 91 SUMMA	TO-15 FULL LIST			END PRESSURE	Remarks Canister/controller
MS-12	4-10/11-24	0737-0737	56575	6L SUMMA CANISTER	X	X			6HG	001994/19510
MS-10	4-10/11-24	0804-0804	56576	6L SUMMA CANISTER	X	X			8HG	001985/000806

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-11-24	1000			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/11/24	1001
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	240799
REPORT DATE	:	04/15/2024

On April 11, 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)
MS-12	240799-56575	649.0
MS-10	240799-56576	606.5

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. 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 5 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240799
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/10-11/2024
RECEIVING DATE : 04/11/2024
ANALYSIS DATE : 04/12/2024
REPORT DATE : 04/15/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240799-56575	240799-56576
Canister Dil. Fac.	1.6	1.7
Analyte	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008
COS / SO2	< 0.008	< 0.008
Methyl Mercaptan	< 0.008	< 0.008
Ethyl Mercaptan	< 0.008	< 0.008
Dimethyl Sulfide	< 0.008	< 0.008
Carbon Disulfide	< 0.008	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.008
Methylethylsulfide	< 0.008	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.008
Diethyl Sulfide	< 0.008	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.008
Dimethyl Disulfide	< 0.008	< 0.008
2-Methylthiophene	< 0.008	< 0.008
3-Methylthiophene	< 0.008	< 0.008
Tetrahydrothiophene	< 0.008	< 0.008
Bromothiophene	< 0.008	< 0.008
Thiophenol	< 0.008	< 0.008
Diethyl Disulfide	< 0.008	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.008
Total Reduced Sulfurs	< 0.008	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/12/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11081	0.514	100.5	2.4
Duplicate	10845	0.503	98.4	0.3
Triplicate	10524	0.488	95.5	2.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9366	0.505	100.6	2.7
Duplicate	9066	0.489	97.4	0.6
Triplicate	8935	0.482	96.0	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12503	0.519	104.4	2.5
Duplicate	12474	0.518	104.2	2.3
Triplicate	11613	0.482	97.0	4.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.231	0.244	90.4	95.5	5.5
MeSH	<PQL	0.251	0.236	0.242	94.0	96.4	2.5
DMS	<PQL	0.249	0.235	0.249	94.6	100.2	5.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.538	105.3
MeSH	0.502	0.520	103.6
DMS	0.497	0.511	102.8

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240799

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED GRUNA	**(Signature)**
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7-91 SUMMA	TO-15 FULL LIST			END PRESSURE	Remarks Canister/Controller
MS-12	4-10/11-24	0737-0737	56575	6L SUMMA CANISTER	X	X			-6HG	001994/19510
MS-10	4-10/11-24	0804-0804	56576	6L SUMMA CANISTER	X	X			-8HG	001985/000806

	Date	Time		Date	Time
Relinquished by: (Signature) ED GRUNA	4-11-24	1000	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/11/24	1000
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
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(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CHAIN OF CUSTODY RECORD 240799

Client/Project Name SCS ENGINEERS / CITIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				END Pressure	Remarks Canister/controller
MS-07	4-10/11-24	0726-0726	56570	6L Summa Canister	X				-9HG	002000/17590
MS-08	4-10/11-24	0744-0744	56571	6L Summa Canister	X				-6HG	001923/17587
MS-09	4-10/11-24	0754-0754	56572	6L Summa Canister	X				-8HG	001953/19507
MS-06	4-10/11-24	0820-0820	56573	6L Summa Canister	X				-1HG	001841/05096
MS-11	4-10/11-24	0840-0857	56574	6L Summa Canister	X				-5HG	001947/03111

Relinquished by: (Signature) Ed Guzman	**Date** 4/11/24	**Time** 1000	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/11/24	**Time** 1009
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
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(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240843
REPORT DATE : 04/17/2024

On April 16, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240843-56788	704.5
MS-12	240843-56789	607.0
MS-08	240843-56790	755.0
MS-09	240843-56791	616.0
MS-10	240843-56792	679.5
MS-06	240843-56793	657.5
MS-11	240843-56794	660.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240843-56788				240843-56789				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.44				1.67				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Methanol	<SRL	U	1	7.20	<SRL	U	1	8.35	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Ethanol	<SRL	U	1	2.88	5.16		1	3.34	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Acetone	<SRL	U	1	2.88	<SRL	U	1	3.34	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	3.34	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	3.34	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240843-56788				240843-56789				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.44				1.67				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.67	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		89%				86%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240843-56790				240843-56791				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.35				1.65				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Propene	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Methanol	<SRL	U	1	6.73	<SRL	U	1	8.27	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Ethanol	<SRL	U	1	2.69	<SRL	U	1	3.31	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Acetone	<SRL	U	1	2.69	4.41		1	3.31	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
2-Propanol (IPA)	<SRL	U	1	2.69	<SRL	U	1	3.31	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Allyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Carbon Disulfide	<SRL	U	1	2.69	<SRL	U	1	3.31	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
2-Butanone (MEK)	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL)	MS-09			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240843-56790				240843-56791				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.35				1.65				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,4-Dioxane	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
2-Hexanone (MBK)	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
m & p-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.65	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.83	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240843-56792				240843-56793				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.50				1.56				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.48	<SRL	U	1	7.80	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Ethanol	3.28		1	2.99	<SRL	U	1	3.12	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Acetone	3.14		1	2.99	4.23		1	3.12	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	3.12	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.12	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240843-56792				240843-56793				
Date Sampled	04/15/2024				04/15/2024				
Date Analyzed	04/16/2024				04/16/2024				
Can Dilution Factor	1.50				1.56				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.78	0.50
BFB-Surrogate Std, % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240843-56794				
Date Sampled	04/15/2024				
Date Analyzed	04/16/2024				
Can Dilution Factor	1.54				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.77	0.50
Methanol	<SRL	U	1	7.69	5.00
1,3-Butadiene	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	3.07	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	3.07	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	2.00
Acrylonitrile	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	3.07	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240843
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/16/2024
DATE REPORTED : 04/17/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240843-56794				
Date Sampled	04/15/2024				
Date Analyzed	04/16/2024				
Can Dilution Factor	1.54				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	0.50
BFB-Surrogate Std, % Recovery		89%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/16/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.15	97
Chlorodifluoromethane	10.30	11.48	111
Propene	10.70	12.16	114
Dichlorodifluoromethane	10.40	10.95	105
Dimethyl Ether	10.20	11.19	110
Chloromethane	10.50	11.36	108
Dichlorotetrafluoroethane	10.20	9.94	97
Vinyl Chloride	10.60	10.87	103
Acetaldehyde	21.00	24.05	115
Methanol	19.00	23.39	123
1,3-Butadiene	10.70	11.68	109
Bromomethane	10.40	10.31	99
Chloroethane	10.40	8.97	86
Dichlorofluoromethane	10.20	9.47	93
Ethanol	11.40	11.53	101
Vinyl Bromide	10.10	10.13	100
Acrolein	10.90	11.65	107
Acetone	10.60	9.93	94
Trichlorofluoromethane	10.50	10.84	103
2-Propanol (IPA)	11.00	12.17	111
Acrylonitrile	11.00	11.20	102
1,1-Dichloroethene	10.50	10.05	96
Methylene Chloride (DCM)	10.40	9.73	94
TertButanol (TBA)	11.10	13.12	118
Allyl Chloride	10.20	10.50	103
Carbon Disulfide	10.50	10.54	100
Trichlorotrifluoroethane	10.30	10.00	97
trans-1,2-Dichloroethene	10.80	10.22	95
1,1-Dichloroethane	10.70	10.72	100
Methyl Tert Butyl Ether (MTBE)	10.70	10.92	102
Vinyl Acetate	11.00	12.86	117
2-Butanone (MEK)	10.70	10.50	98
cis-1,2-Dichloroethene	10.70	10.27	96
Hexane	10.80	10.10	94
Chloroform	10.70	10.44	98
Ethyl Acetate	10.70	11.75	110
Tetrahydrofuran	10.40	9.69	93
1,2-Dichloroethane	10.60	10.55	100
1,1,1-Trichloroethane	10.50	10.66	102
Benzene	10.70	10.47	98
Carbon Tetrachloride	10.30	11.12	108
Cyclohexane	10.50	10.63	101

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.99	103
Bromodichloromethane	10.50	10.81	103
1,4-Dioxane	10.50	10.04	96
Trichloroethene (TCE)	10.50	10.39	99
2,2,4-Trimethylpentane	10.10	10.99	109
Methyl Methacrylate	11.00	11.48	104
Heptane	10.50	10.30	98
cis-1,3-Dichloropropene	10.50	10.79	103
4-Methyl-2-pentanone (MiBK)	10.50	11.05	105
trans-1,3-Dichloropropene	10.60	10.65	100
1,1,2-Trichloroethane	10.60	9.72	92
Toluene	10.80	10.04	93
2-Hexanone (MBK)	10.50	11.57	110
Dibromochloromethane	10.60	10.78	102
1,2-Dibromoethane	10.60	10.22	96
Tetrachloroethene (PCE)	10.50	9.53	91
Chlorobenzene	10.80	9.97	92
Ethylbenzene	10.60	10.17	96
m & p-Xylene	21.20	19.19	91
Bromoform	10.60	10.40	98
Styrene	10.60	10.46	99
1,1,2,2-Tetrachloroethane	10.60	10.03	95
o-Xylene	10.60	10.19	96
1,2,3-Trichloropropane	11.00	10.74	98
Isopropylbenzene (Cumene)	10.40	9.85	95
α-Pinene	10.80	8.52	79
2-Chlorotoluene	10.30	10.15	99
n-Propylbenzene	10.10	9.61	95
4-Ethyltoluene	10.40	9.48	91
1,3,5-Trimethylbenzene	10.30	9.40	91
β-Pinene LR	10.90	7.46	68
1,2,4-Trimethylbenzene	10.30	9.59	93
Benzyl Chloride (a-Chlorotoluene)	10.30	10.57	103
1,3-Dichlorobenzene	10.30	12.42	121
1,4-Dichlorobenzene	10.20	9.73	95
Sec-ButylBenzene	10.10	9.34	92
1,2-Dichlorobenzene	10.40	9.56	92
n-ButylBenzene	10.30	9.73	94
1,2-Dibromo-3-Chloropropane	10.30	9.65	94
1,2,4-Trichlorobenzene	10.50	10.43	99
Naphthalene	10.90	11.60	106
Hexachlorobutadiene	10.80	9.30	86

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/16/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.15	9.12	97	97	0.3
1,1-Dichloroethene	0.0	10.50	10.05	10.07	96	96	0.2
Methylene Chloride (DCM)	0.0	10.40	9.73	9.98	94	96	2.5
Benzene	0.0	10.70	10.47	10.57	98	99	1.0
Trichloroethene (TCE)	0.0	10.50	10.39	10.24	99	98	1.5
Toluene	0.0	10.80	10.04	10.33	93	96	2.8
Tetrachloroethene (PCE)	0.0	10.50	9.53	9.88	91	94	3.6
Chlorobenzene	0.0	10.80	9.97	9.98	92	92	0.1
Ethylbenzene	0.0	10.60	10.17	10.18	96	96	0.1
m & p-Xylene	0.0	21.20	19.19	19.04	91	90	0.8
o-Xylene	0.0	10.60	10.19	10.24	96	97	0.5

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/16/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041624*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	88%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041624*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/16/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.67

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240843-56789

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.10	8.33	2.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	6.98	6.87	1.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	5.16	5.21	1.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone J	3.31	3.36	1.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide J	0.92	0.97	5.3
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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CHAIN OF CUSTODY RECORD 240843

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-day Sulfur	TO-15 Full List			End Pressure	Remarks Canister/Controller
MS-07	4-15/16-24	0735-0735	56788	6L SUMMA CANISTER	X	X			-5HG	001967/03304
MS-12	4-15/16-24	0754-0802	56789	6L SUMMA CANISTER	X	X			-8HG	001969/03288
MS-08	4-15/16-24	0810-0819	56790	6L SUMMA CANISTER	X	X			-12HG	001849/000804
MS-09	4-15/16-24	0825-0836	56791	6L SUMMA CANISTER	X	X			-8HG	002091/05259
MS-10	4-15/16-24	0845-0851	56792	6L SUMMA CANISTER	X	X			-2HG	001847/000885
MS-06	4-15/16-24	0909-0908	56793	6L SUMMA CANISTER	X	X			-4HG	002085/FC740
MS-11	4-15/16-24	0943-0932	56794	6L SUMMA CANISTER	X	X			-4HG	002052/000805

Relinquished by: (Signature)	**Date** 4/16/24	**Time** 1120	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/16/24	**Time** 1121
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240843

Client/Project Name	Project Location
SCS ENGINEERS / CITRUS CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	1,3,7,9 SULFUR					Remarks
MS-07	4-15/16-24	0735-0735	56795	10 Liter Bag	X					
MS-12	4-15/16-24	0754-0802	56796	10 Liter Bag	X					
MS-08	4-15/16-24	0810-0819	56797	10 Liter Bag	X					
MS-09	4-15/16-24	0825-0836	56798	10 Liter Bag	X					
MS-10	4-15/16-24	0845-0851	56799	10 Liter Bag	X					
MS-06	4-15/16-24	0909-0908	56800	10 Liter Bag	X					
MS-11	4-15/16-24	0913-0932	56801	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Guzman	4/16/24	1120			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/16/24	1121
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240843
REPORT DATE : 04/19/2024

On April 16th, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.	Return Pressure (mmHg)
MS-07	240843-56788	704.5	MS-07	240843-56795	N/A
MS-12	240843-56789	607.0	MS-12	240843-56796	N/A
MS-08	240843-56790	755.0	MS-08	240843-56797	N/A
MS-09	240843-56791	616.0	MS-09	240843-56798	N/A
MS-10	240943-56792	679.5	MS-10	240843-56799	N/A
MS-06	240843-56793	657.5	MS-06	240843-56800	N/A
MS-11	240843-56794	660.5	MS-11	240843-56801	N/A

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. 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240843
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/15-16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/18/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240843-56788	240843-56789	240843-56790	240843-56791
Canister Dil. Fac.	1.44	1.67	1.35	1.65
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.007	< 0.008
COS / SO2	< 0.007	< 0.008	< 0.007	< 0.008
Methyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
Ethyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
Dimethyl Sulfide	< 0.007	< 0.008	< 0.007	< 0.008
Carbon Disulfide	< 0.007	< 0.008	< 0.007	< 0.008
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
Methylethylsulfide	< 0.007	< 0.008	< 0.007	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.007	< 0.008
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
Diethyl Sulfide	< 0.007	< 0.008	< 0.007	< 0.008
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.008
Dimethyl Disulfide	< 0.007	< 0.008	< 0.007	< 0.008
2-Methylthiophene	< 0.007	< 0.008	< 0.007	< 0.008
3-Methylthiophene	< 0.007	< 0.008	< 0.007	< 0.008
Tetrahydrothiophene	< 0.007	< 0.008	< 0.007	< 0.008
Bromothiophene	< 0.007	< 0.008	< 0.007	< 0.008
Thiophenol	< 0.007	< 0.008	< 0.007	< 0.008
Diethyl Disulfide	< 0.007	< 0.008	< 0.007	< 0.008
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.007	< 0.008
Total Reduced Sulfurs	< 0.007	< 0.008	< 0.007	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240843
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/15-16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/18/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240943-56792	240843-56793	240843-56794
Canister Dil. Fac.	1.50	1.56	1.54
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.008
COS / SO2	< 0.007	< 0.008	< 0.008
Methyl Mercaptan	< 0.007	< 0.008	< 0.008
Ethyl Mercaptan	< 0.007	< 0.008	< 0.008
Dimethyl Sulfide	< 0.007	< 0.008	< 0.008
Carbon Disulfide	< 0.007	< 0.008	< 0.008
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.008
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.008
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.008
Methylethylsulfide	< 0.007	< 0.008	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.008
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.008
Diethyl Sulfide	< 0.007	< 0.008	< 0.008
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.008
Dimethyl Disulfide	< 0.007	< 0.008	< 0.008
2-Methylthiophene	< 0.007	< 0.008	< 0.008
3-Methylthiophene	< 0.007	< 0.008	< 0.008
Tetrahydrothiophene	< 0.007	< 0.008	< 0.008
Bromothiophene	< 0.007	< 0.008	< 0.008
Thiophenol	< 0.007	< 0.008	< 0.008
Diethyl Disulfide	< 0.007	< 0.008	< 0.008
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.008
Total Reduced Sulfurs	< 0.007	< 0.008	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240843
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/15-16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/16/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240843-56795	240843-56796	240843-56797	240843-56798
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.008**	**0.008**	< 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	**0.008**	**0.008**	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240843
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/15-16/2024
RECEIVING DATE : 04/16/2024
ANALYSIS DATE : 04/16/2024
REPORT DATE : 04/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240843-56799	240843-56800	240843-56801
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	**0.010**
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	**0.010**

All unidentified compound's concentrations expressed in terms of H_2S

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/16/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11216	0.520	101.8	2.8
Duplicate	10623	0.493	96.4	2.6
Triplicate	10897	0.505	98.9	0.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9591	0.517	103.1	4.6
Duplicate	8873	0.479	95.3	3.3
Triplicate	9056	0.489	97.3	1.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12411	0.515	103.6	3.4
Duplicate	11667	0.484	97.4	2.8
Triplicate	11924	0.495	99.6	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.253	0.271	99.0	106.1	6.9
MeSH	<PQL	0.251	0.265	0.268	105.6	106.8	1.1
DMS	<PQL	0.249	0.265	0.269	106.6	108.2	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.511	100.0
MeSH	0.502	0.497	99.0
DMS	0.497	0.486	97.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/18/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10605	0.492	96.2	3.3
Duplicate	11111	0.515	100.8	1.3
Triplicate	11187	0.519	101.5	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8920	0.481	95.9	3.8
Duplicate	9582	0.517	103.0	3.3
Triplicate	9317	0.503	100.1	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12421	0.515	103.7	0.1
Duplicate	12447	0.517	103.9	0.2
Triplicate	12415	0.515	103.7	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240860-56913**

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 **240860-56913 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.235	97.1	92.0	5.4
MeSH	<PQL	0.251	0.245	0.242	97.6	96.4	1.2
DMS	<PQL	0.249	0.257	0.254	103.4	102.2	1.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.475	93.0
MeSH	0.502	0.464	92.4
DMS	0.497	0.456	91.8

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 24-843

Client/Project Name SCS Engineers / Chiquita Canyon Landfill AIR/ODOR Sampling	**Project Location** Valencia, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) Ed. Guzman	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Min Sample	10-15 Min Sample			End Pressure	Remarks Canister/Controller
MS-07	4-15/16-24	0735-0735	56788	6L Summa Canister	X	X			-5HG	001967/03304
MS-12	4-15/16-24	0754-0802	56789	6L Summa Canister	X	X			-8HG	001969/03288
MS-08	4-15/16-24	0810-0819	56790	6L Summa Canister	X	X			-12HG	001849/000804
MS-09	4-15/16-24	0825-0836	56791	6L Summa Canister	X	X			-8HG	002091/05259
MS-10	4-15/16-24	0845-0851	56792	6L Summa Canister	X	X			-2HG	001847/000885
MS-06	4-15/16-24	0909-0908	56793	6L Summa Canister	X	X			-9HG	002085/FC746
MS-11	4-15/16-24	0943-0932	56794	6L Summa Canister	X	X			-4HG	002052/000805

Relinquished by: (Signature) Ed	**Date** 4/16/24	**Time** 1120	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/16/24	**Time** 1121
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

7L canst 7a coated Entech

CHAIN OF CUSTODY RECORD 240843

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	357. 9L SULFUR					Remarks
MS-07	4-15/16-24	0735-0735	56795	10 Liter Bag	X					
MS-12	4-15/16-24	0754-0802	56796	10 Liter Bag	X					
MS-08	4-15/16-24	0810-0819	56797	10 Liter Bag	X					
MS-09	4-15/16-24	0825-0836	56798	10 Liter Bag	X					
MS-10	4-15/16-24	0845-0851	56799	10 Liter Bag	X					
MS-06	4-15/16-24	0909-0908	56800	10 Liter Bag	X					
MS-11	4-15/16-24	0913-0932	56801	10 Liter Bag	X					

	Date	Time		Date	Time
Relinquished by: (Signature)	4/16/24	1120	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/16/24	1121
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240860
REPORT DATE : 04/19/2024

On April 17, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240860-56900	537.5
MS-08	240860-56901	606.0
MS-09	240860-56902	529.5
MS-06	240860-56903	460.5
MS-11	240860-56904	601.0
MS-12	240860-56905	557.0
MS-10	240860-56906	608.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 16 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240860-56900				240860-56901				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.89				1.68				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Dichlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Methanol	<SRL	U	1	9.47	<SRL	U	1	8.41	5.00
1,3-Butadiene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Ethanol	5.22		1	3.79	<SRL	U	1	3.36	2.00
Vinyl Bromide	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Acetone	<SRL	U	1	3.79	3.53		1	3.36	2.00
Trichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	3.79	<SRL	U	1	3.36	2.00
Acrylonitrile	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Allyl Chloride	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Carbon Disulfide	<SRL	U	1	3.79	<SRL	U	1	3.36	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-08			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240860-56900				240860-56901				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.89				1.68				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Trichloroethene (TCE)	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Dibromochloromethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.89	<SRL	U	1	1.68	1.00
Bromoform	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.95	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		89%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240860-56902				240860-56903				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.92				2.21				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Propene	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Dichlorodifluoromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Chloromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Vinyl Chloride	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Methanol	<SRL	U	1	9.60	<SRL	U	1	11.0	5.00
1,3-Butadiene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Bromomethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Chloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Dichlorofluoromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Ethanol	<SRL	U	1	3.84	4.57		1	4.42	2.00
Vinyl Bromide	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Acetone	5.49		1	3.84	4.51		1	4.42	2.00
Trichlorofluoromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
2-Propanol (IPA)	<SRL	U	1	3.84	<SRL	U	1	4.42	2.00
Acrylonitrile	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,1-Dichloroethene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Allyl Chloride	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Carbon Disulfide	<SRL	U	1	3.84	<SRL	U	1	4.42	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,1-Dichloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Vinyl Acetate	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
2-Butanone (MEK)	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Hexane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Chloroform	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Ethyl Acetate	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Tetrahydrofuran	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2-Dichloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Benzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240860-56902				240860-56903				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.92				2.21				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Cyclohexane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2-Dichloropropane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Bromodichloromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,4-Dioxane	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Trichloroethene (TCE)	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Heptane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Toluene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
2-Hexanone (MBK)	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Dibromochloromethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2-Dibromoethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Chlorobenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Ethylbenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
m & p-Xylene	<SRL	U	1	1.92	<SRL	U	1	2.21	1.00
Bromoform	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Styrene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
o-Xylene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
4-Ethyltoluene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
Hexachlorobutadiene	<SRL	U	1	0.96	<SRL	U	1	1.10	0.50
BFB-Surrogate Std. % Recovery		88%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240860-56904				240860-56905				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.69				1.82				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Propene	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Dichlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Chloromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Vinyl Chloride	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Methanol	<SRL	U	1	8.47	<SRL	U	1	9.11	5.00
1,3-Butadiene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Bromomethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Chloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Dichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Ethanol	<SRL	U	1	3.39	3.77		1	3.64	2.00
Vinyl Bromide	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Acetone	3.63		1	3.39	<SRL	U	1	3.64	2.00
Trichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
2-Propanol (IPA)	<SRL	U	1	3.39	<SRL	U	1	3.64	2.00
Acrylonitrile	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,1-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Allyl Chloride	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Carbon Disulfide	<SRL	U	1	3.39	<SRL	U	1	3.64	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,1-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Vinyl Acetate	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
2-Butanone (MEK)	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Hexane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Chloroform	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Ethyl Acetate	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Tetrahydrofuran	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Benzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240860-56904				240860-56905				
Date Sampled	04/16/2024				04/16/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.69				1.82				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Cyclohexane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2-Dichloropropane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Bromodichloromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,4-Dioxane	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Trichloroethene (TCE)	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Heptane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Toluene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
2-Hexanone (MBK)	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Dibromochloromethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2-Dibromoethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Chlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Ethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
m & p-Xylene	<SRL	U	1	1.69	<SRL	U	1	1.82	1.00
Bromoform	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Styrene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
o-Xylene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
4-Ethyltoluene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
Hexachlorobutadiene	<SRL	U	1	0.85	<SRL	U	1	0.91	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240860-56906				
Date Sampled	04/16/2024				
Date Analyzed	04/18/2024				
Can Dilution Factor	1.67				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.67	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.84	0.50
Methanol	<SRL	U	1	8.35	5.00
1,3-Butadiene	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	0.50
Ethanol	4.03		1	3.34	2.00
Vinyl Bromide	<SRL	U	1	0.84	0.50
Acetone	3.74		1	3.34	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	3.34	2.00
Acrylonitrile	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.67	1.00
Allyl Chloride	<SRL	U	1	1.67	1.00
Carbon Disulfide	<SRL	U	1	3.34	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.67	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.84	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240860
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/17/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240860-56906				
Date Sampled	04/16/2024				
Date Analyzed	04/18/2024				
Can Dilution Factor	1.67				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.67	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.67	1.00
Dibromochloromethane	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.67	1.00
Bromoform	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		86%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.07	96
Chlorodifluoromethane	10.30	11.95	116
Propene	10.70	12.15	114
Dichlorodifluoromethane	10.40	11.27	108
Dimethyl Ether	10.20	11.74	115
Chloromethane	10.50	11.33	108
Dichlorotetrafluoroethane	10.20	10.28	101
Vinyl Chloride	10.60	11.30	107
Acetaldehyde	21.00	25.55	122
Methanol	19.00	23.65	124
1,3-Butadiene	10.70	11.88	111
Bromomethane	10.40	10.43	100
Chloroethane	10.40	9.57	92
Dichlorofluoromethane	10.20	10.24	100
Ethanol	11.40	12.32	108
Vinyl Bromide	10.10	10.24	101
Acrolein	10.90	12.35	113
Acetone	10.60	10.10	95
Trichlorofluoromethane	10.50	10.83	103
2-Propanol (IPA)	11.00	12.97	118
Acrylonitrile	11.00	12.26	111
1,1-Dichloroethene	10.50	10.02	95
Methylene Chloride (DCM)	10.40	9.72	93
TertButanol (TBA)	11.10	13.35	120
Allyl Chloride	10.20	10.51	103
Carbon Disulfide	10.50	10.84	103
Trichlorotrifluoroethane	10.30	10.13	98
trans-1,2-Dichloroethene	10.80	10.56	98
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.16	104
Vinyl Acetate	11.00	13.73	125
2-Butanone (MEK)	10.70	10.43	97
cis-1,2-Dichloroethene	10.70	10.07	94
Hexane	10.80	10.32	96
Chloroform	10.70	10.70	100
Ethyl Acetate	10.70	12.34	115
Tetrahydrofuran	10.40	10.02	96
1,2-Dichloroethane	10.60	10.86	102
1,1,1-Trichloroethane	10.50	10.89	104
Benzene	10.70	10.41	97
Carbon Tetrachloride	10.30	11.14	108
Cyclohexane	10.50	10.38	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.08	104
Bromodichloromethane	10.50	11.13	106
1,4-Dioxane	10.50	10.19	97
Trichloroethene (TCE)	10.50	10.33	98
2,2,4-Trimethylpentane	10.10	10.91	108
Methyl Methacrylate	11.00	11.44	104
Heptane	10.50	10.40	99
cis-1,3-Dichloropropene	10.50	10.78	103
4-Methyl-2-pentanone (MiBK)	10.50	11.06	105
trans-1,3-Dichloropropene	10.60	10.84	102
1,1,2-Trichloroethane	10.60	9.96	94
Toluene	10.80	10.18	94
2-Hexanone (MBK)	10.50	11.70	111
Dibromochloromethane	10.60	10.95	103
1,2-Dibromoethane	10.60	10.37	98
Tetrachloroethene (PCE)	10.50	9.65	92
Chlorobenzene	10.80	9.97	92
Ethylbenzene	10.60	10.08	95
m & p-Xylene	21.20	19.04	90
Bromoform	10.60	10.68	101
Styrene	10.60	10.59	100
1,1,2,2-Tetrachloroethane	10.60	10.09	95
o-Xylene	10.60	10.14	96
1,2,3-Trichloropropane	11.00	10.95	100
Isopropylbenzene (Cumene)	10.40	9.87	95
α-Pinene	10.80	9.68	90
2-Chlorotoluene	10.30	10.06	98
n-Propylbenzene	10.10	9.58	95
4-Ethyltoluene	10.40	9.53	92
1,3,5-Trimethylbenzene	10.30	9.44	92
β-Pinene	10.90	8.46	78
1,2,4-Trimethylbenzene	10.30	9.65	94
Benzyl Chloride (a-Chlorotoluene)	10.30	10.73	104
1,3-Dichlorobenzene	10.30	9.82	95
1,4-Dichlorobenzene	10.20	9.68	95
Sec-ButylBenzene	10.10	9.43	93
1,2-Dichlorobenzene	10.40	9.66	93
n-ButylBenzene	10.30	9.90	96
1,2-Dibromo-3-Chloropropane	10.30	10.02	97
1,2,4-Trichlorobenzene	10.50	10.36	99
Naphthalene	10.90	11.85	109
Hexachlorobutadiene	10.80	9.40	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.07	9.13	96	97	0.7
1,1-Dichloroethene	0.0	10.50	10.02	10.22	95	97	2.0
Methylene Chloride (DCM)	0.0	10.40	9.72	9.90	93	95	1.8
Benzene	0.0	10.70	10.41	10.53	97	98	1.1
Trichloroethene (TCE)	0.0	10.50	10.33	10.44	98	99	1.1
Toluene	0.0	10.80	10.18	10.28	94	95	1.0
Tetrachloroethene (PCE)	0.0	10.50	9.65	9.65	92	92	0.0
Chlorobenzene	0.0	10.80	9.97	10.07	92	93	1.0
Ethylbenzene	0.0	10.60	10.08	10.24	95	97	1.6
m & p-Xylene	0.0	21.20	19.04	19.19	90	91	0.8
o-Xylene	0.0	10.60	10.14	10.40	96	98	2.5

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041824*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.67

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240860-56906

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.09	8.26	2.1
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	8.24	8.17	0.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4.03	4.09	1.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.74	3.69	1.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

CHAIN OF CUSTODY RECORD 240860

Client/Project Name SCS ENGINEERS / CIT/QUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 5	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	10-15 Fall List	2nd Pressure	Remarks canister/controller
MS-07	4-16/17-24	0735-0716	56900	6L SUMMA CANISTER	X		-8HG 002071/19504
MS-08	4-16/17-24	0819-0747	56901	6L SUMMA CANISTER	X		-8HG 002095/02323
MS-09	4-16/17-24	0836-0801	56902	6L SUMMA CANISTER	X		-11HG 002056/17582
MS-06	4-16/17-24	0908-0839	56903	6L SUMMA CANISTER	X		-14HG 001922/17588
MS-11	4-16/17-24	0932-0916	56904	6L SUMMA CANISTER	X		-3HG 002062/19508

Relinquished by: (Signature)	**Date** 4/17/24	**Time** 1057	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/17/24	**Time** 1057
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

D/O - 7x cans + 7x regulators

CHAIN OF CUSTODY RECORD 240860

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN Ed	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 SILVER	TO-15 FULL LIST	END PRESSURE	Remarks Canister/Controller
MS-12	4-16/17-24	0802-0734	56905	6L SUMMA CANISTER	X	X		-8HG- 001475/19505
MS-10	4-16/17-24	0851-0817	56906	6L SUMMA CANISTER	X	X		-7HG- 001963/19506

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/17/24	1057			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/17/24	1057
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240860

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN / Ed	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079 SUMMA					Remarks
MS-07	4-16/17-24	0735-0716	56907	10 Liter BAG						
MS-12	4-16/17-24	0802-0734	~~56910~~ 56908	10 Liter BAG						
MS-08	4-16/17-24	0819-0717	~~56911~~ 56909	10 Liter BAG						
MS-09	4-16/17-24	0836-0801	WR ~~56912~~ 56910	10 Liter BAG						
MS-10	4-16/17-24	0851-0817	4/17/24 ~~56913~~ 56911	10 Liter BAG						
MS-06	4-16/17-24	0908-0839	~~56914~~ 56912	10 Liter BAG						
MS-11	4-16/17-24	0932-0916	~~56915~~ 56913	10 Liter BAG						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/17/24	1057			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	4/17/24	1057

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air / Odor Sampling
AAC PROJECT NO. : 240860
REPORT DATE : 04/22/2024

On April 17th 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-12	240860-56905	557.0
MS-10	240860-56906	608.5
MS-07	240860-56907	NA
MS-12	240860-56908	NA
MS-08	240860-56909	NA
MS-09	240860-56910	NA
MS-10	240860-56911	NA
MS-06	240860-56912	NA
MS-11	240860-56913	NA

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240860
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16-17/2024
RECEIVING DATE : 04/17/2024
ANALYSIS DATE : 04/19/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240860-56905	240860-56906
Canister Dil. Fac.	1.9	1.7
Analyte	Result	Result
Hydrogen Sulfide	< 0.009	< 0.008
COS / SO2	< 0.009	< 0.008
Methyl Mercaptan	< 0.009	< 0.008
Ethyl Mercaptan	< 0.009	< 0.008
Dimethyl Sulfide	< 0.009	< 0.008
Carbon Disulfide	< 0.009	< 0.008
Isopropyl Mercaptan	< 0.009	< 0.008
tert-Butyl Mercaptan	< 0.009	< 0.008
n-Propyl Mercaptan	< 0.009	< 0.008
Methylethylsulfide	< 0.009	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.009	< 0.008
iso-Butyl Mercaptan	< 0.009	< 0.008
Diethyl Sulfide	< 0.009	< 0.008
n-Butyl Mercaptan	< 0.009	< 0.008
Dimethyl Disulfide	< 0.009	< 0.008
2-Methylthiophene	< 0.009	< 0.008
3-Methylthiophene	< 0.009	< 0.008
Tetrahydrothiophene	< 0.009	< 0.008
Bromothiophene	< 0.009	< 0.008
Thiophenol	< 0.009	< 0.008
Diethyl Disulfide	< 0.009	< 0.008
Total Unidentified Sulfur	< 0.009	< 0.008
Total Reduced Sulfurs	< 0.009	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240860
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16-17/2024
RECEIVING DATE : 04/17/2024
ANALYSIS DATE : 04/17/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240860-56907	240860-56908	240860-56909	240860-56910
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	**0.010**	**0.012**	**0.010**
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	**0.007**	**0.010**	**0.012**	**0.010**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240860
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/16-17/2024
RECEIVING DATE : 04/17/2024
ANALYSIS DATE : 04/18/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240860-56911	240860-56912	240860-56913
Analyte	Result	Result	Result
Hydrogen Sulfide	**0.007**	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.007**	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/17/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10709	0.497	97.2	2.0
Duplicate	10973	0.509	99.6	0.4
Triplicate	11098	0.515	100.7	1.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9216	0.497	99.0	2.3
Duplicate	9474	0.511	101.8	0.4
Triplicate	9611	0.518	103.3	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12322	0.511	102.9	0.9
Duplicate	12410	0.515	103.6	0.2
Triplicate	12567	0.521	104.9	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.255	0.246	99.8	96.3	3.6
MeSH	<PQL	0.251	0.256	0.266	102.0	106.0	3.8
DMS	<PQL	0.249	0.270	0.273	108.7	109.9	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.509	101.4
DMS	0.497	0.518	104.2

**** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/18/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10605	0.492	96.2	3.3
Duplicate	11111	0.515	100.8	1.3
Triplicate	11187	0.519	101.5	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8920	0.481	95.9	3.8
Duplicate	9582	0.517	103.0	3.3
Triplicate	9317	0.503	100.1	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12421	0.515	103.7	0.1
Duplicate	12447	0.517	103.9	0.2
Triplicate	12415	0.515	103.7	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240860-56913**

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 **240860-56913 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.235	97.1	92.0	5.4
MeSH	<PQL	0.251	0.245	0.242	97.6	96.4	1.2
DMS	<PQL	0.249	0.257	0.254	103.4	102.2	1.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.475	93.0
MeSH	0.502	0.464	92.4
DMS	0.497	0.456	91.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/19/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11369	0.527	103.2	3.2
Duplicate	10977	0.509	99.6	0.3
Triplicate	10687	0.496	97.0	2.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9542	0.515	102.5	1.8
Duplicate	9558	0.516	102.7	2.0
Triplicate	9010	0.486	96.8	3.8

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12501	0.519	104.4	1.3
Duplicate	12555	0.521	104.8	1.7
Triplicate	11976	0.497	100.0	3.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.249	92.0	97.5	5.8
MeSH	<PQL	0.251	0.239	0.251	95.2	100.0	4.9
DMS	<PQL	0.249	0.253	0.265	101.8	106.6	4.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.546	106.8
MeSH	0.502	0.539	107.4
DMS	0.497	0.531	106.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL 50.0 ppbV
MDL 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240860

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS 3/11 CHIQUITA CANYON LNDFL AIR/ORDOR Sampling	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 2	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Day Silsure	TO-15 Full List	450 Pressure	Remarks Canister/Controller
MS-12	4-16/17-24	0802-0734	56905	6L Summa Canister	X	X		-8HG 02975/19505
MS-10	4-16/17-24	0951-0817	56906	6L Summa Canister	X	X		-7HG 02963/19506

Relinquished by: (Signature)	**Date** 4/17/24	**Time** 1057	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/17/24	**Time** 1057
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240860

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C791 SULFUR					Remarks
MS-07	4-16/17-21	0735-0746	56907	10 Liter BAG						
MS-12	4-16/17-21	0802-0734	~~56910~~ 56908	10 Liter BAG						
MS-08	4-16/17-21	0819-0747	~~56911~~ 56909	10 Liter BAG						
MS-09	4-16/17-21	0836-0801	~~56912~~ 56910	10 Liter BAG						
MS-10	4-16/17-21	0851-0817	~~56913~~ 56911	10 Liter BAG						
MS-06	4-16/17-21	0908-0839	~~56914~~ 56912	10 Liter BAG						
MS-11	4-16/17-21	0932-0916	~~56915~~ 56913	10 Liter BAG						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/17/21	1057			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/17/21	1057
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 24086

Client/Project Name	Project Location
SCS ENGINEERS / CITI QUINTA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) E.D. GUZMAN	**(Signature)**
No. Of Containers 5	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				Can/Press Gauge	Remarks Canister/Controller
MS-07	4-16/17-24	0735-0746	56900	6L Summa Canister	X				8HG	002071/19504
MS-08	4-16/17-24	0819-0747	56901	6L Summa Canister	X				8HG	002045/02323
MS-09	4-16/17-24	0836-0804	56902	6L Summa Canister	X				11HG	002056/17582
MS-06	4-16/17-24	0808-0839	56903	6L Summa Canister	X				14HG	001922/17588
MS-11	4-16/17-24	0932-0916	56904	6L Summa Canister	X				3HG	002062/19508

Relinquished by: (Signature)	**Date** 4/17/24	**Time** 1057	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/17/24	**Time** 1057
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Ole - 7x cans +7x coolant tanks

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 240868
REPORT DATE	: 04/19/2024

On April 18, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240868-56922	628.0
MS-08	240868-56923	598.5
MS-09	240868-56924	690.5
MS-06	240868-56925	710.0
MS-11	240868-56926	307.0
MS-12	240868-56927	639.5
MS-10	240868-56928	605.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 16 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56922				240868-56923				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.62				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Dichlorodifluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Chloromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Methanol	10.7		1	8.09	9.28		1	8.48	5.00
1,3-Butadiene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Ethanol	5.18		1	3.24	<SRL	U	1	3.39	2.00
Vinyl Bromide	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Acetone	3.59		1	3.24	3.50		1	3.39	2.00
Trichlorofluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	<SRL	U	1	3.24	<SRL	U	1	3.39	2.00
Acrylonitrile	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Allyl Chloride	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Carbon Disulfide	<SRL	U	1	3.24	<SRL	U	1	3.39	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
2-Butanone (MEK)	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56922				240868-56923				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.62				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Cyclohexane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2-Dichloropropane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Bromodichloromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,4-Dioxane	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Trichloroethene (TCE)	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Heptane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Toluene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
2-Hexanone (MBK)	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Dibromochloromethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2-Dibromoethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Chlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Ethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
m & p-Xylene	<SRL	U	1	1.62	<SRL	U	1	1.70	1.00
Bromoform	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Styrene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
o-Xylene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
4-Ethyltoluene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
Hexachlorobutadiene	<SRL	U	1	0.81	<SRL	U	1	0.85	0.50
BFB-Surrogate Std. % Recovery		90%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56924				240868-56925				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.47				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloromethane	0.96		1	0.74	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methanol	8.63		1	7.35	10.4		1	7.15	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	2.94	7.39		1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Acetone	10.9		1	2.94	6.88		1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56924				240868-56925				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	1.47				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240868-56926				240868-56927				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	3.30				1.59				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	16.5	8.99		1	7.94	5.00
1,3-Butadiene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Ethanol	<SRL	U	1	6.61	4.16		1	3.18	2.00
Vinyl Bromide	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Acetone	<SRL	U	1	6.61	4.21		1	3.18	2.00
Trichlorofluoromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	6.61	<SRL	U	1	3.18	2.00
Acrylonitrile	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	6.61	<SRL	U	1	3.18	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56926				240868-56927				
Date Sampled	04/17/2024				04/17/2024				
Date Analyzed	04/18/2024				04/18/2024				
Can Dilution Factor	3.30				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	3.30	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	1.65	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56928				
Date Sampled	04/17/2024				
Date Analyzed	04/18/2024				
Can Dilution Factor	1.68				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.68	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.84	0.50
Methanol	<SRL	U	1	8.39	5.00
1,3-Butadiene	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	0.50
Ethanol	3.71		1	3.35	2.00
Vinyl Bromide	<SRL	U	1	0.84	0.50
Acetone	3.54		1	3.35	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	3.35	2.00
Acrylonitrile	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.68	1.00
Allyl Chloride	<SRL	U	1	1.68	1.00
Carbon Disulfide	<SRL	U	1	3.35	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.68	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.84	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240868
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/18/2024
DATE REPORTED : 04/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240868-56928				
Date Sampled	04/17/2024				
Date Analyzed	04/18/2024				
Can Dilution Factor	1.68				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.68	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.68	1.00
Dibromochloromethane	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.68	1.00
Bromoform	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		89%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.07	96
Chlorodifluoromethane	10.30	11.95	116
Propene	10.70	12.15	114
Dichlorodifluoromethane	10.40	11.27	108
Dimethyl Ether	10.20	11.74	115
Chloromethane	10.50	11.33	108
Dichlorotetrafluoroethane	10.20	10.28	101
Vinyl Chloride	10.60	11.30	107
Acetaldehyde	21.00	25.55	122
Methanol	19.00	23.65	124
1,3-Butadiene	10.70	11.88	111
Bromomethane	10.40	10.43	100
Chloroethane	10.40	9.57	92
Dichlorofluoromethane	10.20	10.24	100
Ethanol	11.40	12.32	108
Vinyl Bromide	10.10	10.24	101
Acrolein	10.90	12.35	113
Acetone	10.60	10.10	95
Trichlorofluoromethane	10.50	10.83	103
2-Propanol (IPA)	11.00	12.97	118
Acrylonitrile	11.00	12.26	111
1,1-Dichloroethene	10.50	10.02	95
Methylene Chloride (DCM)	10.40	9.72	93
TertButanol (TBA)	11.10	13.35	120
Allyl Chloride	10.20	10.51	103
Carbon Disulfide	10.50	10.84	103
Trichlorotrifluoroethane	10.30	10.13	98
trans-1,2-Dichloroethene	10.80	10.56	98
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.16	104
Vinyl Acetate	11.00	13.73	125
2-Butanone (MEK)	10.70	10.43	97
cis-1,2-Dichloroethene	10.70	10.07	94
Hexane	10.80	10.32	96
Chloroform	10.70	10.70	100
Ethyl Acetate	10.70	12.34	115
Tetrahydrofuran	10.40	10.02	96
1,2-Dichloroethane	10.60	10.86	102
1,1,1-Trichloroethane	10.50	10.89	104
Benzene	10.70	10.41	97
Carbon Tetrachloride	10.30	11.14	108
Cyclohexane	10.50	10.38	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.08	104
Bromodichloromethane	10.50	11.13	106
1,4-Dioxane	10.50	10.19	97
Trichloroethene (TCE)	10.50	10.33	98
2,2,4-Trimethylpentane	10.10	10.91	108
Methyl Methacrylate	11.00	11.44	104
Heptane	10.50	10.40	99
cis-1,3-Dichloropropene	10.50	10.78	103
4-Methyl-2-pentanone (MiBK)	10.50	11.06	105
trans-1,3-Dichloropropene	10.60	10.84	102
1,1,2-Trichloroethane	10.60	9.96	94
Toluene	10.80	10.18	94
2-Hexanone (MBK)	10.50	11.70	111
Dibromochloromethane	10.60	10.95	103
1,2-Dibromoethane	10.60	10.37	98
Tetrachloroethene (PCE)	10.50	9.65	92
Chlorobenzene	10.80	9.97	92
Ethylbenzene	10.60	10.08	95
m & p-Xylene	21.20	19.04	90
Bromoform	10.60	10.68	101
Styrene	10.60	10.59	100
1,1,2,2-Tetrachloroethane	10.60	10.09	95
o-Xylene	10.60	10.14	96
1,2,3-Trichloropropane	11.00	10.95	100
Isopropylbenzene (Cumene)	10.40	9.87	95
α-Pinene	10.80	9.68	90
2-Chlorotoluene	10.30	10.06	98
n-Propylbenzene	10.10	9.58	95
4-Ethyltoluene	10.40	9.53	92
1,3,5-Trimethylbenzene	10.30	9.44	92
β-Pinene	10.90	8.46	78
1,2,4-Trimethylbenzene	10.30	9.65	94
Benzyl Chloride (a-Chlorotoluene)	10.30	10.73	104
1,3-Dichlorobenzene	10.30	9.82	95
1,4-Dichlorobenzene	10.20	9.68	95
Sec-ButylBenzene	10.10	9.43	93
1,2-Dichlorobenzene	10.40	9.66	93
n-ButylBenzene	10.30	9.90	96
1,2-Dibromo-3-Chloropropane	10.30	10.02	97
1,2,4-Trichlorobenzene	10.50	10.36	99
Naphthalene	10.90	11.85	109
Hexachlorobutadiene	10.80	9.40	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.07	9.13	96	97	0.7
1,1-Dichloroethene	0.0	10.50	10.02	10.22	95	97	2.0
Methylene Chloride (DCM)	0.0	10.40	9.72	9.90	93	95	1.8
Benzene	0.0	10.70	10.41	10.53	97	98	1.1
Trichloroethene (TCE)	0.0	10.50	10.33	10.44	98	99	1.1
Toluene	0.0	10.80	10.18	10.28	94	95	1.0
Tetrachloroethene (PCE)	0.0	10.50	9.65	9.65	92	92	0.0
Chlorobenzene	0.0	10.80	9.97	10.07	92	93	1.0
Ethylbenzene	0.0	10.60	10.08	10.24	95	97	1.6
m & p-Xylene	0.0	21.20	19.04	19.19	90	91	0.8
o-Xylene	0.0	10.60	10.14	10.40	96	98	2.5

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 041824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 041824*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/18/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.67

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240860-56906

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.09	8.26	2.1
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	8.24	8.17	0.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4.03	4.09	1.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.74	3.69	1.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				End Pressure	Remarks Canister/Controller
MS-07	4-17/18-24	0716-0716	56922	6L SUMMA CANISTER	X				-6HG-	001972/03103
MS-08	4-17/18-24	0747-0738	56923	6L SUMMA CANISTER	X				-9HG-	002021/03306
MS-09	4-17/18-24	0801-0750	56924	6L SUMMA CANISTER	X				-1HG-	002064/19513
MS-06	4-17/18-24	0839-0825	56925	6L SUMMA CANISTER	X				OHG-	002054/04136
MS-11	4-17/18-24	0916-0850	56926	6L SUMMA CANISTER	X				-9HG-	001839/19512

Relinquished by: (Signature)	**Date** 4/18/24	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/18/24	**Time** 1002
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location
SCS ENGINEERS / CITIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GERMAN	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C79/SULFUR	TO-15 FULL LIST			END PRESSURE	Remarks CANISTER/CONTROLLER
MS-12	4-17/18-24	0734-0727	56927	6L SUMMA CANISTER	X	X			-4 HG	001846/19511
MS-10	4-17/18-24	0817-0803	56928	6L SUMMA CANISTER	X	X			-5 HG	002060/19594

Relinquished by: (Signature)	**Date** 4/19/24	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/18/24	**Time** 1002
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	4-17/18-24	0716-0716	56929	10 LITER BAG	X					
MS-12	4-17/18-24	0734-0727	56930	10 LITER BAG	X					
MS-08	4-17/18-24	0747-0738	56931	10 LITER BAG	X					
MS-09	4-17/18-24	0801-0750	56932	10 LITER BAG	X					
MS-10	4-17/18-24	0817-0803	56933	10 LITER BAG	X					
MS-06	4-17/18-24	0839-0825	56934	10 LITER BAG	X					
MS-11	4-17/18-24	0916-0850	56935	10 LITER BAG	X					

Relinquished by: (Signature) Ed	**Date** 4/18/24	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/18/24	**Time** 1002
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	240868
REPORT DATE	:	04/22/2024

On April 18th, 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.	Return Pressure (mmHg)
MS-12	240868-56927	639.5	MS-09	240868-56932	N/A
MS-10	240868-56928	605.5	MS-10	240868-56933	N/A
MS-07	240868-56929	N/A	MS-06	240868-56934	N/A
MS-12	240868-56930	N/A	MS-11	240868-56935	N/A
MS-08	240868-56931	N/A	-	-	-

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. 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, PhD
Technical Director

This report consists of 9 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240868
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/17-18/2024
RECEIVING DATE : 04/18/2024
ANALYSIS DATE : 04/19/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240868-56927	240868-56928
Canister Dil. Fac.	1.59	1.68
Analyte	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008
COS / SO2	< 0.008	< 0.008
Methyl Mercaptan	< 0.008	< 0.008
Ethyl Mercaptan	< 0.008	< 0.008
Dimethyl Sulfide	< 0.008	< 0.008
Carbon Disulfide	< 0.008	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.008
Methylethylsulfide	< 0.008	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.008
Diethyl Sulfide	< 0.008	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.008
Dimethyl Disulfide	< 0.008	< 0.008
2-Methylthiophene	< 0.008	< 0.008
3-Methylthiophene	< 0.008	< 0.008
Tetrahydrothiophene	< 0.008	< 0.008
Bromothiophene	< 0.008	< 0.008
Thiophenol	< 0.008	< 0.008
Diethyl Disulfide	< 0.008	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.008
Total Reduced Sulfurs	< 0.008	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240868
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/17-18/2024
RECEIVING DATE : 04/18/2024
ANALYSIS DATE : 04/18/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240868-56929	240868-56930	240868-56931	240868-56932
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

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240868
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/17-18/2024
RECEIVING DATE : 04/18/2024
ANALYSIS DATE : 04/18/2024
REPORT DATE : 04/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240868-56933	240868-56934	240868-56935
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/18/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10605	0.492	96.2	3.3
Duplicate	11111	0.515	100.8	1.3
Triplicate	11187	0.519	101.5	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8920	0.481	95.9	3.8
Duplicate	9582	0.517	103.0	3.3
Triplicate	9317	0.503	100.1	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12421	0.515	103.7	0.1
Duplicate	12447	0.517	103.9	0.2
Triplicate	12415	0.515	103.7	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240860-56913**

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 **240860-56913 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.235	97.1	92.0	5.4
MeSH	<PQL	0.251	0.245	0.242	97.6	96.4	1.2
DMS	<PQL	0.249	0.257	0.254	103.4	102.2	1.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.475	93.0
MeSH	0.502	0.464	92.4
DMS	0.497	0.456	91.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/19/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11369	0.527	103.2	3.2
Duplicate	10977	0.509	99.6	0.3
Triplicate	10687	0.496	97.0	2.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9542	0.515	102.5	1.8
Duplicate	9558	0.516	102.7	2.0
Triplicate	9010	0.486	96.8	3.8

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12501	0.519	104.4	1.3
Duplicate	12555	0.521	104.8	1.7
Triplicate	11976	0.497	100.0	3.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.249	92.0	97.5	5.8
MeSH	<PQL	0.251	0.239	0.251	95.2	100.0	4.9
DMS	<PQL	0.249	0.253	0.265	101.8	106.6	4.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.546	106.8
MeSH	0.502	0.539	107.4
DMS	0.497	0.531	106.8

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL 50.0 ppbV
MDL 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 SULFUR					Remarks
MS-07	4-17/18-24	0716 - 0716	56929	10 LITER BAG	X					
MS-12	4-17/18-24	0734 - 0727	56930	10 LITER BAG	X					
MS-08	4-17/18-24	0747 - 0738	56931	10 LITER BAG	X					
MS-09	4-17/18-24	0801 - 0750	56932	10 LITER BAG	X					
MS-10	4-17/18-24	0817 - 0803	56933	10 LITER BAG	X					
MS-06	4-17/18-24	0839 - 0825	56934	10 LITER BAG	X					
MS-11	4-17/18-24	0916 - 0850	56935	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/18/24				
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/18/24	1002
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location
SCS ENGINEERS / CITRUS CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GARCIA	

No. Of Containers: 2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C7 9/Source	TO-15 Full List	End Pressure	Remarks Canister/Controller
MS-12	4-17/18-24	0734-0727	56927	6L SUMMA CANISTER	X	X		-416-01846/19511
MS-10	4-17/18-24	0817-0803	56928	6L SUMMA CANISTER	X	X		-SHG-002060/19594

	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	4/19/24				
Relinquished by: (Signature)					
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/18/24	1032
Sample Disposal Method:			**Disposed of by: (Signature)**		
Sample Collector			**Analytical Laboratory**		

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

AAC VENTURA

CHAIN OF CUSTODY RECORD 240868

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List	E-D Pressure	Remarks canister/controller
MS-07	4-17/18-24	0716-0716	56922	6L Summa Canister	X		6HG-00197 2/03103
MS-08	4-17/18-24	0747-0738	56923	6L Summa Canister	X		9HG-00202 11/03300
MS-09	4-17/18-24	0801-0750	56924	6L Summa Canister	X		1HG-00206 1/19513
MS-06	4-17/18-24	0839-0825	56925	6L Summa Canister	X		OHG-00205 4/04136
MS-11	4-17/18-24	0916-0850	56926	6L Summa Canister	X		9HG-00183 9/19512

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/18/24				
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/18/24	1002
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

7L CNS + 7L control Emptied

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	240900
REPORT DATE	:	04/24/2024

On April 23, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240900-57062	666.5
MS-12	240900-57063	490.5
MS-08	240900-57064	616.0
MS-09	240900-57065	498.5
MS-10	240900-57066	689.5
MS-06	240900-57067	556.0
MS-11	240900-57068	540.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 13 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240900
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/23/2024
DATE REPORTED : 04/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57062				240900-57063				
Date Sampled	04/22/2024				04/22/2024				
Date Analyzed	04/23/2024				04/23/2024				
Can Dilution Factor	1.57				2.07				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Propene	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Methanol	9.85		1	7.83	<SRL	U	1	10.4	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Ethanol	5.59		1	3.13	4.58		1	4.15	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Acetone	4.70		1	3.13	5.02		1	4.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
2-Propanol (IPA)	<SRL	U	1	3.13	<SRL	U	1	4.15	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Allyl Chloride	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Carbon Disulfide	<SRL	U	1	3.13	<SRL	U	1	4.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
2-Butanone (MEK)	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50

Laboratory Analysis Report

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PROJECT NO : 240900
MATRIX : AIR
UNITS : PPB (v/v)

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ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57062				240900-57063				
Date Sampled	04/22/2024				04/22/2024				
Date Analyzed	04/23/2024				04/23/2024				
Can Dilution Factor	1.57				2.07				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,4-Dioxane	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
2-Hexanone (MBK)	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
m & p-Xylene	<SRL	U	1	1.57	<SRL	U	1	2.07	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	1.04	0.50
BFB-Surrogate Std. % Recovery		88%				86%			70-130%

U - Compound was not detected at or above the SRL.

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CLIENT : SCS Engineers
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DATE RECEIVED : 04/23/2024
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ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57066				240900-57067				
Date Sampled	04/22/2024				04/22/2024				
Date Analyzed	04/23/2024				04/23/2024				
Can Dilution Factor	1.48				1.83				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Chloromethane	0.87		1	0.74	<SRL	U	1	0.92	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Methanol	10.0		1	7.38	9.97		1	9.17	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Ethanol	8.47		1	2.95	9.77		1	3.67	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Acetone	4.70		1	2.95	4.38		1	3.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	3.67	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	3.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50

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Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57066				240900-57067				
Date Sampled	04/22/2024				04/22/2024				
Date Analyzed	04/23/2024				04/23/2024				
Can Dilution Factor	1.48				1.83				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.83	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.92	0.50
BFB-Surrogate Std. % Recovery		87%				87%			70-130%

U - Compound was not detected at or above the SRL.

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CLIENT : SCS Engineers
PROJECT NO : 240900
MATRIX : AIR
UNITS : PPB (v/v)

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ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57068				
Date Sampled	04/22/2024				
Date Analyzed	04/23/2024				
Can Dilution Factor	1.88				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.94	0.50
Propene	<SRL	U	1	1.88	1.00
Dichlorodifluoromethane	<SRL	U	1	0.94	0.50
Chloromethane	<SRL	U	1	0.94	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.94	0.50
Vinyl Chloride	<SRL	U	1	0.94	0.50
Methanol	11.8		1	9.39	5.00
1,3-Butadiene	<SRL	U	1	0.94	0.50
Bromomethane	<SRL	U	1	0.94	0.50
Chloroethane	<SRL	U	1	0.94	0.50
Dichlorofluoromethane	<SRL	U	1	0.94	0.50
Ethanol	4.96		1	3.76	2.00
Vinyl Bromide	<SRL	U	1	0.94	0.50
Acetone	4.25		1	3.76	2.00
Trichlorofluoromethane	<SRL	U	1	0.94	0.50
2-Propanol (IPA)	<SRL	U	1	3.76	2.00
Acrylonitrile	<SRL	U	1	0.94	0.50
1,1-Dichloroethene	<SRL	U	1	0.94	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.88	1.00
Allyl Chloride	<SRL	U	1	1.88	1.00
Carbon Disulfide	<SRL	U	1	3.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.94	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.94	0.50
1,1-Dichloroethane	<SRL	U	1	0.94	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.94	0.50
Vinyl Acetate	<SRL	U	1	0.94	0.50
2-Butanone (MEK)	<SRL	U	1	1.88	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.94	0.50
Hexane	<SRL	U	1	0.94	0.50
Chloroform	<SRL	U	1	0.94	0.50
Ethyl Acetate	<SRL	U	1	0.94	0.50
Tetrahydrofuran	<SRL	U	1	0.94	0.50
1,2-Dichloroethane	<SRL	U	1	0.94	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.94	0.50
Benzene	<SRL	U	1	0.94	0.50

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PROJECT NO : 240900
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ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240900-57068				
Date Sampled	04/22/2024				
Date Analyzed	04/23/2024				
Can Dilution Factor	1.88				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.94	0.50
Cyclohexane	<SRL	U	1	0.94	0.50
1,2-Dichloropropane	<SRL	U	1	0.94	0.50
Bromodichloromethane	<SRL	U	1	0.94	0.50
1,4-Dioxane	<SRL	U	1	1.88	1.00
Trichloroethene (TCE)	<SRL	U	1	0.94	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.94	0.50
Heptane	<SRL	U	1	0.94	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.94	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.94	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.94	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.94	0.50
Toluene	<SRL	U	1	0.94	0.50
2-Hexanone (MBK)	<SRL	U	1	1.88	1.00
Dibromochloromethane	<SRL	U	1	0.94	0.50
1,2-Dibromoethane	<SRL	U	1	0.94	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.94	0.50
Chlorobenzene	<SRL	U	1	0.94	0.50
Ethylbenzene	<SRL	U	1	0.94	0.50
m & p-Xylene	<SRL	U	1	1.88	1.00
Bromoform	<SRL	U	1	0.94	0.50
Styrene	<SRL	U	1	0.94	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.94	0.50
o-Xylene	<SRL	U	1	0.94	0.50
4-Ethyltoluene	<SRL	U	1	0.94	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.94	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.94	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.94	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.94	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.94	0.50
Hexachlorobutadiene	<SRL	U	1	0.94	0.50
BFB-Surrogate Std. % Recovery		87%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.22	98
Chlorodifluoromethane	10.30	11.87	115
Propene	10.70	12.25	114
Dichlorodifluoromethane	10.40	11.21	108
Dimethyl Ether	10.20	11.70	115
Chloromethane	10.50	11.47	109
Dichlorotetrafluoroethane	10.20	9.91	97
Vinyl Chloride	10.60	11.00	104
Acetaldehyde	21.00	24.03	114
Methanol	19.00	24.39	128
1,3-Butadiene	10.70	12.07	113
Bromomethane	10.40	10.20	98
Chloroethane	10.40	9.20	88
Dichlorofluoromethane	10.20	10.01	98
Ethanol	11.40	12.75	112
Vinyl Bromide	10.10	9.92	98
Acrolein	10.90	12.34	113
Acetone	10.60	10.65	100
Trichlorofluoromethane	10.50	10.67	102
2-Propanol (IPA)	11.00	13.03	118
Acrylonitrile	11.00	12.56	114
1,1-Dichloroethene	10.50	9.52	91
Methylene Chloride (DCM)	10.40	9.87	95
TertButanol (TBA)	11.10	13.25	119
Allyl Chloride	10.20	10.56	104
Carbon Disulfide	10.50	10.50	100
Trichlorotrifluoroethane	10.30	10.09	98
trans-1,2-Dichloroethene	10.80	10.16	94
1,1-Dichloroethane	10.70	10.83	101
Methyl Tert Butyl Ether (MTBE)	10.70	10.99	103
Vinyl Acetate	11.00	13.92	127
2-Butanone (MEK)	10.70	10.27	96
cis-1,2-Dichloroethene	10.70	10.23	96
Hexane	10.80	9.95	92
Chloroform	10.70	10.41	97
Ethyl Acetate	10.70	12.29	115
Tetrahydrofuran	10.40	9.26	89
1,2-Dichloroethane	10.60	10.77	102
1,1,1-Trichloroethane	10.50	10.73	102
Benzene	10.70	10.47	98
Carbon Tetrachloride	10.30	11.05	107
Cyclohexane	10.50	10.55	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.93	102
Bromodichloromethane	10.50	10.78	103
1,4-Dioxane	10.50	10.43	99
Trichloroethene (TCE)	10.50	10.23	97
2,2,4-Trimethylpentane	10.10	11.01	109
Methyl Methacrylate	11.00	11.53	105
Heptane	10.50	10.33	98
cis-1,3-Dichloropropene	10.50	10.94	104
4-Methyl-2-pentanone (MiBK)	10.50	11.31	108
trans-1,3-Dichloropropene	10.60	11.00	104
1,1,2-Trichloroethane	10.60	10.03	95
Toluene	10.80	10.18	94
2-Hexanone (MBK)	10.50	11.81	112
Dibromochloromethane	10.60	10.86	102
1,2-Dibromoethane	10.60	10.43	98
Tetrachloroethene (PCE)	10.50	9.59	91
Chlorobenzene	10.80	10.23	95
Ethylbenzene	10.60	10.22	96
m & p-Xylene	21.20	19.10	90
Bromoform	10.60	10.37	98
Styrene	10.60	10.57	100
1,1,2,2-Tetrachloroethane	10.60	10.09	95
o-Xylene	10.60	10.25	97
1,2,3-Trichloropropane	11.00	10.96	100
Isopropylbenzene (Cumene)	10.40	9.91	95
α-Pinene	10.80	9.52	88
2-Chlorotoluene	10.30	10.21	99
n-Propylbenzene	10.10	9.78	97
4-Ethyltoluene	10.40	9.52	92
1,3,5-Trimethylbenzene	10.30	9.57	93
β-Pinene	10.90	8.45	78
1,2,4-Trimethylbenzene	10.30	9.77	95
Benzyl Chloride (a-Chlorotoluene)	10.30	10.66	103
1,3-Dichlorobenzene	10.30	9.63	93
1,4-Dichlorobenzene	10.20	9.71	95
Sec-ButylBenzene	10.10	9.50	94
1,2-Dichlorobenzene	10.40	9.74	94
n-ButylBenzene	10.30	9.96	97
1,2-Dibromo-3-Chloropropane	10.30	10.00	97
1,2,4-Trichlorobenzene	10.50	10.61	101
Naphthalene	10.90	11.85	109
Hexachlorobutadiene	10.80	9.42	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.22	9.21	98	98	0.1
1,1-Dichloroethene	0.0	10.50	9.52	10.05	91	96	5.4
Methylene Chloride (DCM)	0.0	10.40	9.87	9.98	95	96	1.1
Benzene	0.0	10.70	10.47	10.50	98	98	0.3
Trichloroethene (TCE)	0.0	10.50	10.23	10.55	97	100	3.1
Toluene	0.0	10.80	10.18	10.36	94	96	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.59	9.81	91	93	2.3
Chlorobenzene	0.0	10.80	10.23	10.13	95	94	1.0
Ethylbenzene	0.0	10.60	10.22	10.19	96	96	0.3
m & p-Xylene	0.0	21.20	19.10	19.14	90	90	0.2
o-Xylene	0.0	10.60	10.25	10.28	97	97	0.3

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/23/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 042324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	88%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 042324*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/23/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x100000

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240797-56566

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.79	8.66	1.5
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4050000	4220000	4.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY RECORD 240900

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	Ed

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C79 / Sulfur	TO-15 Full List	Can Pressure	Remarks Can/Ster/controller
MS-07	4-22/23-24	0732-0737	57062	6L Summa Canister	X	X		6HG 002063/19510
MS-12	4-22/23-24	0749-0754	57063	6L Summa Canister	X	X		12HG 001853/000882
MS-08	4-22/23-24	0759-0803	57064	6L Summa Canister	X	X		5HG 001945/050960
MS-09	4-22/23-24	0813-0816	57065	6L Summa Canister	X	X		11HG 001938/03528
MS-10	4-22/23-24	0831-0830	57066	6L Summa Canister	X	X		0HG 001807/19507
MS-06	4-22/23-24	0849-0852	57067	6L Summa Canister	X	X		8HG 002001/000998
MS-11	4-22/23-24	0916-0916	57068	6L Summa Canister	X	X		8HG 001965/17590

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/23/24	1038			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/23/24	1038
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7a and 7c coated Summas

CHAIN OF CUSTODY RECORD 240900

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN **(Signature)** Ed	**No. Of Containers** 7	307-91 SULFUR

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample							Remarks
MS-07	4-22/23-24	0732-0737	57069	10 Liter BAG	X						
MS-12	4-22/23-24	0749-0754	57070	10 Liter BAG	X						
MS-08	4-22/23-24	0759-0803	57071	10 Liter BAG	X						
MS-09	4-22/23-24	0813-0816	57072	10 Liter BAG	X						
MS-10	4-22/23-24	0831-0830	57073	10 Liter BAG	X						
MS-06	4-22/23-24	0849-0852	57074	10 Liter BAG	X						
MS-11	4-22/23-24	0916-0916	57075	10 LITER BAG	X						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/23/24	1038			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/23/24	1038
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240900
REPORT DATE : 04/29/2024

On April 23rd 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.
MS-07	240900-57062	666.5	MS-07	240900-57069
MS-12	240900-57063	490.5	MS-12	240900-57070
MS-08	240900-57064	616.0	MS-08	240900-57071
MS-09	240900-57065	498.5	MS-09	240900-57072
MS-10	240900-57066	689.5	MS-10	240900-57073
MS-06	240900-57067	556.0	MS-06	240900-57074
MS-11	240900-57068	540.5	MS-11	240900-57075

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. 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240900
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/22-23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/26/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240900-57062	240900-57063	240900-57064	240900-57065
Canister Dil. Fac.	1.6	2.1	1.7	2.0
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.010	< 0.008	< 0.010
COS / SO2	< 0.008	< 0.010	< 0.008	< 0.010
Methyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
Ethyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
Dimethyl Sulfide	< 0.008	< 0.010	< 0.008	< 0.010
Carbon Disulfide	< 0.008	< 0.010	< 0.008	< 0.010
Isopropyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
tert-Butyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
n-Propyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
Methylethylsulfide	< 0.008	< 0.010	< 0.008	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.010	< 0.008	< 0.010
iso-Butyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
Diethyl Sulfide	< 0.008	< 0.010	< 0.008	< 0.010
n-Butyl Mercaptan	< 0.008	< 0.010	< 0.008	< 0.010
Dimethyl Disulfide	< 0.008	< 0.010	< 0.008	< 0.010
2-Methylthiophene	< 0.008	< 0.010	< 0.008	< 0.010
3-Methylthiophene	< 0.008	< 0.010	< 0.008	< 0.010
Tetrahydrothiophene	< 0.008	< 0.010	< 0.008	< 0.010
Bromothiophene	< 0.008	< 0.010	< 0.008	< 0.010
Thiophenol	< 0.008	< 0.010	< 0.008	< 0.010
Diethyl Disulfide	< 0.008	< 0.010	< 0.008	< 0.010
Total Unidentified Sulfur	< 0.008	< 0.010	< 0.008	< 0.010
Total Reduced Sulfurs	< 0.008	< 0.010	< 0.008	< 0.010

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240900
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/22-23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/26/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240900-57066	240900-57067	240900-57068
Canister Dil. Fac.	1.5	1.8	1.9
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.009	< 0.009
COS / SO2	< 0.007	< 0.009	< 0.009
Methyl Mercaptan	< 0.007	< 0.009	< 0.009
Ethyl Mercaptan	< 0.007	< 0.009	< 0.009
Dimethyl Sulfide	< 0.007	< 0.009	< 0.009
Carbon Disulfide	< 0.007	< 0.009	< 0.009
Isopropyl Mercaptan	< 0.007	< 0.009	< 0.009
tert-Butyl Mercaptan	< 0.007	< 0.009	< 0.009
n-Propyl Mercaptan	< 0.007	< 0.009	< 0.009
Methylethylsulfide	< 0.007	< 0.009	< 0.009
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.009	< 0.009
iso-Butyl Mercaptan	< 0.007	< 0.009	< 0.009
Diethyl Sulfide	< 0.007	< 0.009	< 0.009
n-Butyl Mercaptan	< 0.007	< 0.009	< 0.009
Dimethyl Disulfide	< 0.007	< 0.009	< 0.009
2-Methylthiophene	< 0.007	< 0.009	< 0.009
3-Methylthiophene	< 0.007	< 0.009	< 0.009
Tetrahydrothiophene	< 0.007	< 0.009	< 0.009
Bromothiophene	< 0.007	< 0.009	< 0.009
Thiophenol	< 0.007	< 0.009	< 0.009
Diethyl Disulfide	< 0.007	< 0.009	< 0.009
Total Unidentified Sulfur	< 0.007	< 0.009	< 0.009
Total Reduced Sulfurs	< 0.007	< 0.009	< 0.009

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240900
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/22-23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/23/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240900-57069	240900-57070	240900-57071	240900-57072
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240900
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/22-23/2024
RECEIVING DATE : 04/23/2024
ANALYSIS DATE : 04/23/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240900-57073	240900-57074	240900-57075
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/23/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11357	0.527	103.0	1.0
Duplicate	11534	0.535	104.7	2.5
Triplicate	10854	0.503	98.5	3.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9485	0.512	101.9	1.3
Duplicate	9604	0.518	103.2	2.6
Triplicate	9002	0.486	96.7	3.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12429	0.516	103.8	1.0
Duplicate	12488	0.518	104.3	1.5
Triplicate	11990	0.498	100.1	2.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.266	0.271	104.1	106.1	1.9
MeSH	<PQL	0.251	0.259	0.273	103.2	108.8	5.3
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.513	100.4
MeSH	0.502	0.504	100.4
DMS	0.497	0.498	100.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/26/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11281	0.523	102.4	3.8
Duplicate	10789	0.500	97.9	0.8
Triplicate	10544	0.489	95.7	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9562	0.516	102.8	3.3
Duplicate	9208	0.497	98.9	0.5
Triplicate	9006	0.486	96.8	2.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12218	0.507	102.0	1.3
Duplicate	12193	0.506	101.8	1.1
Triplicate	11781	0.489	98.4	2.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.254	0.234	99.4	91.6	8.2
MeSH	<PQL	0.251	0.270	0.247	107.6	98.4	8.9
DMS	<PQL	0.249	0.270	0.257	108.7	103.4	4.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.521	102.0
MeSH	0.502	0.523	104.2
DMS	0.497	0.516	103.8

**** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.***

PQL 50.0 ppbV
MDL 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240900

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED GUZMAN	**(Signature)** Ed
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-91 SULFUR	TO-15 FULL LIST	KNUDSEN PRESSURE	Remarks canister/controller
MS-07	4-22/23-21	0732-0737	57062	6L SUMMA CANISTER	X	X		6HG 002023/19510
MS-12	4-22/23-21	0749-0754	57063	6L SUMMA CANISTER	X	X		12HG 001853/000882
MS-08	4-22/23-21	0759-0803	57064	6L SUMMA CANISTER	X	X		5HG 001945/050960
MS-09	4-22/23-21	0813-0816	57065	6L SUMMA CANISTER	X	X		11HG 001938/03528
MS-10	4-22/23-21	0831-0830	57066	6L SUMMA CANISTER	X	X		0HG 001807/19507
MS-06	4-22/23-21	0849-0852	57067	6L SUMMA CANISTER	X	X		8HG 002001/000998
MS-11	4-22/23-21	0916-0916	57068	6L SUMMA CANISTER	X	X		8HG 001905/17590

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/23/21	1038			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/23/21	1038
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7a cont 7c cont'd

CHAIN OF CUSTODY RECORD 240900

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	28 ppm SULFUR					Remarks
MS-07	4-22/23-24	0732-0737	57069	10 Liter BAG	X					
MS-12	4-22/23-24	0749-0754	57070	10 Liter BAG	X					
MS-08	4-22/23-24	0759-0803	57071	10 Liter BAG	X					
MS-09	4-22/23-24	0813-0816	57072	10 Liter BAG	X					
MS-10	4-22/23-24	0831-0830	57073	10 Liter BAG	X					
MS-06	4-22/23-24	0849-0852	57074	10 Liter BAG	X					
MS-11	4-22/23-24	0910-0916	57075	10 Liter BAG	X					

Relinquished by: (Signature) Ed	**Date** 4/23/24	**Time** 1038	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/24/24	**Time** 1033
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240914
REPORT DATE : 04/26/2024

On April 24, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240914-57221	689.0
MS-08	240914-57222	610.0
MS-09	240914-57223	636.0
MS-06	240914-57224	681.5
MS-11	240914-57225	641.5
MS-12	240914-57226	555.0
MS-10	240914-57227	681.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, PhD
Technical Director

This report consists of 16 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-08			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240914-57221				240914-57222				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.50				1.70				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Methanol	<SRL	U	1	7.48	<SRL	U	1	8.50	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Ethanol	<SRL	U	1	2.99	<SRL	U	1	3.40	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Acetone	<SRL	U	1	2.99	<SRL	U	1	3.40	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	3.40	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.40	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57221				240914-57222				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.50				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.70	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.85	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57223				240914-57224				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.60				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	8.00	9.08		1	7.50	5.00
1,3-Butadiene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethanol	3.46		1	3.20	9.27		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Acetone	4.83		1	3.20	3.86		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.20	<SRL	U	1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.20	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.80	1.44		1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57223				240914-57224				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.60				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.60	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57225				240914-57226				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.59				1.84				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Propene	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Methanol	10.4		1	7.93	<SRL	U	1	9.18	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Ethanol	<SRL	U	1	3.17	<SRL	U	1	3.67	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Acetone	<SRL	U	1	3.17	<SRL	U	1	3.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
2-Propanol (IPA)	<SRL	U	1	3.17	<SRL	U	1	3.67	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Allyl Chloride	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Carbon Disulfide	<SRL	U	1	3.17	<SRL	U	1	3.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
2-Butanone (MEK)	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57225				240914-57226				
Date Sampled	04/23/2024				04/23/2024				
Date Analyzed	04/25/2024				04/25/2024				
Can Dilution Factor	1.59				1.84				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,4-Dioxane	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
2-Hexanone (MBK)	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
m & p-Xylene	<SRL	U	1	1.59	<SRL	U	1	1.84	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.92	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57227				
Date Sampled	04/23/2024				
Date Analyzed	04/25/2024				
Can Dilution Factor	1.49				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	7.46	5.00
1,3-Butadiene	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	0.50
Ethanol	3.49		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.75	0.50
Acetone	3.10		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240914
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/24/2024
DATE REPORTED : 04/26/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240914-57227				
Date Sampled	04/23/2024				
Date Analyzed	04/25/2024				
Can Dilution Factor	1.49				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	0.50
BFB-Surrogate Std, % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/25/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.11	97
Chlorodifluoromethane	10.30	11.77	114
Propene	10.70	12.14	113
Dichlorodifluoromethane	10.40	11.56	111
Dimethyl Ether	10.20	11.68	115
Chloromethane	10.50	11.40	109
Dichlorotetrafluoroethane	10.20	10.35	101
Vinyl Chloride	10.60	11.22	106
Acetaldehyde	21.00	25.90	123
Methanol	19.00	24.17	127
1,3-Butadiene	10.70	12.38	116
Bromomethane	10.40	10.38	100
Chloroethane	10.40	9.99	96
Dichlorofluoromethane	10.20	10.46	103
Ethanol	11.40	12.09	106
Vinyl Bromide	10.10	10.45	103
Acrolein	10.90	12.00	110
Acetone	10.60	10.54	99
Trichlorofluoromethane	10.50	11.21	107
2-Propanol (IPA)	11.00	13.03	118
Acrylonitrile	11.00	12.55	114
1,1-Dichloroethene	10.50	10.02	95
Methylene Chloride (DCM)	10.40	10.14	98
TertButanol (TBA)	11.10	13.56	122
Allyl Chloride	10.20	11.03	108
Carbon Disulfide	10.50	11.36	108
Trichlorotrifluoroethane	10.30	10.40	101
trans-1,2-Dichloroethene	10.80	11.07	103
1,1-Dichloroethane	10.70	10.84	101
Methyl Tert Butyl Ether (MTBE)	10.70	11.35	106
Vinyl Acetate	11.00	14.30	130
2-Butanone (MEK)	10.70	10.63	99
cis-1,2-Dichloroethene	10.70	10.44	98
Hexane	10.80	10.85	100
Chloroform	10.70	10.61	99
Ethyl Acetate	10.70	12.37	116
Tetrahydrofuran	10.40	9.95	96
1,2-Dichloroethane	10.60	10.74	101
1,1,1-Trichloroethane	10.50	11.02	105
Benzene	10.70	10.48	98
Carbon Tetrachloride	10.30	11.18	109
Cyclohexane	10.50	10.24	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.93	102
Bromodichloromethane	10.50	11.17	106
1,4-Dioxane	10.50	10.22	97
Trichloroethene (TCE)	10.50	10.46	100
2,2,4-Trimethylpentane	10.10	10.90	108
Methyl Methacrylate	11.00	11.76	107
Heptane	10.50	10.23	97
cis-1,3-Dichloropropene	10.50	11.07	105
4-Methyl-2-pentanone (MiBK)	10.50	11.21	107
trans-1,3-Dichloropropene	10.60	11.06	104
1,1,2-Trichloroethane	10.60	9.95	94
Toluene	10.80	10.14	94
2-Hexanone (MBK)	10.50	12.02	114
Dibromochloromethane	10.60	11.15	105
1,2-Dibromoethane	10.60	10.48	99
Tetrachloroethene (PCE)	10.50	9.71	92
Chlorobenzene	10.80	10.10	94
Ethylbenzene	10.60	10.22	96
m & p-Xylene	21.20	19.26	91
Bromoform	10.60	10.88	103
Styrene	10.60	10.68	101
1,1,2,2-Tetrachloroethane	10.60	10.20	96
o-Xylene	10.60	10.24	97
1,2,3-Trichloropropane	11.00	11.05	100
Isopropylbenzene (Cumene)	10.40	9.93	95
α-Pinene	10.80	10.58	98
2-Chlorotoluene	10.30	10.05	98
n-Propylbenzene	10.10	9.59	95
4-Ethyltoluene	10.40	9.59	92
1,3,5-Trimethylbenzene	10.30	9.60	93
β-Pinene	10.90	10.42	96
1,2,4-Trimethylbenzene	10.30	9.78	95
Benzyl Chloride (a-Chlorotoluene)	10.30	11.56	112
1,3-Dichlorobenzene	10.30	9.94	97
1,4-Dichlorobenzene	10.20	9.91	97
Sec-ButylBenzene	10.10	9.48	94
1,2-Dichlorobenzene	10.40	9.82	94
n-ButylBenzene	10.30	10.04	97
1,2-Dibromo-3-Chloropropane	10.30	10.48	102
1,2,4-Trichlorobenzene	10.50	10.87	104
Naphthalene	10.90	12.34	113
Hexachlorobutadiene	10.80	9.56	89

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/25/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.11	9.04	97	96	0.8
1,1-Dichloroethene	0.0	10.50	10.02	9.88	95	94	1.4
Methylene Chloride (DCM)	0.0	10.40	10.14	9.99	98	96	1.5
Benzene	0.0	10.70	10.48	10.49	98	98	0.1
Trichloroethene (TCE)	0.0	10.50	10.46	10.52	100	100	0.6
Toluene	0.0	10.80	10.14	10.41	94	96	2.6
Tetrachloroethene (PCE)	0.0	10.50	9.71	9.89	92	94	1.8
Chlorobenzene	0.0	10.80	10.10	10.22	94	95	1.2
Ethylbenzene	0.0	10.60	10.22	10.10	96	95	1.2
m & p-Xylene	0.0	21.20	19.26	19.22	91	91	0.2
o-Xylene	0.0	10.60	10.24	10.31	97	97	0.7

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/25/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 042524*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	88%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 042524*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/25/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.55

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240877-56960

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.28	8.69	4.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	4.57	4.57	0.0
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	10.7	10.4	3.1
Methanol	19.2	19.9	3.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol J	1.99	2.35	16.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	5.44	5.70	4.7
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide J	2.73	2.90	6.1
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	1.91	1.86	2.5
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	1.24	1.24	0.0
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	0.79	0.84	5.7
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

CHAIN OF CUSTODY RECORD 240914

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR ORDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED GUZMAN Ed	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 FULL LIST	2ND PRESSURE	Remarks canister/controller
MS-07	4-23/24-24	0737-0737	57221	6L SUMMA CANISTER	X		-5HG 002102/03111
MS-08	4-23/24-24	0803-0803	57222	6L SUMMA CANISTER	X		-6HG 002055/1FC76
MS-09	4-23/24-24	0816-0816	57223	6L SUMMA CANISTER	X		-7HG 001804/000966
MS-06	4-23/24-24	0852-0852	57224	6L SUMMA CANISTER	X		0HG 002058/19597
MS-11	4-23/24-24	0916-0916	57225	6L SUMMA CANISTER	X		-6HG 002098/03527

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/24/24	1029			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/24/24	1028
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

24 cans + 24 sealed Envelopes

CHAIN OF CUSTODY RECORD 240914

Client/Project Name	Project Location
SCS ENGINEERS/ CIT/QUIMCANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	MOI/SULFUR	TO-15 FULL LIST			END PRESSURE	Remarks canister/controller
MS-12	4-23/24-24	0754-0754	57226	6L SUMMA CANISTER	X	X			-8HG	00203/17587
MS-10	4-23/24-24	0830-0830	57227	6L SUMMA CANISTER	X	X			-5HG	00182B/00710

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/24/24	1029			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/24/24	1028
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240914

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED - GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.4/SULFUR					Remarks
MS-07	4-23/24-24	0737-0737	57228	10 LITER BAG	X					
MS-12	4-23/24-24	0754-0754	57229	10 LITER BAG	X					
MS-08	4-23/24-24	0803-0803	57230	10 LITER BAG	X					
MS-09	4-23/24-24	0816-0816	57231	10 LITER BAG	X					
MS-10	4-23/24-24	0830-0830	57232	10 LITER BAG	X					
MS-06	4-23/24-24	0852-0852	57233	10 LITER BAG	X					
MS-11	4-23/24-24	0916-0916	57234	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-24-24	1029			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time
		4/24/24	1028

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Air/Odor Sampling
AAC PROJECT NO. : 240914
REPORT DATE : 04/29/2024

On April 24, 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-12	240914-57226	555.0
MS-10	240914-57227	681.5
MS-07	240914-57228	NA
MS-12	240914-57229	NA
MS-08	240914-57230	NA
MS-09	240914-54231	NA
MS-10	240914-54232	NA
MS-06	240914-54233	NA
MS-11	240914-54234	NA

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240914
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/23-24/2024
RECEIVING DATE : 04/24/2024
ANALYSIS DATE : 04/24-26/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10	MS-07	MS-12	MS-08
AAC ID	240914-57226	240914-57227	240914-57228	240914-57229	240914-57230
Canister Dil. Fac.	1.8	1.5	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.009	< 0.007	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240914
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/23-24/2024
RECEIVING DATE : 04/24/2024
ANALYSIS DATE : 04/24-25/2024
REPORT DATE : 04/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	240914-54231	240914-54232	240914-54233	240914-54234
Canister Dil. Fac.	NA	NA	NA	NA
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/24/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10922	0.506	99.1	0.6
Duplicate	10571	0.490	95.9	3.8
Triplicate	11465	0.532	104.0	4.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9321	0.503	100.2	0.2
Duplicate	8927	0.482	95.9	4.1
Triplicate	9664	0.521	103.9	3.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12441	0.516	103.9	1.2
Duplicate	12004	0.498	100.2	2.4
Triplicate	12447	0.517	103.9	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.245	0.239	95.9	93.5	2.5
MeSH	<PQL	0.251	0.246	0.248	98.0	98.8	0.8
DMS	<PQL	0.249	0.252	0.250	101.4	100.6	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.530	103.7
MeSH	0.502	0.519	103.4
DMS	0.497	0.507	102.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/25/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11404	0.529	103.5	0.3
Duplicate	11223	0.520	101.8	1.3
Triplicate	11481	0.532	104.2	1.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9433	0.509	101.4	0.5
Duplicate	9631	0.520	103.5	1.6
Triplicate	9382	0.506	100.8	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12521	0.520	104.5	0.1
Duplicate	12511	0.519	104.5	0.0
Triplicate	12503	0.519	104.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.244	0.247	95.5	96.7	1.2
MeSH	<PQL	0.251	0.254	0.265	101.2	105.6	4.2
DMS	<PQL	0.249	0.258	0.268	103.8	107.8	3.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.494	96.7
MeSH	0.502	0.500	99.6
DMS	0.497	0.496	99.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/26/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11281	0.523	102.4	3.8
Duplicate	10789	0.500	97.9	0.8
Triplicate	10544	0.489	95.7	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9562	0.516	102.8	3.3
Duplicate	9208	0.497	98.9	0.5
Triplicate	9006	0.486	96.8	2.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12218	0.507	102.0	1.3
Duplicate	12193	0.506	101.8	1.1
Triplicate	11781	0.489	98.4	2.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.254	0.234	99.4	91.6	8.2
MeSH	<PQL	0.251	0.270	0.247	107.6	98.4	8.9
DMS	<PQL	0.249	0.270	0.257	108.7	103.4	4.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.521	102.0
MeSH	0.502	0.523	104.2
DMS	0.497	0.516	103.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CHAIN OF CUSTODY RECORD 240914

Client/Project Name SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR LORDOE SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED GUZMAN **(Signature)** Ed	**No. Of Containers** 5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				2ND DEGSUAR	Remarks canister/controller
MS-07	4-23/24-24	0737-0737	57221	6LSUMMACANISTER	X					SHG-002102/03111
MS-08	4-23/24-24	0803-0803	57222	6LSUMMACANISTER	X					6HG-002055/FC76
MS-09	4-23/24-24	0816-0816	57223	6LSUMMACANISTER	X					7HG-001804/000966
MS-06	4-23/24-24	0852-0852	57224	6LSUMMACANISTER	X					0HG-002058/19597
MS-11	4-23/24-24	0916-0916	57225	6LSUMMACANISTER	X					6HG-002098/03527

Relinquished by: (Signature) Ed	**Date** 4/24/24	**Time** 1029	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/24/24	**Time** 1028
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7L can + 7L coated Entechs

CHAIN OF CUSTODY RECORD 240914

Client/Project Name	Project Location
SCS ENGINEERS / CITIQUEMCANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN		2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Day Sulfur	To-15 Full List			End Pressure	Remarks canister/controller
MS-12	4-23/24-24	0754-0754	57226	6L Summa Canister	X	X			-8HG	002031/17587
MS-10	4-23/24-24	0830-0830	57227	6L Summa Canister	X	X			-5HG	001829/000710

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Guzman	4/24/24	1029			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				4/24/24	1028

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240914

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-q(SUMMA)					Remarks
MS-07	4-23/24-24	0737-0737	57228	10 LITER BAG	X					
MS-12	4-23/24-24	0754-0754	57229	10 LITER BAG	X					
MS-08	4-23/24-24	0803-0803	57230	10 LITER BAG	X					
MS-09	4-23/24-24	0816-0816	57231	10 LITER BAG	X					
MS-10	4-23/24-24	0830-0830	57232	10 LITER BAG	X					
MS-06	4-23/24-24	0852-0852	57233	10 LITER BAG	X					
MS-11	4-23/24-24	0916-0916	57234	10 LITER BAG	X					

Relinquished by: (Signature)	**Date** 9-24-24	**Time** 1029	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date** 9/24/24	**Time** 1028

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240930
REPORT DATE : 04/29/2024

On April 25, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240930-57289	702.5
MS-08	240930-57290	731.5
MS-09	240930-57291	754.5
MS-06	240930-57292	736.0
MS-11	240930-57293	735.0
MS-12	240930-57294	733.0
MS-10	240930-57295	746.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 16 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57289				240930-57290				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.45				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.72	0.71		1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.25	<SRL	U	1	6.96	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	2.90	<SRL	U	1	2.78	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	2.90	<SRL	U	1	2.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.78	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.78	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57289				240930-57290				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.45				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57291				240930-57292				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.34				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.67	0.71		1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Methanol	7.09		1	6.72	<SRL	U	1	6.91	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Ethanol	3.95		1	2.69	3.69		1	2.76	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Acetone	8.16		1	2.69	<SRL	U	1	2.76	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.69	<SRL	U	1	2.76	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Carbon Disulfide	<SRL	U	1	2.69	<SRL	U	1	2.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57291				240930-57292				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.34				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.38	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		87%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57293				240930-57294				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.39				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.69	0.83		1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Methanol	26.2		1	6.95	<SRL	U	1	7.70	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	2.78	<SRL	U	1	3.08	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	2.78	3.34		1	3.08	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	2.78	<SRL	U	1	3.08	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	2.78	<SRL	U	1	3.08	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57293				240930-57294				
Date Sampled	04/24/2024				04/24/2024				
Date Analyzed	04/26/2024				04/26/2024				
Can Dilution Factor	1.39				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.39	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		89%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57295				
Date Sampled	04/24/2024				
Date Analyzed	04/26/2024				
Can Dilution Factor	1.37				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.37	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	0.50
Chloromethane	0.73		1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.68	0.50
Methanol	<SRL	U	1	6.85	5.00
1,3-Butadiene	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	0.50
Ethanol	<SRL	U	1	2.74	2.00
Vinyl Bromide	<SRL	U	1	0.68	0.50
Acetone	2.88		1	2.74	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	2.74	2.00
Acrylonitrile	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.37	1.00
Allyl Chloride	<SRL	U	1	1.37	1.00
Carbon Disulfide	<SRL	U	1	2.74	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.68	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240930
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 04/25/2024
DATE REPORTED : 04/29/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240930-57295				
Date Sampled	04/24/2024				
Date Analyzed	04/26/2024				
Can Dilution Factor	1.37				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.37	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	1.00
Dibromochloromethane	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.37	1.00
Bromoform	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.14	97
Chlorodifluoromethane	10.30	12.30	119
Propene	10.70	12.86	120
Dichlorodifluoromethane	10.40	11.62	112
Dimethyl Ether	10.20	11.70	115
Chloromethane	10.50	11.76	112
Dichlorotetrafluoroethane	10.20	10.38	102
Vinyl Chloride	10.60	11.72	111
Acetaldehyde	21.00	26.67	127
Methanol	19.00	24.00	126
1,3-Butadiene	10.70	12.91	121
Bromomethane	10.40	10.32	99
Chloroethane	10.40	9.55	92
Dichlorofluoromethane	10.20	9.96	98
Ethanol	11.40	12.78	112
Vinyl Bromide	10.10	10.24	101
Acrolein	10.90	12.54	115
Acetone	10.60	10.55	100
Trichlorofluoromethane	10.50	10.90	104
2-Propanol (IPA)	11.00	13.44	122
Acrylonitrile	11.00	13.04	119
1,1-Dichloroethene	10.50	9.93	95
Methylene Chloride (DCM)	10.40	9.92	95
TertButanol (TBA)	11.10	13.65	123
Allyl Chloride	10.20	10.85	106
Carbon Disulfide	10.50	11.57	110
Trichlorotrifluoroethane	10.30	10.20	99
trans-1,2-Dichloroethene	10.80	10.90	101
1,1-Dichloroethane	10.70	11.00	103
Methyl Tert Butyl Ether (MTBE)	10.70	11.12	104
Vinyl Acetate	11.00	13.49	123
2-Butanone (MEK)	10.70	10.64	99
cis-1,2-Dichloroethene	10.70	10.27	96
Hexane	10.80	9.99	93
Chloroform	10.70	10.60	99
Ethyl Acetate	10.70	12.72	119
Tetrahydrofuran	10.40	10.17	98
1,2-Dichloroethane	10.60	11.26	106
1,1,1-Trichloroethane	10.50	11.04	105
Benzene	10.70	10.51	98
Carbon Tetrachloride	10.30	11.44	111
Cyclohexane	10.50	10.35	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.19	105
Bromodichloromethane	10.50	11.30	108
1,4-Dioxane	10.50	10.23	97
Trichloroethene (TCE)	10.50	10.61	101
2,2,4-Trimethylpentane	10.10	11.26	111
Methyl Methacrylate	11.00	11.74	107
Heptane	10.50	10.24	98
cis-1,3-Dichloropropene	10.50	11.19	107
4-Methyl-2-pentanone (MiBK)	10.50	11.62	111
trans-1,3-Dichloropropene	10.60	11.00	104
1,1,2-Trichloroethane	10.60	9.99	94
Toluene	10.80	10.14	94
2-Hexanone (MBK)	10.50	12.13	116
Dibromochloromethane	10.60	11.37	107
1,2-Dibromoethane	10.60	10.51	99
Tetrachloroethene (PCE)	10.50	9.74	93
Chlorobenzene	10.80	10.12	94
Ethylbenzene	10.60	10.23	97
m & p-Xylene	21.20	19.16	90
Bromoform	10.60	10.96	103
Styrene	10.60	10.70	101
1,1,2,2-Tetrachloroethane	10.60	10.30	97
o-Xylene	10.60	10.19	96
1,2,3-Trichloropropane	11.00	11.08	101
Isopropylbenzene (Cumene)	10.40	9.97	96
α-Pinene	10.80	9.70	90
2-Chlorotoluene	10.30	10.25	100
n-Propylbenzene	10.10	9.70	96
4-Ethyltoluene	10.40	9.61	92
1,3,5-Trimethylbenzene	10.30	9.51	92
β-Pinene	10.90	8.53	78
1,2,4-Trimethylbenzene	10.30	9.75	95
Benzyl Chloride (a-Chlorotoluene)	10.30	11.08	108
1,3-Dichlorobenzene	10.30	9.73	94
1,4-Dichlorobenzene	10.20	9.78	96
Sec-ButylBenzene	10.10	9.51	94
1,2-Dichlorobenzene	10.40	9.73	94
n-ButylBenzene	10.30	10.06	98
1,2-Dibromo-3-Chloropropane	10.30	10.11	98
1,2,4-Trichlorobenzene	10.50	10.13	96
Naphthalene	10.90	11.68	107
Hexachlorobutadiene	10.80	9.40	87

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.14	9.11	97	97	0.3
1,1-Dichloroethene	0.0	10.50	9.93	9.91	95	94	0.2
Methylene Chloride (DCM)	0.0	10.40	9.92	9.92	95	95	0.0
Benzene	0.0	10.70	10.51	10.42	98	97	0.9
Trichloroethene (TCE)	0.0	10.50	10.61	10.30	101	98	3.0
Toluene	0.0	10.80	10.14	10.19	94	94	0.5
Tetrachloroethene (PCE)	0.0	10.50	9.74	9.79	93	93	0.5
Chlorobenzene	0.0	10.80	10.12	10.06	94	93	0.6
Ethylbenzene	0.0	10.60	10.23	10.07	97	95	1.6
m & p-Xylene	0.0	21.20	19.16	18.95	90	89	1.1
o-Xylene	0.0	10.60	10.19	10.20	96	96	0.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/26/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 042624*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 042624*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 04/26/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.37

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240930-57295

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.23	8.36	1.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	0.73	0.70	3.8
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	5.24	4.96	5.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol J	2.23	2.42	8.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	2.88	2.85	1.0
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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CHAIN OF CUSTODY RECORD

GW 4/30/24 240929 240930

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL/ AIR/ORDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	10-15 FULL LIST				END PRESSURE	Remarks canister/controller
MS-07	4-24/25-24	0737-0737	57289	6L SUMMA CANISTER	X				-2HG	002101/000884
MS-08	4-24/25-24	0803-0803	57290	6L SUMMA CANISTER	X				-0HG	002097/17589
MS-09	4-24/25-24	0816-0816	57291	6L SUMMA CANISTER	X				-4HG	001945/000800
MS-06	4-24/25-24	0852-0852	57292	6L SUMMA CANISTER	X				0HG	002103/19596
MS-11	4-24/25-24	0916-0916	57293	6L SUMMA CANISTER	X				-5HG	002108/000805

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	4/25/24	1034	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/25/24	1037
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD

~~240929~~ 240930

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.9/SILVER	TO-15 FULL LIST			END PRESSURE	Remarks canister/controller
MS-12	4-24/25-24	0754-0754	57294	6L SUMMA CANISTER	X	X			-HG	002096/000708
MS-10	4-24/25-24	0830-0830	57295	6L SUMMA CANISTER	X	X			-HG	002089/05259

Relinquished by: (Signature) Ed	**Date** 4/25/24	**Time** 1034	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 4/25/24	**Time** 1037
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240929 240930

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	Ed G

No. Of Containers: 7

ANALYSES: 3074/SULFUR

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3074/SULFUR	Remarks
MS-07	4-24/25-24	0737-0737	57296	10 LITER BAG	X	
MS-12	4-24/25-24	0754-0754	57297	10 LITER BAG	X	
MS-08	4-24/25-24	0803-0803	57298	10 LITER BAG	X	
MS-09	4/24/25-24	0816-0816	57299	10 LITER BAG	X	
MS-10	4-24/25-24	0830-0830	57300	10 LITER BAG	X	
MS-060	4-24/25-24	0852-0852	57301	10 LITER BAG	X	
MS-11	4-24/25-24	0916-0916	57302	10 LITER BAG	X	

	Date	Time		Date	Time
Relinquished by: (Signature) Ed G	4/25/24	1034	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/25/24	1037
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240930
REPORT DATE : 04/30/2024

On April 25th 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-12	240930-57296	733.0
MS-10	240930-57297	746.0
MS-07	240930-57298	NA
MS-12	240930-57299	NA
MS-08	240930-57300	NA
MS-09	240930-57301	NA
MS-10	240930-57302	NA
MS-06	240930-57303	NA
MS-11	240930-57304	NA

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240930
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/24-25/2024
RECEIVING DATE : 04/25/2024
ANALYSIS DATE : 04/29/2024
REPORT DATE : 04/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240930-57294	240930-57295
Canister Dil. Fac.	1.5	1.4
Analyte	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007
COS / SO2	< 0.008	< 0.007
Methyl Mercaptan	< 0.008	< 0.007
Ethyl Mercaptan	< 0.008	< 0.007
Dimethyl Sulfide	< 0.008	< 0.007
Carbon Disulfide	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.007
Methylethylsulfide	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.007
Diethyl Sulfide	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.007
Dimethyl Disulfide	< 0.008	< 0.007
2-Methylthiophene	< 0.008	< 0.007
3-Methylthiophene	< 0.008	< 0.007
Tetrahydrothiophene	< 0.008	< 0.007
Bromothiophene	< 0.008	< 0.007
Thiophenol	< 0.008	< 0.007
Diethyl Disulfide	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.008	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240930
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/24-25/2024
RECEIVING DATE : 04/25/2024
ANALYSIS DATE : 04/25/2024
REPORT DATE : 04/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240930-57296	240930-57297	240930-57298	240930-57299
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240930
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/24-25/2024
RECEIVING DATE : 04/25/2024
ANALYSIS DATE : 04/25/2024
REPORT DATE : 04/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240930-57300	240930-57301	240930-57302
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/25/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11404	0.529	103.5	0.3
Duplicate	11223	0.520	101.8	1.3
Triplicate	11481	0.532	104.2	1.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9433	0.509	101.4	0.5
Duplicate	9631	0.520	103.5	1.6
Triplicate	9382	0.506	100.8	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12521	0.520	104.5	0.1
Duplicate	12511	0.519	104.5	0.0
Triplicate	12503	0.519	104.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.244	0.247	95.5	96.7	1.2
MeSH	<PQL	0.251	0.254	0.265	101.2	105.6	4.2
DMS	<PQL	0.249	0.258	0.268	103.8	107.8	3.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.494	96.7
MeSH	0.502	0.500	99.6
DMS	0.497	0.496	99.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 4/29/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11085	0.514	100.6	0.6
Duplicate	10985	0.509	99.7	1.5
Triplicate	11392	0.528	103.4	2.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9366	0.505	100.7	1.0
Duplicate	9518	0.513	102.3	0.6
Triplicate	9494	0.512	102.0	0.4

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12408	0.515	103.6	0.2
Duplicate	12509	0.519	104.4	0.6
Triplicate	12380	0.514	103.4	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.232	0.233	90.8	91.2	0.4
MeSH	<PQL	0.251	0.242	0.251	96.4	100.0	3.7
DMS	<PQL	0.249	0.258	0.267	103.8	107.4	3.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.491	96.1
MeSH	0.502	0.496	98.8
DMS	0.497	0.493	99.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240427 240930

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR LURDOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 7.9/5 SILVR	TO-15 FULL LIST			W/D PRESSURE	Remarks canister/controller
MS-12	4-24/25-24	0754-0754	57294	6L SUMMA CANISTER	X	X			-24	002096/000708
MS-10	4-24/25-24	0830-0830	57295	6L SUMMA CANISTER	X	X			-14	002089/05259

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	4/25/24	1034	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	4/25/24	1037
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240424 240930

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN	Ed G	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 TO 1 SUMMA					Remarks
MS-07	4-24/25-24	0737-0737	57296	10 LITER BAG	X					
MS-12	4-24/25-24	0754-0754	57297	10 LITER BAG	X					
MS-08	4-24/25-24	0803-0803	57298	10 LITER BAG	X					
MS-09	4/24/25-24	0816-0816	57299	10 LITER BAG	X					
MS-10	4-24/25-24	0830-0830	57300	10 LITER BAG	X					
MS-06	4-24/25-24	0852-0852	57301	10 LITER BAG	X					
MS-11	4-24/25-24	0916-0916	57302	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed G	4/25/24	1034			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			JZ	4/25/24	1037
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240929 240930

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL / AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**

ANALYSES

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN	Ed	5

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	10-15 Fall List				Remarks (canister/controller)
MS-07	4-24/25-24	0737-0737	57289	6L SUMMA CANISTER	X				-24H 002101/000884
MS-08	4-24/25-24	0803-0803	57290	6L SUMMA CANISTER	X				-04H 002097/17589
MS-09	4-24/25-24	0816-0816	57291	6L SUMMA CANISTER	X				-24H 001845/000800
MS-06	4-24/25-24	0852-0852	57292	6L SUMMA CANISTER	X				04H 002103/19586
MS-11	4-24/25-24	0916-0916	57293	6L SUMMA CANISTER	X				-24H 002108/000805

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	4/25/24	1034			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/25/24	1037
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

To out + To cored Enthalpy

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240973
REPORT DATE : 05/03/2024

On May 1, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240973-57542	554.0
MS-08	240973-57543	646.0
MS-09	240973-57544	616.5
MS-06	240973-57545	567.0
MS-11	240973-57546	537.0
MS-12	240973-57547	676.0
MS-10	240973-57548	694.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 17 pages.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57542				240973-57543				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.84				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Dichlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Methanol	12.7		1	9.20	9.54		1	7.88	5.00
1,3-Butadiene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Ethanol	7.45		1	3.68	<SRL	U	1	3.15	2.00
Vinyl Bromide	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Acetone	3.88		1	3.68	<SRL	U	1	3.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.68	<SRL	U	1	3.15	2.00
Acrylonitrile	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Allyl Chloride	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Carbon Disulfide	<SRL	U	1	3.68	<SRL	U	1	3.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57542				240973-57543				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.84				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Trichloroethene (TCE)	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Dibromochloromethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.84	<SRL	U	1	1.58	1.00
Bromoform	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.92	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240973-57544				240973-57545				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.66				1.81				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Propene	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Dichlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Chloromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Vinyl Chloride	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Methanol	11.5		1	8.32	12.4		1	9.03	5.00
1,3-Butadiene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Bromomethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Chloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Dichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Ethanol	<SRL	U	1	3.33	6.72		1	3.61	2.00
Vinyl Bromide	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Acetone	8.30		1	3.33	<SRL	U	1	3.61	2.00
Trichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
2-Propanol (IPA)	<SRL	U	1	3.33	<SRL	U	1	3.61	2.00
Acrylonitrile	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,1-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Allyl Chloride	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Carbon Disulfide	<SRL	U	1	3.33	<SRL	U	1	3.61	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,1-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Vinyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
2-Butanone (MEK)	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Hexane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Chloroform	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Ethyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Tetrahydrofuran	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Benzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57544				240973-57545				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.66				1.81				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Cyclohexane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2-Dichloropropane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Bromodichloromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,4-Dioxane	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Trichloroethene (TCE)	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Heptane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Toluene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
2-Hexanone (MBK)	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Dibromochloromethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2-Dibromoethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Chlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Ethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
m & p-Xylene	<SRL	U	1	1.66	<SRL	U	1	1.81	1.00
Bromoform	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Styrene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
o-Xylene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
4-Ethyltoluene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
Hexachlorobutadiene	<SRL	U	1	0.83	<SRL	U	1	0.90	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57546				240973-57547				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.90				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Methanol	16.2		1	9.49	11.8		1	7.52	5.00
1,3-Butadiene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	3.80	3.28		1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Acetone	3.83		1	3.80	3.10		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.80	<SRL	U	1	3.01	2.00
Acrylonitrile	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.80	<SRL	U	1	3.01	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57546				240973-57547				
Date Sampled	04/30/2024				04/30/2024				
Date Analyzed	05/02/2024				05/02/2024				
Can Dilution Factor	1.90				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.90	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.95	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		87%				88%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57548				
Date Sampled	04/30/2024				
Date Analyzed	05/02/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	12.8		1	7.33	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	4.15		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	4.03		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240973
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/01/2024
DATE REPORTED : 05/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240973-57548				
Date Sampled	04/30/2024				
Date Analyzed	05/02/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		88%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	8.78	93
Chlorodifluoromethane	10.30	12.18	118
Propene	10.70	12.64	118
Dichlorodifluoromethane	10.40	11.18	108
Dimethyl Ether	10.20	12.12	119
Chloromethane	10.50	11.31	108
Dichlorotetrafluoroethane	10.20	10.07	99
Vinyl Chloride	10.60	11.14	105
Acetaldehyde HR	21.00	27.57	131
Methanol	19.00	24.08	127
1,3-Butadiene	10.70	12.62	118
Bromomethane	10.40	9.95	96
Chloroethane	10.40	8.94	86
Dichlorofluoromethane	10.20	9.58	94
Ethanol	11.40	12.70	111
Vinyl Bromide	10.10	9.59	95
Acrolein	10.90	11.98	110
Acetone	10.60	10.58	100
Trichlorofluoromethane	10.50	10.53	100
2-Propanol (IPA)	11.00	13.57	123
Acrylonitrile	11.00	11.79	107
1,1-Dichloroethene	10.50	9.87	94
Methylene Chloride (DCM)	10.40	9.82	94
TertButanol (TBA)	11.10	13.93	125
Allyl Chloride	10.20	10.91	107
Carbon Disulfide	10.50	10.99	105
Trichlorotrifluoroethane	10.30	10.31	100
trans-1,2-Dichloroethene	10.80	10.36	96
1,1-Dichloroethane	10.70	11.10	104
Methyl Tert Butyl Ether (MTBE)	10.70	11.34	106
Vinyl Acetate	11.00	14.03	128
2-Butanone (MEK)	10.70	10.42	97
cis-1,2-Dichloroethene	10.70	10.24	96
Hexane	10.80	9.55	88
Chloroform	10.70	10.28	96
Ethyl Acetate	10.70	12.80	120
Tetrahydrofuran	10.40	9.96	96
1,2-Dichloroethane	10.60	11.09	105
1,1,1-Trichloroethane	10.50	11.16	106
Benzene	10.70	10.68	100
Carbon Tetrachloride	10.30	11.65	113
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.44	107
Bromodichloromethane	10.50	11.73	112
1,4-Dioxane	10.50	10.45	100
Trichloroethene (TCE)	10.50	10.61	101
2,2,4-Trimethylpentane	10.10	11.49	114
Methyl Methacrylate	11.00	11.74	107
Heptane	10.50	10.52	100
cis-1,3-Dichloropropene	10.50	11.09	106
4-Methyl-2-pentanone (MiBK)	10.50	11.80	112
trans-1,3-Dichloropropene	10.60	11.08	105
1,1,2-Trichloroethane	10.60	10.17	96
Toluene	10.80	10.31	95
2-Hexanone (MBK)	10.50	12.61	120
Dibromochloromethane	10.60	11.67	110
1,2-Dibromoethane	10.60	10.80	102
Tetrachloroethene (PCE)	10.50	9.91	94
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.07	95
m & p-Xylene	21.20	19.12	90
Bromoform	10.60	10.53	99
Styrene	10.60	10.04	95
1,1,2,2-Tetrachloroethane	10.60	10.07	95
o-Xylene	10.60	9.69	91
1,2,3-Trichloropropane	11.00	10.76	98
Isopropylbenzene (Cumene)	10.40	9.56	92
α-Pinene	10.80	9.76	90
2-Chlorotoluene	10.30	9.77	95
n-Propylbenzene	10.10	9.20	91
4-Ethyltoluene	10.40	9.21	89
1,3,5-Trimethylbenzene	10.30	9.29	90
β-Pinene	10.90	7.77	71
1,2,4-Trimethylbenzene	10.30	9.43	92
Benzyl Chloride (a-Chlorotoluene)	10.30	10.49	102
1,3-Dichlorobenzene	10.30	10.06	98
1,4-Dichlorobenzene	10.20	9.99	98
Sec-ButylBenzene	10.10	9.02	89
1,2-Dichlorobenzene	10.40	9.69	93
n-ButylBenzene	10.30	10.07	98
1,2-Dibromo-3-Chloropropane	10.30	10.74	104
1,2,4-Trichlorobenzene	10.50	10.64	101
Naphthalene	10.90	11.85	109
Hexachlorobutadiene	10.80	9.30	86

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	8.78	9.20	93	98	4.7
1,1-Dichloroethene	0.0	10.50	9.87	10.41	94	99	5.3
Methylene Chloride (DCM)	0.0	10.40	9.82	10.10	94	97	2.8
Benzene	0.0	10.70	10.68	10.56	100	99	1.1
Trichloroethene (TCE)	0.0	10.50	10.61	10.40	101	99	2.0
Toluene	0.0	10.80	10.31	10.30	95	95	0.1
Tetrachloroethene (PCE)	0.0	10.50	9.91	9.94	94	95	0.3
Chlorobenzene	0.0	10.80	10.03	10.06	93	93	0.3
Ethylbenzene	0.0	10.60	10.07	10.06	95	95	0.1
m & p-Xylene	0.0	21.20	19.12	18.94	90	89	0.9
o-Xylene	0.0	10.60	9.69	10.12	91	95	4.3

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050224*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050224*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

CHAIN OF CUSTODY RECORD 240973

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	10-15 FULL LIST				End Pressure	Remarks Canister / Controller
MS-07	4-30/5-1-24	0712-0715	57542	6L SUMMA CANISTER	X				-8 HG	002007/19504
MS-08	4-30/5-1-24	0737-0739	57543	6L SUMMA CANISTER	X				-3 HG	001862/19511
MS-09	4-30/5-1-24	0749-0752	57544	6L SUMMA CANISTER	X				-6 HG	001978/03103
MS-06	4-30/5-1-24	0819-0823	57545	6L SUMMA CANISTER	X				-8 HG	001992/19505
MS-11	4-30/5-1-24	0845-0852	57546	6L SUMMA CANISTER	X				-8 HG	001982/17590

	Date	Time		Date	Time
Relinquished by: (Signature)	5-1-24	1015	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/1/24	1015
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7d cas + 7d cooled Entechs

CHAIN OF CUSTODY RECORD 240973

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079 SULFUR	TO-15 FULL LIST	(2) PRESSURE	Remarks Canister/Controller
MS-12	4-30/5-1-24	0728-0728	57547	6L SUMMA CANISTER	X	X		6L# 001958/19510
MS-10	4-30/5-1-24	0804-0804	57548	6L SUMMA CANISTER	X	X		6L# 001867/19507

Relinquished by: (Signature) Ed	**Date** 5-1-24	**Time** 1015	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/1/24	**Time** 1015
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CHAIN OF CUSTODY RECORD 240973

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307 91 SULFUR					Remarks
MS-07	4-30/5-1-24	0712-0715	57549	10 Liter BAG	X					
MS-12	4-30/5-1-24	0728-0728	57550	10 Liter BAG	X					
MS-08	4-30/5-1-24	0737-0739	57551	10 Liter BAG	X					
MS-09	4-30/5-1-24	0749-0752	57552	10 Liter BAG	X					
MS-10	4-30/5-1-24	0804-0804	57553	10 Liter BAG	X					
MS-06	4-30/5-1-24	0819-0823	57554	10 Liter BAG	X					
MS-11	4-30/5-1-24	0845-0852	57555	10 Liter BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	5/1/24	1015			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/1/24	1015
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240973
REPORT DATE : 05/06/2024

On May 1st 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-12	240973-57547	676
MS-10	240973-57548	694
MS-07	240973-57549	NA
MS-12	240973-57550	NA
MS-08	240973-57551	NA
MS-09	240973-57552	NA
MS-10	240973-57553	NA
MS-06	240973-57554	NA
MS-11	240973-57555	NA

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240973
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30-05/01/2024
RECEIVING DATE : 05/01/2024
ANALYSIS DATE : 05/03/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240973-57547	240973-57548
Canister Dil. Fac.	1.5	1.5
Analyte	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007
COS / SO2	< 0.008	< 0.007
Methyl Mercaptan	< 0.008	< 0.007
Ethyl Mercaptan	< 0.008	< 0.007
Dimethyl Sulfide	< 0.008	< 0.007
Carbon Disulfide	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.007
Methylethylsulfide	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.007
Diethyl Sulfide	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.007
Dimethyl Disulfide	< 0.008	< 0.007
2-Methylthiophene	< 0.008	< 0.007
3-Methylthiophene	< 0.008	< 0.007
Tetrahydrothiophene	< 0.008	< 0.007
Bromothiophene	< 0.008	< 0.007
Thiophenol	< 0.008	< 0.007
Diethyl Disulfide	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.008	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240973
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30-05/01/2024
RECEIVING DATE : 05/01/2024
ANALYSIS DATE : 05/01/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240973-57549	240973-57550	240973-57551	240973-57552
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240973
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 04/30-05/01/2024
RECEIVING DATE : 05/01/2024
ANALYSIS DATE : 05/02/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240973-57553	240973-57554	240973-57555
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/1/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10762	0.499	97.6	3.6
Duplicate	11229	0.521	101.9	0.6
Triplicate	11500	0.533	104.4	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8860	0.478	95.2	4.6
Duplicate	9399	0.507	101.0	1.2
Triplicate	9592	0.517	103.1	3.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12179	0.505	101.7	1.3
Duplicate	12389	0.514	103.4	0.4
Triplicate	12439	0.516	103.9	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.256	108.0	100.2	7.5
MeSH	<PQL	0.251	0.275	0.258	109.6	102.8	6.4
DMS	<PQL	0.249	0.269	0.263	108.2	105.8	2.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.497	97.3
MeSH	0.502	0.503	100.2
DMS	0.497	0.497	100.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/2/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11390	0.528	103.3	3.7
Duplicate	10913	0.506	99.0	0.7
Triplicate	10658	0.494	96.7	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9563	0.516	102.8	2.1
Duplicate	9568	0.516	102.8	2.2
Triplicate	8960	0.483	96.3	4.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12137	0.504	101.3	0.4
Duplicate	12450	0.517	103.9	2.2
Triplicate	11962	0.496	99.9	1.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240973-57555**

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 **240973-57555 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.235	92.0	92.0	0.0
MeSH	<PQL	0.251	0.236	0.250	94.0	99.6	5.8
DMS	<PQL	0.249	0.251	0.267	101.0	107.4	6.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.473	92.6
MeSH	0.502	0.475	94.6
DMS	0.497	0.467	94.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/3/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10979	0.509	99.6	2.6
Duplicate	10644	0.494	96.6	0.5
Triplicate	10474	0.486	95.0	2.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9080	0.490	97.6	0.9
Duplicate	8911	0.481	95.8	1.0
Triplicate	9006	0.486	96.8	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12006	0.498	100.2	0.7
Duplicate	11938	0.495	99.7	0.1
Triplicate	11821	0.491	98.7	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.248	97.8	97.1	0.8
MeSH	<PQL	0.251	0.267	0.265	106.4	105.6	0.8
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.545	106.7
MeSH	0.502	0.537	107.0
DMS	0.497	0.538	108.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 240973

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. SUZUKA / Ed	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 FULL LIST				END PRESSURE	Remarks canister / controller
MS-07	4-30/5-1-24	0712-0715	57542	6L SUMMA CANISTER	X				8HG	002007/19504
MS-08	4-30/5-1-24	0737-0739	57543	6L SUMMA CANISTER	X				3HG	001862/19511
MS-09	4-30/5-1-24	0749-0752	57544	6L SUMMA CANISTER	X				6HG	001978/03103
MS-06	4-30/5-1-24	0819-0823	57545	6L SUMMA CANISTER	X				8HG	001992/19505
MS-11	4-30/5-1-24	0845-0852	57546	6L SUMMA CANISTER	X				8HG	001982/17590

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	5-1-24	1015			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/1/24	1015
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7L GAS + 7L COATED ENTECHS

CHAIN OF CUSTODY RECORD 240973

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)** Ed
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C79 SULFUR	TO-15 FULL LIST		ED PRESSURE	Remarks Canister/Controller
MS-12	4-30/5-1-24	0728-0728	57547	6L SUMMA CANISTER	X	X			OHC-00195 8/19510
MS-10	4-30/5-1-24	0804-0804	57548	6L SUMMA CANISTER	X	X			OHC-00186 7/19507

Relinquished by: (Signature) Ed	**Date** 5-1-24	**Time** 1015	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/1/24	**Time** 1015
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CHAIN OF CUSTODY RECORD 240973

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN	Ed	7

ANALYSES: 307 g/SUMA

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307 g/SUMA					Remarks
MS-07	4-30/5-1-24	0712-0715	57549	10 Liter Bag	X					
MS-12	4-30/5-1-24	0728-0728	57550	10 Liter Bag	X					
MS-08	4-30/5-1-24	0737-0739	57551	10 Liter Bag	X					
MS-09	4-30/5-1-24	0749-0752	57552	10 Liter Bag	X					
MS-10	4-30/5-1-24	0801-0804	57553	10 Liter Bag	X					
MS-06	4-30/5-1-24	0819-0823	57554	10 Liter Bag	X					
MS-11	4-30/5-1-24	0845-0852	57555	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	5/1/24	1015			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				5/1/24	1015

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

ATTACHMENT D
1-HR AVG. CONTINUOUS BTEX MONITORING DATA

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/1/2024 0:00	--	--	--	--	0.45	101.7	958.4	8.4	89.3	
4/1/2024 1:00	--	--	--	--	0.44	89.8	958.5	8.1	88.3	
4/1/2024 2:00	--	--	--	--	0.57	23.3	958.7	7.9	87.7	
4/1/2024 3:00	--	--	--	--	0.51	24.7	958.8	7.4	87.9	
4/1/2024 4:00	--	--	--	--	0.72	150.6	959.2	7.4	86.1	
4/1/2024 5:00	--	--	--	--	0.89	254.3	959.8	7.3	83.1	
4/1/2024 6:00	--	--	--	--	0.77	189.1	960.5	7.4	81.7	
4/1/2024 7:00	--	--	--	--	1.01	88.3	961.7	9.3	77.1	
4/1/2024 8:00	--	--	--	--	0.93	126.5	962.8	12.3	69.8	
4/1/2024 9:00	--	--	--	--	1.68	104.7	963.4	13.9	61.7	
4/1/2024 10:00	--	--	--	--	2.27	108.2	964	15.4	54.6	
4/1/2024 11:00	--	--	--	--	2.82	94.4	964.5	16.6	46.1	
4/1/2024 12:00	--	--	--	--	2.14	111.2	964.3	18.3	43.4	
4/1/2024 13:00	--	--	--	--	1.94	109.8	964.2	19.4	39.5	
4/1/2024 14:00	--	--	--	--	2.04	104.3	964.2	19.8	35.1	
4/1/2024 15:00	--	--	--	--	1.45	129.3	963.9	20.8	33.2	
4/1/2024 16:00	--	--	--	--	1.29	168.5	963.9	20.8	36	
4/1/2024 17:00	--	--	--	--	3.29	204.7	964.4	18.1	53.4	
4/1/2024 18:00	--	--	--	--	2.16	220.1	965.4	16	58.5	
4/1/2024 19:00	--	--	--	--	1.03	266.6	966.3	13.9	64.7	
4/1/2024 20:00	--	--	--	--	0.98	281.7	967.2	12.8	67.2	
4/1/2024 21:00	--	--	--	--	0.96	287.8	967.8	12.1	67.7	
4/1/2024 22:00	--	--	--	--	0.89	311.7	968.2	12.1	65.2	
4/1/2024 23:00	--	--	--	--	1.1	26.5	968.8	11.5	67.3	
4/2/2024 0:00	--	--	--	--	1.5	42.9	969.2	10.5	70.9	
4/2/2024 1:00	--	--	--	--	1.43	48	969.3	9.9	72	
4/2/2024 2:00	--	--	--	--	1.88	41.6	969.4	9.3	73.6	
4/2/2024 3:00	--	--	--	--	1.56	40.9	969.6	9.1	70.6	
4/2/2024 4:00	--	--	--	--	1.34	9.2	969.8	8.8	71.1	
4/2/2024 5:00	--	--	--	--	0.97	26.8	970.3	8.2	73.5	
4/2/2024 6:00	--	--	--	--	1.24	42.7	970.8	7.8	73.8	
4/2/2024 7:00	--	--	--	--	0.86	54.9	971.7	9.1	71.4	
4/2/2024 8:00	--	--	--	--	1.01	78.7	972.3	11.9	63.9	
4/2/2024 9:00	--	--	--	--	0.97	136.3	972.8	15.6	54.5	
4/2/2024 10:00	--	--	--	--	0.99	178.9	972.8	19.4	49.8	
4/2/2024 11:00	--	--	--	--	1.15	142	972.7	22.5	39.3	
4/2/2024 12:00	--	--	--	--	1.86	121	972.1	23.5	30.9	
4/2/2024 13:00	--	--	--	--	2.12	110.3	971.8	24.2	29.5	
4/2/2024 14:00	--	--	--	--	2.11	108.7	971.4	24.8	28	
4/2/2024 15:00	--	--	--	--	2.1	103.6	970.9	25.2	26.7	
4/2/2024 16:00	--	--	--	--	2.25	134.7	970.7	24.5	32.8	
4/2/2024 17:00	--	--	--	--	2.35	189.8	971.2	21.5	48.7	
4/2/2024 18:00	--	--	--	--	2.3	210	971.5	18.6	51	
4/2/2024 19:00	--	--	--	--	0.95	266	971.9	16.1	56.8	
4/2/2024 20:00	--	--	--	--	1.14	290.3	972.5	15.1	62.8	
4/2/2024 21:00	--	--	--	--	1.18	346.3	972.8	14.2	68.1	
4/2/2024 22:00	--	--	--	--	1.37	10.7	972.9	13.3	71.7	
4/2/2024 23:00	--	--	--	--	1.62	3.1	972.7	12.9	72.8	
4/3/2024 0:00	--	--	--	--	1.53	11.2	972.5	12.5	74.6	
4/3/2024 1:00	--	--	--	--	0.84	2	972.2	11.1	79.1	
4/3/2024 2:00	--	--	--	--	1.34	39.6	971.8	11.4	76.3	
4/3/2024 3:00	--	--	--	--	1.74	23.1	971.5	11.4	73.1	
4/3/2024 4:00	--	--	--	--	1.48	8.8	971.1	10.8	74.1	
4/3/2024 5:00	--	--	--	--	1.15	339.9	970.7	10.3	75.6	
4/3/2024 6:00	--	--	--	--	1.36	41.5	970.6	9.8	75.9	
4/3/2024 7:00	--	--	--	--	0.89	88.8	970.8	11.2	72.5	
4/3/2024 8:00	--	--	--	--	1.23	97.1	970.6	12.9	69	
4/3/2024 9:00	--	--	--	--	0.99	118.5	970.5	16.4	60.7	
4/3/2024 10:00	--	--	--	--	1.03	127.1	970	19.8	48.9	
4/3/2024 11:00	--	--	--	--	1.2	186.7	969.3	22.5	43.7	
4/3/2024 12:00	--	--	--	--	1.95	186.3	968.4	23.7	43.5	
4/3/2024 13:00	--	--	--	--	2.75	204.9	967.5	23.5	41.3	
4/3/2024 14:00	--	--	--	--	2.76	203	966.5	23.4	39.1	
4/3/2024 15:00	--	--	--	--	2.75	195.3	965.8	23	39.3	
4/3/2024 16:00	--	--	--	--	2.63	196.9	965.1	21.9	41.6	
4/3/2024 17:00	--	--	--	--	2.49	204.2	964.7	20.1	47.8	
4/3/2024 18:00	--	--	--	--	1.68	228.7	964.4	17.2	55	
4/3/2024 19:00	--	--	--	--	1.02	284.4	964.1	14.7	61	
4/3/2024 20:00	--	--	--	--	1.08	316	964.1	13.5	65.9	
4/3/2024 21:00	--	--	--	--	0.59	276.3	964.1	11.3	78.5	
4/3/2024 22:00	--	--	--	--	0.6	322	963.7	10.2	85.2	
4/3/2024 23:00	--	--	--	--	0.72	10.2	963	10.3	84.6	
4/4/2024 0:00	--	--	--	--	0.57	329.5	962.6	9.8	84.9	
4/4/2024 1:00	--	--	--	--	0.39	244	962.3	8.3	90.6	
4/4/2024 2:00	--	--	--	--	0.55	186.7	961.7	8.8	92.9	
4/4/2024 3:00	--	--	--	--	0.74	8.1	961.1	8.4	93.3	
4/4/2024 4:00	--	--	--	--	0.5	211.2	960.7	8.7	94	
4/4/2024 5:00	--	--	--	--	0.66	197.6	960.8	8.8	94	
4/4/2024 6:00	--	--	--	--	1.32	346.2	960.6	8.7	94	
4/4/2024 7:00	--	--	--	--	0.7	237.7	960.7	9.2	93.5	
4/4/2024 8:00	--	--	--	--	0.88	191	961	10.1	90.8	
4/4/2024 9:00	--	--	--	--	1.43	204.2	961.3	10.8	82.9	
4/4/2024 10:00	--	--	--	--	1.8	186.3	961.3	11.3	78	
4/4/2024 11:00	--	--	--	--	1.6	167.5	960.8	12.9	68.6	
4/4/2024 12:00	--	--	--	--	2.34	173.2	960.2	13.5	64.5	
4/4/2024 13:00	--	--	--	--	2.48	195.6	959.9	11.8	72.7	
4/4/2024 14:00	--	--	--	--	3.38	198.4	959.7	12.1	72	
4/4/2024 15:00	--	--	--	--	3.48	195.5	959.4	12.6	58.6	
4/4/2024 16:00	--	--	--	--	3.57	194.2	959.3	11.3	61.5	
4/4/2024 17:00	--	--	--	--	3.32	220.2	959.6	8.6	69.1	
4/4/2024 18:00	--	--	--	--	2.07	182	959.4	8.2	67.2	
4/4/2024 19:00	--	--	--	--	2.35	189.7	959.2	7.3	71.5	
4/4/2024 20:00	--	--	--	--	2.71	204.8	959.5	6.5	72.3	
4/4/2024 21:00	--	--	--	--	2.29	212.7	960	6	75	
4/4/2024 22:00	--	--	--	--	1.35	236	960.4	5.4	76.4	

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/4/2024 23:00	--	--	--	--	0.69	239.1	960.5	4.6	79.3	
4/5/2024 0:00	--	--	--	--	1.21	245.6	960.6	4.9	77.2	
4/5/2024 1:00	--	--	--	--	0.77	214.5	960.3	4.6	79.7	
4/5/2024 2:00	--	--	--	--	0.85	185.7	960	4.7	81.4	
4/5/2024 3:00	--	--	--	--	0.38	352.3	959.5	3.9	86.1	
4/5/2024 4:00	--	--	--	--	0.45	201.6	959.1	3.9	86.1	
4/5/2024 5:00	--	--	--	--	0.81	204.2	959.3	4.4	85.7	
4/5/2024 6:00	--	--	--	--	0.48	205.8	959.6	4.1	88.3	
4/5/2024 7:00	--	--	--	--	0.56	189.7	960.1	4.6	87	
4/5/2024 8:00	--	--	--	--	0.77	274.9	960.5	5.7	83.1	
4/5/2024 9:00	--	--	--	--	1.07	199.9	961.2	6.8	81.8	
4/5/2024 10:00	--	--	--	--	1.6	182.1	961.5	9.8	73.2	
4/5/2024 11:00	--	--	--	--	2.14	196.9	961.7	10.3	66.2	
4/5/2024 12:00	--	--	--	--	2.24	212.4	961.4	9.8	64.6	
4/5/2024 13:00	--	--	--	--	1.56	187.5	961.3	6.4	79.2	
4/5/2024 14:00	--	--	--	--	2.24	204.4	961.1	6.9	82.8	
4/5/2024 15:00	--	--	--	--	3.12	196.1	960.5	9.6	75.8	
4/5/2024 16:00	--	--	--	--	3.05	218.1	960.7	8.2	73.4	
4/5/2024 17:00	--	--	--	--	2.32	210.5	960.9	9.4	70	
4/5/2024 18:00	--	--	--	--	2.22	226.1	961.4	7.9	70.6	
4/5/2024 19:00	--	--	--	--	1.56	227.4	962.5	7.1	73.2	
4/5/2024 20:00	--	--	--	--	1.05	13.7	963.3	5.6	71.7	
4/5/2024 21:00	--	--	--	--	0.94	321.6	964.2	4.4	76.2	
4/5/2024 22:00	--	--	--	--	1.29	346.7	965.1	4.3	75.2	
4/5/2024 23:00	--	--	--	--	1.29	347.4	965.7	4.2	75.6	
4/6/2024 0:00	--	--	--	--	0.94	15.2	966.1	3.9	75.8	
4/6/2024 1:00	--	--	--	--	1.35	323.5	966.7	3.8	74.9	
4/6/2024 2:00	--	--	--	--	1.71	319.8	967.5	3.9	74.7	
4/6/2024 3:00	--	--	--	--	0.94	310.6	967.9	3	77.8	
4/6/2024 4:00	--	--	--	--	0.93	20	968.3	2.4	79.7	
4/6/2024 5:00	--	--	--	--	1.75	60.5	968.8	2	79.1	
4/6/2024 6:00	--	--	--	--	1.41	32	969.6	1.8	78.5	
4/6/2024 7:00	--	--	--	--	1.33	59	970.6	2.9	75	
4/6/2024 8:00	--	--	--	--	1.31	97.9	971.5	5.4	68.4	
4/6/2024 9:00	--	--	--	--	0.96	148.1	972	9.5	58.9	
4/6/2024 10:00	--	--	--	--	1.11	159	972.4	12.1	50.2	
4/6/2024 11:00	--	--	--	--	1.28	175.7	972.3	13.8	41.2	
4/6/2024 12:00	--	--	--	--	1.26	159.6	971.8	15.2	37.1	
4/6/2024 13:00	--	--	--	--	1.36	200.9	971.3	16.1	31.3	
4/6/2024 14:00	--	--	--	--	1.85	187.8	970.6	17.1	39.5	
4/6/2024 15:00	--	--	--	--	2.42	199.7	970	16.6	40.6	
4/6/2024 16:00	--	--	--	--	2.5	204	969.6	15.8	46.8	
4/6/2024 17:00	--	--	--	--	2.42	204.7	969.5	14.2	51.9	
4/6/2024 18:00	--	--	--	--	1.69	223.1	969.3	12	59	
4/6/2024 19:00	--	--	--	--	1.25	266.6	969.3	10	61.5	
4/6/2024 20:00	--	--	--	--	0.98	283	969.5	8.8	63.2	
4/6/2024 21:00	--	--	--	--	1.05	297.9	969.6	7.8	66.1	
4/6/2024 22:00	--	--	--	--	0.77	306.6	969.5	6.8	69.2	
4/6/2024 23:00	--	--	--	--	0.91	312.8	969.4	6.3	71.9	
4/7/2024 0:00	--	--	--	--	1.09	29.6	969.2	6.2	74.4	
4/7/2024 1:00	--	--	--	--	1.31	16.9	968.8	5.5	78.1	
4/7/2024 2:00	--	--	--	--	1.29	16.4	968.3	5.3	78.6	
4/7/2024 3:00	--	--	--	--	1.48	46.7	967.9	4.7	79.5	
4/7/2024 4:00	--	--	--	--	1.22	40.6	967.6	4.1	81	
4/7/2024 5:00	--	--	--	--	1.22	34.5	967.6	4	80.3	
4/7/2024 6:00	--	--	--	--	0.84	29.4	967.6	3.8	80.2	
4/7/2024 7:00	--	--	--	--	1.07	54.8	967.9	4.3	78.4	
4/7/2024 8:00	--	--	--	--	1.01	89.4	968	6.2	73.9	
4/7/2024 9:00	--	--	--	--	0.93	122.8	968	10.3	62	
4/7/2024 10:00	--	--	--	--	1.1	135.8	967.8	13.7	53.8	
4/7/2024 11:00	--	--	--	--	1.16	155	967.3	16.4	43.1	
4/7/2024 12:00	--	--	--	--	1.33	179.4	966.5	17.8	40.7	
4/7/2024 13:00	--	--	--	--	1.55	183.9	965.5	19.2	38.9	
4/7/2024 14:00	--	--	--	--	1.83	195.5	964.5	18.9	39	
4/7/2024 15:00	--	--	--	--	2.84	192.6	963.5	18.1	44.4	
4/7/2024 16:00	--	--	--	--	2.45	199.3	963.1	17	50.3	
4/7/2024 17:00	--	--	--	--	2.07	208.7	963	15.3	52.9	
4/7/2024 18:00	--	--	--	--	1.25	231.5	963	13.4	51.9	
4/7/2024 19:00	--	--	--	--	0.78	311.2	962.8	11.4	56.3	
4/7/2024 20:00	--	--	--	--	1.08	329.6	962.7	10.3	53.5	
4/7/2024 21:00	--	--	--	--	1.68	287.3	962.8	10.7	46.6	
4/7/2024 22:00	--	--	--	--	1.19	278.3	962.6	10	49.8	
4/7/2024 23:00	--	--	--	--	1.44	195.3	962.6	9.8	48.6	
4/8/2024 0:00	--	--	--	--	1.5	136.5	962.7	9.8	48.8	
4/8/2024 1:00	--	--	--	--	1.51	127.3	962.7	9.4	47.5	
4/8/2024 2:00	--	--	--	--	1.19	181	962.4	8.6	51.4	
4/8/2024 3:00	--	--	--	--	0.96	214.4	961.9	8.2	56.9	
4/8/2024 4:00	--	--	--	--	1.06	128.9	961.7	8.5	57.9	
4/8/2024 5:00	--	--	--	--	1.2	59.1	961.9	7.1	62.3	
4/8/2024 6:00	--	--	--	--	1.29	90.6	962.5	6.7	63.2	
4/8/2024 7:00	--	--	--	--	1.23	111.9	963.1	8.1	61.3	
4/8/2024 8:00	--	--	--	--	1.74	86.5	963.5	10.7	53.8	
4/8/2024 9:00	--	--	--	--	1.73	101.6	963.9	13.7	48	
4/8/2024 10:00	--	--	--	--	1.08	150.1	963.9	17.7	40.5	
4/8/2024 11:00	--	--	--	--	1.31	166.2	963.6	17.8	36	
4/8/2024 12:00	--	--	--	--	1.73	144	963.3	20.3	30.7	
4/8/2024 13:00	--	--	--	--	1.94	120	963	21.6	26.3	
4/8/2024 14:00	--	--	--	--	2.2	106.9	962.5	22	21.3	
4/8/2024 15:00	--	--	--	--	1.5	151.4	962	22.9	26.2	
4/8/2024 16:00	--	--	--	--	1.6	163.1	962	22.1	28	
4/8/2024 17:00	--	--	--	--	1.64	98.3	962.2	20.7	28.9	
4/8/2024 18:00	--	--	--	--	2.15	257.2	962.6	17.9	34.6	
4/8/2024 19:00	--	--	--	--	1.66	262.4	963.2	15.3	40.6	
4/8/2024 20:00	--	--	--	--	0.77	335.1	963.9	13	45.3	

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/8/2024 21:00	--	--	--	--	0.91	284.8	964.9	12.9	42.9	
4/8/2024 22:00	--	--	--	--	1.03	307.9	965.5	12.7	42.9	
4/8/2024 23:00	--	--	--	--	0.86	301.9	965.8	11.1	50.5	
4/9/2024 0:00	--	--	--	--	1.06	16.4	966.1	10.2	54	
4/9/2024 1:00	--	--	--	--	1.46	43.1	966.3	9.6	56.3	
4/9/2024 2:00	--	--	--	--	1.2	22.4	966.2	8.5	60.8	
4/9/2024 3:00	--	--	--	--	1.26	31.2	966.1	8.2	61.5	
4/9/2024 4:00	--	--	--	--	1.2	329.6	966.1	7.6	63.3	
4/9/2024 5:00	--	--	--	--	1.13	337.3	966.2	7.6	61.4	
4/9/2024 6:00	--	--	--	--	1.88	341.7	966.7	8.7	53.7	
4/9/2024 7:00	--	--	--	--	1.54	35.5	967.5	12.1	42.3	
4/9/2024 8:00	--	--	--	--	1.45	115.9	968.1	15.2	39.8	
4/9/2024 9:00	--	--	--	--	1.61	149	968.2	18.2	35.7	
4/9/2024 10:00	--	--	--	--	2.55	93.5	968.3	20.2	24.1	
4/9/2024 11:00	--	--	--	--	2.63	111.4	968	21.6	22.7	
4/9/2024 12:00	--	--	--	--	2.48	89.4	967.6	22.6	21.4	
4/9/2024 13:00	--	--	--	--	2.38	103.9	966.9	23.5	21.7	
4/9/2024 14:00	--	--	--	--	1.98	104	966.4	24.4	19.9	
4/9/2024 15:00	--	--	--	--	1.94	100.2	965.6	24.7	19.4	
4/9/2024 16:00	--	--	--	--	1.1	133.7	965.2	25.5	20.9	
4/9/2024 17:00	--	--	--	--	1.93	214.9	965.1	23.7	25.5	
4/9/2024 18:00	--	--	--	--	1.43	238.3	965.5	20.7	28.8	
4/9/2024 19:00	--	--	--	--	1	289.3	965.9	18.4	31	
4/9/2024 20:00	--	--	--	--	1.14	293.8	966.7	17.8	30.6	
4/9/2024 21:00	--	--	--	--	1.07	344.8	967.2	15.7	38	
4/9/2024 22:00	--	--	--	--	1.15	22.7	967.4	15.3	40.5	
4/9/2024 23:00	--	--	--	--	1.74	53.2	967.2	14.1	46.7	
4/10/2024 0:00	--	--	--	--	1.7	37.3	967	12.9	48.5	
4/10/2024 1:00	--	--	--	--	1.46	28	966.8	12	50.3	
4/10/2024 2:00	--	--	--	--	1.33	40	966.6	11.9	48.9	
4/10/2024 3:00	--	--	--	--	1.29	38.4	966.4	11.2	52.1	
4/10/2024 4:00	--	--	--	--	1.09	20.9	966.1	10.8	53.3	
4/10/2024 5:00	--	--	--	--	1.18	25.9	966.1	10.4	55.2	
4/10/2024 6:00	--	--	--	--	0.91	21.6	966.4	9.7	56.5	
4/10/2024 7:00	--	--	--	--	1.27	69.5	966.8	11.5	54.1	
4/10/2024 8:00	--	--	--	--	1.06	97.3	967.1	14.8	48	
4/10/2024 9:00	--	--	--	--	0.94	140	967	19.1	40.9	
4/10/2024 10:00	--	--	--	--	0.91	158.4	966.9	22.7	36.4	
4/10/2024 11:00	--	--	--	--	1.09	175.6	966.7	26.1	31.2	
4/10/2024 12:00	--	--	--	--	1.15	157.8	966.3	27.7	23.6	
4/10/2024 13:00	--	--	--	--	1.26	174.9	965.6	29.3	22.6	
4/10/2024 14:00	--	--	--	--	1.93	196.4	964.9	29.2	26.7	
4/10/2024 15:00	--	--	--	--	2.45	197.8	964.3	27.9	32.5	
4/10/2024 16:00	--	--	--	--	2.29	196.2	963.8	26.8	33.6	
4/10/2024 17:00	--	--	--	--	1.75	211.3	963.6	25.5	36.2	
4/10/2024 18:00	--	--	--	--	1.17	245.2	963.6	22.5	41	
4/10/2024 19:00	--	--	--	--	1.07	294.1	963.7	19.9	46.7	
4/10/2024 20:00	--	--	--	--	1.15	298	964.2	19	47	
4/10/2024 21:00	--	--	--	--	0.9	332.1	964.8	15.7	57.8	
4/10/2024 22:00	--	--	--	--	1.15	3.9	964.8	15.9	56.3	
4/10/2024 23:00	--	--	--	--	1.69	27	964.6	16.4	53	
4/11/2024 0:00	--	--	--	--	1.13	11.4	964.4	14.9	57.9	
4/11/2024 1:00	--	--	--	--	1.44	40.5	964	14.9	55.8	
4/11/2024 2:00	--	--	--	--	1.49	17.2	963.6	14.2	57.1	
4/11/2024 3:00	--	--	--	--	1.63	14.7	963.2	13.8	58.3	
4/11/2024 4:00	--	--	--	--	1.59	15.3	962.7	13.5	59.1	
4/11/2024 5:00	--	--	--	--	1.66	8.8	962.6	12.6	59.6	
4/11/2024 6:00	--	--	--	--	1.65	29.4	962.7	12.6	59.2	
4/11/2024 7:00	--	--	--	--	1.12	55.9	962.8	13.3	62.3	
4/11/2024 8:00	--	--	--	--	1.03	104.3	962.7	16.5	53.4	
4/11/2024 9:00	--	--	--	--	0.92	100.4	962.4	19.9	48	
4/11/2024 10:00	--	--	--	--	0.95	170.5	962.1	23.4	42.9	
4/11/2024 11:00	--	--	--	--	1.14	184.2	961.4	27.4	36	
4/11/2024 12:00	--	--	--	--	1.21	180.9	960.7	29.6	28.9	
4/11/2024 13:00	--	--	--	--	1.58	167.9	959.8	30.5	27.4	
4/11/2024 14:00	--	--	--	--	2.54	197.4	959.2	29.2	38	
4/11/2024 15:00	--	--	--	--	2.64	195.1	958.7	28.1	38.2	
4/11/2024 16:00	--	--	--	--	2.38	196.1	958.4	26.8	36.3	
4/11/2024 17:00	--	--	--	--	1.64	223.2	958.2	25.4	34.7	
4/11/2024 18:00	--	--	--	--	1.3	239.1	958	22.8	37.1	
4/11/2024 19:00	--	--	--	--	1.47	304.2	957.8	21.1	39.7	
4/11/2024 20:00	--	--	--	--	0.78	306.5	958.2	18	56.6	
4/11/2024 21:00	--	--	--	--	0.56	340.9	958.6	15.7	69.2	
4/11/2024 22:00	--	--	--	--	0.62	315.4	958.7	14.7	71.3	
4/11/2024 23:00	--	--	--	--	1.49	17	958.7	14.9	66.7	
4/12/2024 0:00	--	--	--	--	1.58	34.8	958.5	15.2	60.5	
4/12/2024 1:00	--	--	--	--	1.19	311	958.4	13.4	68.9	
4/12/2024 2:00	--	--	--	--	0.43	328	958.2	10	85.9	
4/12/2024 3:00	--	--	--	--	0.35	294.2	958	9.4	92	
4/12/2024 4:00	--	--	--	--	0.71	21.7	957.8	8.8	93	
4/12/2024 5:00	--	--	--	--	0.93	44	957.4	8.4	93.1	
4/12/2024 6:00	--	--	--	--	1.25	22	957.5	9	85.9	
4/12/2024 7:00	--	--	--	--	0.54	102.3	957.9	10.7	83.4	
4/12/2024 8:00	--	--	--	--	0.9	170.9	958.6	12.6	79	
4/12/2024 9:00	--	--	--	--	1.18	167	959.2	15.7	71.4	
4/12/2024 10:00	--	--	--	--	1.59	177.3	959.9	17.5	66.1	
4/12/2024 11:00	--	--	--	--	1.59	181.2	960.1	18.7	61.7	
4/12/2024 12:00	--	--	--	--	2.38	196.7	960.2	19.6	58.5	
4/12/2024 13:00	--	--	--	--	2.72	186.8	960.7	19.4	57.4	
4/12/2024 14:00	--	--	--	--	2.85	197.6	961.4	18.2	59	
4/12/2024 15:00	--	--	--	--	1.92	183.1	961.7	17.4	59.9	
4/12/2024 16:00	--	--	--	--	1.48	162.1	961.9	16	63.5	
4/12/2024 17:00	--	--	--	--	1.28	164	962.3	15.8	64.2	
4/12/2024 18:00	--	--	--	--	1.26	148.3	962.5	14.1	67	

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/12/2024 19:00	--	--	--	--	0.95	147.7	962.6	12.7	70.7	
4/12/2024 20:00	--	--	--	--	0.89	149.4	962.9	12.4	70.9	
4/12/2024 21:00	--	--	--	--	1.27	199.9	963.5	12	73.9	
4/12/2024 22:00	--	--	--	--	1.24	201.7	963.7	11.7	74.9	
4/12/2024 23:00	--	--	--	--	1.04	190.3	963.8	11.6	75.4	
4/13/2024 0:00	--	--	--	--	1.34	189.4	964.1	11.3	75.5	
4/13/2024 1:00	--	--	--	--	1.56	198.9	964.1	10.9	74.1	
4/13/2024 2:00	--	--	--	--	1.45	204.3	963.9	10.8	73.9	
4/13/2024 3:00	--	--	--	--	1.45	204	964	10.8	73.6	
4/13/2024 4:00	--	--	--	--	1.32	190.3	964	10.8	71.4	
4/13/2024 5:00	--	--	--	--	0.64	214.4	963.7	10.6	72.1	
4/13/2024 6:00	--	--	--	--	0.6	218.6	963.9	10.5	74.5	
4/13/2024 7:00	--	--	--	--	0.55	197.3	964.3	10.6	76.7	
4/13/2024 8:00	--	--	--	--	1.03	157.2	964.5	11.6	72.2	
4/13/2024 9:00	--	--	--	--	1.65	157.2	964.8	12.8	65.7	
4/13/2024 10:00	--	--	--	--	1.85	166.2	965.1	13.8	62	
4/13/2024 11:00	--	--	--	--	1.86	150.7	965.2	14	61.6	
4/13/2024 12:00	--	--	--	--	1.73	157.1	964.8	14.7	61.3	
4/13/2024 13:00	--	--	--	--	1.84	149.3	964.3	13.8	63.9	
4/13/2024 14:00	--	--	--	--	1.91	150.4	963.8	13.3	68.8	
4/13/2024 15:00	--	--	--	--	1.71	166.1	963.4	12.1	79.2	
4/13/2024 16:00	--	--	--	--	2.14	178.6	963.5	10.3	89.6	
4/13/2024 17:00	--	--	--	--	3.94	210.7	963.7	7.1	88	
4/13/2024 18:00	--	--	--	--	2.09	248.5	964.1	7	86.3	
4/13/2024 19:00	--	--	--	--	1.83	92.4	964.2	6.6	86.6	
4/13/2024 20:00	--	--	--	--	0.88	84.2	964.6	5.6	87.2	
4/13/2024 21:00	--	--	--	--	1.82	335.9	965.3	5.3	88.3	
4/13/2024 22:00	--	--	--	--	1.36	350.4	965.5	5.2	87.2	
4/13/2024 23:00	--	--	--	--	1.29	325.5	965.6	4.6	87.8	
4/14/2024 0:00	--	--	--	--	0.97	330.2	965.8	4.5	87.2	
4/14/2024 1:00	--	--	--	--	0.64	317.5	966	3.8	90.7	
4/14/2024 2:00	--	--	--	--	0.95	62.5	966	4.2	91.7	
4/14/2024 3:00	--	--	--	--	0.67	118.8	966.1	4.7	91	
4/14/2024 4:00	--	--	--	--	0.57	207.9	966.2	4.8	92.1	
4/14/2024 5:00	--	--	--	--	0.86	263.6	966.4	5.3	92.9	
4/14/2024 6:00	--	--	--	--	1.12	331.2	966.9	5.6	93	
4/14/2024 7:00	--	--	--	--	0.5	191.4	967.2	6.2	93.2	
4/14/2024 8:00	--	--	--	--	0.71	92.5	967.3	7.6	91.7	
4/14/2024 9:00	--	--	--	--	1.07	189.7	967.6	9	88.8	
4/14/2024 10:00	--	--	--	--	1.19	160.5	967.8	10.7	86.1	
4/14/2024 11:00	--	--	--	--	1.32	211.3	967.9	9.2	86.8	
4/14/2024 12:00	--	--	--	--	0.96	121.6	967.6	8.9	89.9	
4/14/2024 13:00	--	--	--	--	1.2	236.8	967.3	9.6	89.1	
4/14/2024 14:00	--	--	--	--	1.66	184.5	966.9	10	89.8	
4/14/2024 15:00	--	--	--	--	1.51	184.7	966.4	11.3	87.1	
4/14/2024 16:00	--	--	--	--	1.41	177.5	966	11.5	86	
4/14/2024 17:00	--	--	--	--	1.61	209.3	965.8	10.8	81.4	
4/14/2024 18:00	--	--	--	--	1.49	210.4	965.9	10.3	80.5	
4/14/2024 19:00	--	--	--	--	0.6	303.8	966.1	9.8	83.4	
4/14/2024 20:00	--	--	--	--	0.74	274	966	8.6	86.6	
4/14/2024 21:00	--	--	--	--	1.08	305.9	966.3	8.4	86.7	
4/14/2024 22:00	--	--	--	--	0.78	304.1	966.4	7.9	89	
4/14/2024 23:00	--	--	--	--	0.63	280	966.2	6.9	91.8	
4/15/2024 0:00	--	--	--	--	0.87	322.8	966.1	6.9	92.4	
4/15/2024 1:00	--	--	--	--	0.71	322.2	966	6.3	92.7	
4/15/2024 2:00	--	--	--	--	0.83	20.3	965.6	6.1	94.2	
4/15/2024 3:00	--	--	--	--	0.76	22.5	965.6	6.1	94.5	
4/15/2024 4:00	--	--	--	--	1.35	349.6	965.5	5.4	94.9	
4/15/2024 5:00	--	--	--	--	0.9	335.8	965.5	5	94.2	
4/15/2024 6:00	--	--	--	--	0.72	256.8	966	4.8	93.6	
4/15/2024 7:00	--	--	--	--	0.8	209.8	966.9	7.2	89.8	
4/15/2024 8:00	--	--	--	--	0.73	164.3	967.6	10.6	79.6	
4/15/2024 9:00	--	--	--	--	1.5	169.8	967.8	13.6	65.4	
4/15/2024 10:00	--	--	--	--	1.55	175.4	968.1	16.1	56.5	
4/15/2024 11:00	--	--	--	--	1.71	182.5	968.1	18.1	53.7	
4/15/2024 12:00	--	--	--	--	1.53	173.1	967.6	19.3	53.8	
4/15/2024 13:00	--	--	--	--	1.42	185.2	966.8	19.4	50.5	
4/15/2024 14:00	--	--	--	--	1.95	193.4	966.3	20.2	50	
4/15/2024 15:00	--	--	--	--	2.19	193.7	965.6	20.1	52.5	
4/15/2024 16:00	--	--	--	--	2.13	187	964.9	19.8	53.6	
4/15/2024 17:00	--	--	--	--	1.49	191	964.5	19.5	54.7	
4/15/2024 18:00	--	--	--	--	0.79	218.8	964.6	16.7	63.2	
4/15/2024 19:00	--	--	--	--	0.71	333.6	964.8	14.5	70	
4/15/2024 20:00	--	--	--	--	1.15	340	965.5	13.5	73.9	
4/15/2024 21:00	--	--	--	--	0.85	352	966.1	12.4	76.7	
4/15/2024 22:00	--	--	--	--	0.82	338.9	966.4	11	82.4	
4/15/2024 23:00	--	--	--	--	1.01	339.7	966.5	10.3	78.1	
4/16/2024 0:00	--	--	--	--	1.12	43.6	966.6	9.7	72.5	
4/16/2024 1:00	--	--	--	--	1.18	53.2	966.4	9.2	73.6	
4/16/2024 2:00	--	--	--	--	1.86	6.1	965.9	8.9	76.1	
4/16/2024 3:00	--	--	--	--	1.23	353.2	965.6	8.6	74.9	
4/16/2024 4:00	--	--	--	--	1.09	37.7	965.6	7.7	79.1	
4/16/2024 5:00	--	--	--	--	1.24	33.7	965.6	7.2	80.9	
4/16/2024 6:00	--	--	--	--	1.53	17.3	965.9	7.6	79	
4/16/2024 7:00	--	--	--	--	0.76	65.8	966.4	9.7	73	
4/16/2024 8:00	--	--	--	--	1.33	110.9	966.7	11.5	69.3	
4/16/2024 9:00	--	--	--	--	1.06	130.9	966.6	15.6	58.7	
4/16/2024 10:00	--	--	--	--	0.91	172.6	966.4	20.4	47.3	
4/16/2024 11:00	--	--	--	--	1.02	166.9	965.8	24.2	40.1	
4/16/2024 12:00	--	--	--	--	1.19	147.3	964.9	26.5	30.6	
4/16/2024 13:00	--	--	--	--	1.24	151.5	964	27.5	28.9	
4/16/2024 14:00	--	--	--	--	1.21	183.3	963.7	28	26.8	
4/16/2024 15:00	--	--	--	--	2.71	195.9	963.4	26.1	40.5	
4/16/2024 16:00	--	--	--	--	2.69	198	963.4	24	45.4	

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/16/2024 17:00	--	--	--	--	2.5	203.4	963.3	22.4	46.3	
4/16/2024 18:00	--	--	--	--	1.79	235.4	963.6	20.4	49	
4/16/2024 19:00	--	--	--	--	1.38	298.9	964	18.4	54.1	
4/16/2024 20:00	--	--	--	--	1.09	300.1	964.5	17	58.5	
4/16/2024 21:00	--	--	--	--	1.24	324.5	964.9	15.9	63.1	
4/16/2024 22:00	--	--	--	--	1.05	4.7	965.1	15.3	66.7	
4/16/2024 23:00	--	--	--	--	1.44	26.8	965.2	14.7	69.8	
4/17/2024 0:00	--	--	--	--	1.57	21.9	965.3	14.3	69.9	
4/17/2024 1:00	--	--	--	--	1.06	42.4	965.1	13.3	73.1	
4/17/2024 2:00	--	--	--	--	1.5	21.9	964.8	13.1	72.7	
4/17/2024 3:00	--	--	--	--	1.81	22	964.5	12.4	73.3	
4/17/2024 4:00	--	--	--	--	1.04	356	964.4	11.3	77.8	
4/17/2024 5:00	--	--	--	--	1.37	21.7	964.4	11.5	75.6	
4/17/2024 6:00	--	--	--	--	1.22	30.1	964.4	11.1	74.9	
4/17/2024 7:00	--	--	--	--	0.97	53.2	964.8	12.6	72.7	
4/17/2024 8:00	--	--	--	--	1.22	95.5	964.9	15	67.2	
4/17/2024 9:00	--	--	--	--	0.95	140.8	964.8	18.7	56.7	
4/17/2024 10:00	--	--	--	--	0.89	160.3	964.8	21.9	49.6	
4/17/2024 11:00	--	--	--	--	1.19	172.4	964.5	24.2	44.8	
4/17/2024 12:00	--	--	--	--	1.78	198.5	963.8	25.4	39.9	
4/17/2024 13:00	--	--	--	--	1.98	191.3	963.4	26.2	41.3	
4/17/2024 14:00	--	--	--	--	2.18	196.6	962.9	26.1	40.7	
4/17/2024 15:00	--	--	--	--	2.45	197.5	962.5	25.4	42.1	
4/17/2024 16:00	--	--	--	--	2.36	195.2	962.2	24.2	45.4	
4/17/2024 17:00	--	--	--	--	2.04	199.3	962.3	22.9	48.3	
4/17/2024 18:00	--	--	--	--	1.34	225.5	962.7	19.9	55.6	
4/17/2024 19:00	--	--	--	--	1.41	271.1	962.9	17.8	58.4	
4/17/2024 20:00	--	--	--	--	1.01	293.1	963.5	16.5	63.2	
4/17/2024 21:00	--	--	--	--	0.64	294.6	964.1	14	73.5	
4/17/2024 22:00	--	--	--	--	0.87	356.5	964.2	14.2	72.9	
4/17/2024 23:00	--	--	--	--	0.95	15.8	964	13.9	76.3	
4/18/2024 0:00	--	--	--	--	1.27	45.7	963.8	14.3	72.2	
4/18/2024 1:00	--	--	--	--	0.95	17.6	963.5	13.4	74.4	
4/18/2024 2:00	--	--	--	--	1.41	46.1	963.2	13	75.8	
4/18/2024 3:00	--	--	--	--	1.22	12.3	962.7	12.6	75.1	
4/18/2024 4:00	--	--	--	--	0.58	306.9	962.7	11.4	80.5	
4/18/2024 5:00	--	--	--	--	0.67	340	962.8	10.5	83.5	
4/18/2024 6:00	--	--	--	--	0.78	341.3	963.2	10.3	84.5	
4/18/2024 7:00	--	--	--	--	1.03	57.7	963.7	11.3	80.7	
4/18/2024 8:00	--	--	--	--	0.9	93	963.8	12.3	80.2	
4/18/2024 9:00	--	--	--	--	0.88	60.6	963.8	14.3	71.9	
4/18/2024 10:00	--	--	--	--	0.77	117.9	963.7	16.9	60.2	
4/18/2024 11:00	--	--	--	--	1.04	128.4	963.2	21.1	47.8	
4/18/2024 12:00	--	--	--	--	1.26	179.5	962.7	23.3	44.4	
4/18/2024 13:00	--	--	--	--	2.34	189.7	962.4	24.4	44.3	
4/18/2024 14:00	--	--	--	--	2.45	193.6	962.4	23.5	52.2	
4/18/2024 15:00	--	--	--	--	2.16	194.5	961.9	23.8	50.8	
4/18/2024 16:00	--	--	--	--	2.17	199.8	961.6	23.2	51.2	
4/18/2024 17:00	--	--	--	--	1.74	207.4	961.6	22	53.9	
4/18/2024 18:00	--	--	--	--	1.12	239.8	961.7	19.2	61	
4/18/2024 19:00	--	--	--	--	0.88	261.7	962.1	16.2	71.2	
4/18/2024 20:00	--	--	--	--	0.67	286.3	962.6	14.3	76.6	
4/18/2024 21:00	--	--	--	--	0.65	285.1	963.1	12.6	81.8	
4/18/2024 22:00	--	--	--	--	0.55	286.1	963.3	11.3	84.4	
4/18/2024 23:00	--	--	--	--	0.79	335.3	963.1	11.3	84.9	
4/19/2024 0:00	--	--	--	--	0.82	331	963.1	10.8	87.8	
4/19/2024 1:00	--	--	--	--	0.69	331.9	962.9	10.5	88.2	
4/19/2024 2:00	--	--	--	--	0.46	307.7	962.7	9.4	90.8	
4/19/2024 3:00	--	--	--	--	0.37	284.1	962.4	8.6	92.4	
4/19/2024 4:00	--	--	--	--	0.31	20.4	962.2	8.7	93.2	
4/19/2024 5:00	--	--	--	--	0.37	238.4	962.1	8.9	94	
4/19/2024 6:00	--	--	--	--	0.61	199.3	962.4	9	94	
4/19/2024 7:00	--	--	--	--	0.72	192.3	962.9	9.5	94.3	
4/19/2024 8:00	--	--	--	--	0.6	160.9	963.1	10.2	94.6	
4/19/2024 9:00	--	--	--	--	0.76	178.9	963.2	10.8	93.9	
4/19/2024 10:00	--	--	--	--	0.88	169.2	963.5	12.8	87.1	
4/19/2024 11:00	--	--	--	--	1.41	174.1	963.2	16	74.4	
4/19/2024 12:00	--	--	--	--	1.72	172.5	962.7	17.4	68	
4/19/2024 13:00	--	--	--	--	2.01	185.3	962.4	18.8	62.1	
4/19/2024 14:00	--	--	--	--	2.01	189.3	962.1	19.1	61.5	
4/19/2024 15:00	--	--	--	--	2.02	193.4	961.5	19.1	62.7	
4/19/2024 16:00	--	--	--	--	1.95	193.5	961.1	18.8	63.7	
4/19/2024 17:00	--	--	--	--	1.76	200.2	961.2	17.5	66.7	
4/19/2024 18:00	--	--	--	--	1.33	207.5	961.3	15.4	72.9	
4/19/2024 19:00	--	--	--	--	1.08	254.1	961.7	12.9	80.2	
4/19/2024 20:00	--	--	--	--	1.04	258.1	962.4	11.6	84.7	
4/19/2024 21:00	--	--	--	--	0.73	261.5	963	10.8	87.6	
4/19/2024 22:00	--	--	--	--	0.57	279.9	963.3	10	89.6	
4/19/2024 23:00	--	--	--	--	0.79	290.3	963.4	9.7	91.9	
4/20/2024 0:00	--	--	--	--	1.15	333	963.5	10.1	90.9	
4/20/2024 1:00	--	--	--	--	0.61	325.3	963.6	9.3	91.7	
4/20/2024 2:00	--	--	--	--	0.82	20.1	963.4	9.4	93	
4/20/2024 3:00	--	--	--	--	1.14	23.3	963.2	9.4	93.2	
4/20/2024 4:00	--	--	--	--	1.37	353.5	963.2	9.5	93.7	
4/20/2024 5:00	--	--	--	--	0.65	244.6	963.6	9.8	93.2	
4/20/2024 6:00	--	--	--	--	0.37	197.5	964.3	9.6	93.1	
4/20/2024 7:00	--	--	--	--	0.42	188	964.5	10.4	93	
4/20/2024 8:00	--	--	--	--	0.69	188.3	965	11.5	90.8	
4/20/2024 9:00	--	--	--	--	0.9	177	965.4	13.2	84.9	
4/20/2024 10:00	--	--	--	--	1.15	180.8	965.5	15	77.4	
4/20/2024 11:00	--	--	--	--	1.37	193.3	965.2	17.6	70.8	
4/20/2024 12:00	--	--	--	--	1.36	182.5	964.5	20.5	64.3	
4/20/2024 13:00	--	--	--	--	2.02	188	963.8	22.7	58.6	
4/20/2024 14:00	--	--	--	--	2.39	196.2	963.6	22.1	59.5	

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/20/2024 15:00	--	--	--	--	2.17	200.2	963.2	22.2	59.3	
4/20/2024 16:00	--	--	--	--	1.61	177.1	962.7	22.5	58.7	
4/20/2024 17:00	--	--	--	--	1.65	202	962.6	21.6	59.7	
4/20/2024 18:00	--	--	--	--	1.32	207.7	962.7	18.7	68.7	
4/20/2024 19:00	--	--	--	--	0.89	243.7	963.1	15.3	78.8	
4/20/2024 20:00	--	--	--	--	0.58	271.3	963.7	13.1	85.5	
4/20/2024 21:00	--	--	--	--	0.44	254.2	964.3	12.1	89.2	
4/20/2024 22:00	--	--	--	--	0.47	248.3	964.6	11.5	91.2	
4/20/2024 23:00	--	--	--	--	0.54	233.2	964.8	10.7	91.9	
4/21/2024 0:00	--	--	--	--	0.53	285.1	964.9	10.2	93	
4/21/2024 1:00	--	--	--	--	0.55	116.1	964.6	10.3	94.2	
4/21/2024 2:00	--	--	--	--	0.78	11.4	964.2	11	94.6	
4/21/2024 3:00	--	--	--	--	1.46	12.1	964	11.2	94.3	
4/21/2024 4:00	--	--	--	--	1.93	351.8	963.7	11.6	93.1	
4/21/2024 5:00	--	--	--	--	1.44	359.2	963.4	12.3	88.9	
4/21/2024 6:00	--	--	--	--	1.07	41.1	963.7	12.2	86.2	
4/21/2024 7:00	--	--	--	--	0.59	65.5	964.1	14.5	80.9	
4/21/2024 8:00	--	--	--	--	1.12	99.6	964.1	17	71.1	
4/21/2024 9:00	--	--	--	--	0.95	148.4	963.6	21.5	57.2	
4/21/2024 10:00	--	--	--	--	1.17	185.4	963.4	25.1	52.2	
4/21/2024 11:00	--	--	--	--	1.15	167.4	962.9	27.8	50.4	
4/21/2024 12:00	--	--	--	--	1.35	167.5	962.3	29.4	47.5	
4/21/2024 13:00	--	--	--	--	2.24	196.8	961.9	28.3	48.1	
4/21/2024 14:00	--	--	--	--	2.27	193.6	961.5	28.1	50	
4/21/2024 15:00	--	--	--	--	2.42	193.2	960.9	27.6	49.5	
4/21/2024 16:00	--	--	--	--	2.01	195.5	960.5	27.2	49.4	
4/21/2024 17:00	--	--	--	--	1.42	208	960.3	26.3	50.8	
4/21/2024 18:00	--	--	--	--	1.01	245.9	960.2	23.6	56.7	
4/21/2024 19:00	--	--	--	--	0.87	275.5	960.4	20.1	68.8	
4/21/2024 20:00	--	--	--	--	0.76	264.4	961	16.4	79.4	
4/21/2024 21:00	--	--	--	--	0.5	251.5	961.6	14.5	84.4	
4/21/2024 22:00	--	--	--	--	0.71	248	961.9	13.1	88.8	
4/21/2024 23:00	--	--	--	--	0.44	216.3	961.8	11.8	92.1	
4/22/2024 0:00	--	--	--	--	0.42	177.5	961.5	11.6	93	
4/22/2024 1:00	--	--	--	--	0.42	203.8	961	11.1	93.6	
4/22/2024 2:00	--	--	--	--	0.48	206.4	960.6	10.7	93.8	
4/22/2024 3:00	--	--	--	--	0.48	204.9	960.1	10.6	94.1	
4/22/2024 4:00	--	--	--	--	0.48	219.8	960	10.8	94.6	29.9
4/22/2024 5:00	0.35	0.37	*<0.10*	0.42	0.5	62.5	960	10.7	94.8	30
4/22/2024 6:00	0.72	0.14	*<0.10*	0.26	0.43	91.5	960.2	11	95	30
4/22/2024 7:00	0.17	*<0.10*	*<0.10*	0.25	0.69	111	960.8	11.3	94.9	30
4/22/2024 8:00	0.28	*<0.10*	*<0.10*	0.18	0.76	126.7	960.9	12.4	95.1	30
4/22/2024 9:00	0.84	0.13	*<0.10*	0.18	0.93	154.6	960.8	16.3	87.9	30
4/22/2024 10:00	1.2	0.15	*<0.10*	0.23	1.23	169.7	960.9	21.3	67	30
4/22/2024 11:00	0.86	0.15	*<0.10*	0.15	1.93	184.9	961	22.4	62.9	30
4/22/2024 12:00	0.75	0.14	*<0.10*	0.31	1.28	161.3	960.6	25.5	57.3	30.1
4/22/2024 13:00	0.64	0.1	*<0.10*	0.24	1.52	167.4	960.3	26.1	55.4	30.1
4/22/2024 14:00	0.45	*<0.10*	*<0.10*	0.22	1.98	188.7	959.9	25	56	30.1
4/22/2024 15:00	0.33	*<0.10*	*<0.10*	0.1	2.18	189.2	959.5	24.3	57.6	30
4/22/2024 16:00	0.31	*<0.10*	*<0.10*	0.15	2.51	202.6	959.3	22.1	62.2	30
4/22/2024 17:00	0.24	*<0.10*	*<0.10*	0.1	2.25	201.5	959.6	19.6	67.3	30
4/22/2024 18:00	*<0.10*	*<0.10*	*<0.10*	0.24	1.54	210.4	959.9	16.2	76.7	29.9
4/22/2024 19:00	0.36	*<0.10*	*<0.10*	0.14	1.62	258.1	960.2	13.2	87.5	30
4/22/2024 20:00	0.15	*<0.10*	*<0.10*	0.23	1.26	234.8	961	12.9	88.8	30
4/22/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.11	0.73	238.1	961.8	13.3	87.4	29.8
4/22/2024 22:00	--	--	--	--	0.61	185.7	962	13.4	86.9	29.7
4/22/2024 23:00	--	--	--	--	0.67	202.6	962.2	13.2	87.7	29.8
4/23/2024 0:00	--	--	--	--	0.46	188	962.4	13.1	89.4	29.9
4/23/2024 1:00	--	--	--	--	0.52	189.9	962.4	12.7	90.4	29.8
4/23/2024 2:00	--	--	--	--	0.54	180.7	962.3	12.6	89.1	29.7
4/23/2024 3:00	--	--	--	--	0.57	163.3	962.3	12.4	88.1	29.8
4/23/2024 4:00	--	--	--	--	0.5	161.8	962.3	12.2	87.9	29.8
4/23/2024 5:00	--	--	--	--	0.58	162.1	962.3	12.2	87.5	29.9
4/23/2024 6:00	--	--	--	--	0.91	191.8	963	11.9	88.1	29.9
4/23/2024 7:00	--	--	--	--	0.75	194.1	963.6	12.2	87.7	29.8
4/23/2024 8:00	--	--	--	--	1.08	184.7	964	13.8	82	29.9
4/23/2024 9:00	--	--	--	--	1.45	173.4	964.3	15.2	75.4	30
4/23/2024 10:00	--	--	--	--	1.59	184	964.7	15.3	71.6	30
4/23/2024 11:00	--	--	--	--	1.83	192.6	965.1	17.4	65.8	30
4/23/2024 12:00	--	--	--	--	2.22	194.7	964.9	19.1	57.6	30
4/23/2024 13:00	--	--	--	--	2.38	193.4	964.8	19.6	56.3	30
4/23/2024 14:00	--	--	--	--	2.07	198.5	964.6	19.6	54.9	30
4/23/2024 15:00	--	--	--	--	2.14	194.9	964.3	19.5	55.4	30
4/23/2024 16:00	--	--	--	--	2.11	188	963.9	19.1	55.7	30
4/23/2024 17:00	--	--	--	--	1.99	202.9	963.8	18	57.9	30
4/23/2024 18:00	--	--	--	--	1.97	219.5	963.7	15.4	65.7	30
4/23/2024 19:00	--	--	--	--	1.85	226.5	964.1	13.1	72.7	29.8
4/23/2024 20:00	--	--	--	--	1.3	243.1	964.8	11.7	77.2	29.9
4/23/2024 21:00	--	--	--	--	0.84	270.6	965.2	10.8	80.1	29.9
4/23/2024 22:00	--	--	--	--	0.81	294.4	965.6	10.4	80.2	29.9
4/23/2024 23:00	--	--	--	--	0.88	303.2	965.7	10.1	82.5	29.9
4/24/2024 0:00	--	--	--	--	0.7	290.4	965.7	9.9	84.2	29.9
4/24/2024 1:00	--	--	--	--	0.64	323.2	965.6	9.1	86.8	29.9
4/24/2024 2:00	--	--	--	--	0.88	339.4	965.3	9.2	87.6	29.9
4/24/2024 3:00	--	--	--	--	0.95	313.6	965.3	9.3	88.7	29.9
4/24/2024 4:00	--	--	--	--	0.34	224.1	965.4	9.7	88.8	29.9
4/24/2024 5:00	--	--	--	--	0.39	166.8	965.4	10.1	88.1	29.9
4/24/2024 6:00	--	--	--	--	0.48	29.5	965.5	10.3	87.1	29.9
4/24/2024 9:00	0.12	0.16	*<0.10*	0.49	1.24	176.3	966.2	15	66.7	28.5
4/24/2024 10:00	0.13	*<0.10*	*<0.10*	0.31	1.35	178.7	966.1	16.1	61.9	30
4/24/2024 11:00	0.1	*<0.10*	*<0.10*	0.18	1.72	195.2	966.2	17.6	58.3	30
4/24/2024 12:00	--	--	--	--	1.7	183.1	965.3	19.8	54.5	30
4/24/2024 13:00	0.11	*<0.10*	*<0.10*	0.12	2.39	190.2	964.9	19.7	53.3	30
4/24/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.14	2.27	197	964.7	18.7	56.1	30

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/24/2024 15:00	0.11	*<0.10*	*<0.10*	*<0.10*	2.43	199.8	964.3	18.2	58.2	30
4/24/2024 16:00	0.13	*<0.10*	*<0.10*	0.19	2.76	199.8	964.1	16.9	60.7	30
4/24/2024 17:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.07	184	964.2	15.3	65.3	29.9
4/24/2024 18:00	*<0.10*	*<0.10*	*<0.10*	0.14	2.06	185	964.6	13.5	71.5	29.9
4/24/2024 19:00	0.12	*<0.10*	*<0.10*	0.16	1.52	181.2	964.7	12.4	75.3	30
4/24/2024 20:00	*<0.10*	*<0.10*	*<0.10*	0.17	1.35	184.5	965.3	11.9	76	30
4/24/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.18	1.04	182.8	965.7	11.5	79.1	30
4/24/2024 22:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.84	250.6	965.7	10.4	83.1	29.9
4/24/2024 23:00	*<0.10*	*<0.10*	*<0.10*	0.2	1.09	243.1	965.5	10.5	83.6	29.9
4/25/2024 7:00	0.46	*<0.10*	*<0.10*	*<0.10*	0.87	197.8	965.8	10.9	87.6	18.4
4/25/2024 8:00	0.12	*<0.10*	*<0.10*	*<0.10*	1.17	182.7	966.1	13.2	77.8	29.6
4/25/2024 9:00	0.15	*<0.10*	*<0.10*	*<0.10*	1.16	179	966.2	13.8	72	29.9
4/25/2024 10:00	0.11	*<0.10*	*<0.10*	0.2	1.48	184.5	966.6	14.7	67.7	29.9
4/25/2024 11:00	0.19	*<0.10*	*<0.10*	0.1	1.29	184.3	966.6	16.4	60.4	30
4/25/2024 12:00	0.16	*<0.10*	*<0.10*	0.15	1.43	198.5	966.3	15.8	58.3	30
4/25/2024 13:00	0.13	*<0.10*	*<0.10*	0.19	1.67	185.5	966	16.8	59.8	30
4/25/2024 14:00	0.1	*<0.10*	*<0.10*	0.17	2.18	198.6	965.7	15.3	65.7	30
4/25/2024 15:00	*<0.10*	*<0.10*	*<0.10*	0.17	2.01	199.8	965.2	14.3	68.5	29.9
4/25/2024 16:00	*<0.10*	*<0.10*	*<0.10*	0.13	1.64	175.5	964.6	14.3	68.4	29.9
4/25/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.17	1.76	179.2	964.4	14.3	67.9	30
4/25/2024 18:00	*<0.10*	*<0.10*	*<0.10*	0.17	1.99	205.5	964.2	13.2	68.8	29.9
4/25/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.7	211.2	964.1	12	72.8	29.9
4/25/2024 20:00	0.1	*<0.10*	*<0.10*	0.12	1.25	186.8	964.3	11.4	75.9	29.9
4/25/2024 21:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.1	259.6	964.6	10.8	75.9	29.9
4/25/2024 22:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.14	275.2	964.4	10.6	79.2	29.9
4/25/2024 23:00	*<0.10*	*<0.10*	*<0.10*	0.13	1.34	316.8	964.1	10.3	80.8	29.9
4/26/2024 0:00	0.19	*<0.10*	*<0.10*	0.11	0.78	319.7	963.9	9.4	84	29.9
4/26/2024 1:00	0.22	*<0.10*	*<0.10*	0.15	0.89	333.6	963.9	9.2	86.8	29.9
4/26/2024 2:00	0.51	*<0.10*	*<0.10*	0.21	1.07	329.9	963.2	9.2	87.3	29.9
4/26/2024 3:00	0.34	*<0.10*	*<0.10*	0.17	1.1	303.2	962.9	8.9	88.1	29.9
4/26/2024 4:00	0.1	*<0.10*	*<0.10*	0.16	0.66	318.7	962.6	8.8	89.4	29.9
4/26/2024 5:00	0.52	*<0.10*	*<0.10*	0.1	0.57	164.9	962.4	8.8	89.3	29.9
4/26/2024 6:00	0.59	*<0.10*	*<0.10*	0.22	1.47	343.9	962.4	8.4	90.4	29.9
4/26/2024 7:00	0.11	*<0.10*	*<0.10*	0.16	1.23	64.2	962.6	10.4	85	29.9
4/26/2024 8:00	0.31	*<0.10*	*<0.10*	0.16	0.94	149.8	962.7	14.3	72.6	30
4/26/2024 9:00	0.3	*<0.10*	*<0.10*	*<0.10*	1.04	169	962.6	17.1	60.1	30
4/26/2024 10:00	0.24	*<0.10*	*<0.10*	0.18	1.06	162.2	962.5	18.2	56.2	27.2
4/26/2024 11:00	0.36	*<0.10*	*<0.10*	0.16	1.54	179.2	961.7	20.9	49.6	28.9
4/26/2024 12:00	0.16	*<0.10*	*<0.10*	0.13	2.2	191.4	961.7	20.1	52.6	30
4/26/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.12	1.33	181.1	961.5	18.2	57.1	30
4/26/2024 14:00	0.13	*<0.10*	*<0.10*	*<0.10*	1.5	182	960.8	20.4	51	30
4/26/2024 15:00	0.27	*<0.10*	*<0.10*	*<0.10*	1.41	197.1	959.9	21.2	44	30
4/26/2024 16:00	0.18	*<0.10*	*<0.10*	*<0.10*	1.62	176.2	959.2	21	50.1	30
4/26/2024 17:00	0.16	*<0.10*	*<0.10*	0.17	1.91	197	959	18.3	57.8	30
4/26/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.02	216.6	959.1	16.8	62.8	29.9
4/26/2024 19:00	0.19	*<0.10*	*<0.10*	*<0.10*	1.06	273.8	959	15.7	61.1	30
4/26/2024 20:00	0.14	*<0.10*	*<0.10*	0.17	1.15	264.2	959.4	14.9	55.5	30
4/26/2024 21:00	0.3	*<0.10*	*<0.10*	0.15	0.68	260.5	960	12.4	75.2	29.9
4/27/2024 10:00	0.68	*<0.10*	*<0.10*	0.21	1.87	105.1	963.4	20.5	36.4	27.1
4/27/2024 11:00	0.56	*<0.10*	*<0.10*	0.2	1.53	147	963.4	22.5	33.2	30.1
4/27/2024 12:00	0.4	*<0.10*	*<0.10*	0.17	1.68	195.7	963	23.9	32.1	30.1
4/27/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.11	2.54	193.1	962.9	23.6	36.7	30.1
4/27/2024 14:00	0.16	*<0.10*	*<0.10*	*<0.10*	2.9	198.5	962.9	23	38.4	30.1
4/27/2024 15:00	0.22	*<0.10*	*<0.10*	*<0.10*	3.22	200.4	962.8	21.9	38.3	30
4/27/2024 16:00	0.14	*<0.10*	*<0.10*	*<0.10*	2.7	207.9	962.8	21.3	40.6	30.1
4/27/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.11	2.42	207.9	963	20.3	42.4	30
4/27/2024 18:00	*<0.10*	*<0.10*	*<0.10*	0.17	1.23	236.6	963.4	18.4	47.8	30
4/27/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.18	0.96	300.9	963.7	16.7	54.6	29.9
4/27/2024 20:00	0.13	*<0.10*	*<0.10*	*<0.10*	0.83	344.6	964.1	15.5	51.3	30
4/27/2024 21:00	0.19	*<0.10*	*<0.10*	0.12	1.33	73.3	964.3	15.5	45.6	30
4/27/2024 22:00	0.93	*<0.10*	*<0.10*	0.12	1.45	245.3	964.2	14.9	50.2	30
4/27/2024 23:00	0.26	*<0.10*	*<0.10*	*<0.10*	1.04	301.4	964.2	14.1	53.1	29.9
4/28/2024 0:00	0.14	*<0.10*	*<0.10*	0.11	1.03	296.1	964	13.7	55.3	29.9
4/28/2024 1:00	0.13	*<0.10*	*<0.10*	0.11	1.02	307.5	964.1	13.3	57.6	29.9
4/28/2024 2:00	0.14	*<0.10*	*<0.10*	0.11	0.97	341.7	964	11.6	64.6	29.9
4/28/2024 3:00	0.25	*<0.10*	*<0.10*	0.19	1.14	329.4	963.8	10.9	66.4	29.9
4/28/2024 4:00	0.34	*<0.10*	*<0.10*	0.14	0.79	0.9	963.5	10	71.9	29.9
4/28/2024 5:00	0.12	*<0.10*	*<0.10*	0.14	1.72	44.3	963.6	9.8	66.7	29.9
4/28/2024 6:00	0.16	*<0.10*	*<0.10*	*<0.10*	0.95	356.3	963.9	9.6	65.9	29.9
4/28/2024 10:00	0.2	*<0.10*	*<0.10*	*<0.10*	1.66	187.7	964.2	23	37.7	29.5
4/28/2024 11:00	0.55	*<0.10*	*<0.10*	0.11	1.82	189.1	964	23.6	38.6	30.1
4/28/2024 12:00	0.27	*<0.10*	*<0.10*	*<0.10*	2.02	191.7	963.5	24.9	39	30.1
4/28/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.17	1.99	195.7	963	25.5	38.9	30.1
4/28/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.12	2.5	201.7	962.4	25.4	41.8	30.1
4/28/2024 15:00	0.15	*<0.10*	*<0.10*	0.15	2.67	197.7	961.8	24.5	44.5	30.1
4/28/2024 16:00	0.1	*<0.10*	*<0.10*	0.13	2.51	197.5	961.5	23.7	46.1	30
4/28/2024 17:00	0.1	*<0.10*	*<0.10*	0.12	2.03	189.9	961.6	22.6	47.4	30
4/28/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.94	226.1	961.7	20.1	55.1	30
4/28/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.1	0.72	296.3	962	17.6	63.6	29.9
4/28/2024 20:00	0.53	*<0.10*	*<0.10*	0.14	0.79	320.6	962.5	15.7	69.2	29.9
4/28/2024 21:00	0.59	*<0.10*	*<0.10*	0.13	0.82	337.7	962.9	14.3	71.8	30
4/28/2024 22:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.95	330.5	963	14.6	65.3	30
4/28/2024 23:00	0.11	*<0.10*	*<0.10*	*<0.10*	0.87	326.8	963.1	14.1	63.6	29.9
4/29/2024 0:00	0.35	*<0.10*	*<0.10*	0.13	0.84	334.7	963	14.4	60.1	29.9
4/29/2024 1:00	*<0.10*	*<0.10*	*<0.10*	0.1	0.86	355.5	962.8	14.2	61.3	29.9
4/29/2024 2:00	0.1	*<0.10*	*<0.10*	0.18	1.3	36.8	962.4	13.7	63.5	29.9
4/29/2024 3:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.81	43.3	962.2	12.9	64.8	29.9
4/29/2024 4:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.43	25.7	962.1	11.7	68.1	29.9
4/29/2024 5:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.04	349.9	961.9	11.2	71.2	29.9
4/29/2024 6:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.14	26.9	962.3	11.5	71.1	29.9
4/29/2024 9:00	1.23	*<0.10*	*<0.10*	*<0.10*	1.99	220.3	961.8	22.4	41.4	28.4
4/29/2024 10:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.56	207.9	961.9	22.9	41	30
4/29/2024 12:00	0.43	*<0.10*	*<0.10*	0.1	1.88	176.7	960.5	26.9	32.2	30.1
4/29/2024 13:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.47	195.2	960	26.3	39.5	30.1

MS-04 - 1-Hour Averages April 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
4/29/2024 14:00	0.13	*<0.10*	*<0.10*	0.1	2.45	189.4	959.7	25.9	41	30.1
4/29/2024 15:00	0.15	*<0.10*	*<0.10*	*<0.10*	2.3	189.5	959.2	25.8	40	30.1
4/29/2024 16:00	0.19	*<0.10*	*<0.10*	*<0.10*	1.5	176.4	958.6	26	40.2	30.1
4/29/2024 17:00	0.35	*<0.10*	*<0.10*	*<0.10*	1.61	206.1	958.5	24.7	31.8	30
4/29/2024 18:00	0.53	*<0.10*	*<0.10*	0.17	1.66	220.9	958.7	21.8	36.2	30
4/29/2024 19:00	0.3	*<0.10*	*<0.10*	0.13	0.93	322.1	959.2	19	49	29.9
4/29/2024 20:00	0.23	*<0.10*	*<0.10*	*<0.10*	1.44	247.9	959.6	18.1	48.2	29.9
4/29/2024 21:00	0.21	*<0.10*	*<0.10*	*<0.10*	1.53	231.9	959.9	17.7	43.4	30
4/29/2024 22:00	0.29	*<0.10*	*<0.10*	*<0.10*	1.6	182.2	959.9	18.6	37.2	29.9
4/29/2024 23:00	0.21	*<0.10*	*<0.10*	*<0.10*	2.32	93.4	959.7	18.7	38.6	29.9
4/30/2024 0:00	0.18	*<0.10*	*<0.10*	0.1	2.04	90.9	960.1	18.4	43	29.9
4/30/2024 1:00	0.11	*<0.10*	*<0.10*	0.17	1.81	59.5	960.1	16.7	44.1	29.9
4/30/2024 2:00	0.1	*<0.10*	*<0.10*	*<0.10*	1.72	65.3	959.7	15.1	47.6	29.9
4/30/2024 3:00	*<0.10*	*<0.10*	*<0.10*	0.1	1.58	78.4	959.7	14.3	48.9	30
4/30/2024 4:00	0.14	*<0.10*	*<0.10*	0.14	1.59	81.9	959.7	13.4	53	29.9
4/30/2024 5:00	0.16	*<0.10*	*<0.10*	*<0.10*	0.89	30.6	959.8	12	59.6	29.9
4/30/2024 6:00	0.11	*<0.10*	*<0.10*	0.1	1.12	77.9	960.1	11.3	64	29.9
4/30/2024 7:00	*<0.10*	*<0.10*	*<0.10*	0.13	1.15	90	960.4	13.4	59.3	30
4/30/2024 8:00	0.16	*<0.10*	*<0.10*	*<0.10*	1.7	84.7	960.6	14.5	55.2	30
4/30/2024 11:00	0.84	0.14	*<0.10*	*<0.10*	2.03	184.3	959.4	26.5	33.1	30.1
4/30/2024 12:00	0.3	*<0.10*	*<0.10*	0.12	2.54	191.6	958.9	26.7	35.6	30.1
4/30/2024 13:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.76	195.5	958.5	26	43.2	30.1
4/30/2024 14:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.79	199.7	958.3	25.7	45.6	30.1
4/30/2024 15:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.85	194	957.9	25	45.6	30.1
4/30/2024 16:00	0.1	*<0.10*	*<0.10*	0.13	2.56	199.3	957.6	24	47.4	30
4/30/2024 17:00	0.1	*<0.10*	*<0.10*	*<0.10*	2.03	199	957.6	23.1	48.8	30
4/30/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.41	227.3	957.8	20.7	54.5	30
4/30/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.15	1.11	279.9	958.2	18.7	60.6	30
4/30/2024 20:00	*<0.10*	*<0.10*	*<0.10*	0.11	1	300.8	958.9	16.8	65.9	29.9
4/30/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.15	0.64	289.9	959.3	14.7	72.8	30

ATTACHMENT E
1-HR AVG. CONTINUOUS TRS MONITORING DATA

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/1/24 0:00	<0.5	
4/1/24 1:00	<0.5	
4/1/24 2:00	<0.5	
4/1/24 3:00	<0.5	
4/1/24 4:00	<0.5	
4/1/24 5:00	<0.5	
4/1/24 6:00	<0.5	
4/1/24 7:00	<0.5	
4/1/24 8:00	0.55	
4/1/24 9:00	<0.5	
4/1/24 10:00	<0.5	
4/1/24 11:00	<0.5	
4/1/24 12:00	<0.5	
4/1/24 13:00	<0.5	
4/1/24 14:00	<0.5	
4/1/24 15:00	<0.5	
4/1/24 16:00	<0.5	
4/1/24 17:00	0.79	
4/1/24 18:00	0.62	
4/1/24 19:00	<0.5	
4/1/24 20:00	3.30	
4/1/24 21:00	<0.5	
4/1/24 22:00	<0.5	
4/1/24 23:00	<0.5	
4/2/24 0:00	<0.5	
4/2/24 1:00	<0.5	
4/2/24 2:00	<0.5	
4/2/24 3:00	<0.5	
4/2/24 4:00	<0.5	
4/2/24 5:00	<0.5	
4/2/24 6:00	<0.5	
4/2/24 7:00	<0.5	
4/2/24 8:00	<0.5	
4/2/24 9:00	6.50	
4/2/24 10:00	25.34	
4/2/24 11:00	9.22	
4/2/24 12:00	<0.5	
4/2/24 13:00	<0.5	
4/2/24 14:00	<0.5	
4/2/24 15:00	<0.5	
4/2/24 16:00	1.29	
4/2/24 17:00	1.70	
4/2/24 18:00	2.29	
4/2/24 19:00	1.08	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/2/24 20:00	0.63	
4/2/24 21:00	<0.5	
4/2/24 22:00	<0.5	
4/2/24 23:00	<0.5	
4/3/24 0:00	<0.5	
4/3/24 1:00	<0.5	
4/3/24 2:00	<0.5	
4/3/24 3:00	<0.5	
4/3/24 4:00	<0.5	
4/3/24 5:00	<0.5	
4/3/24 6:00	<0.5	
4/3/24 7:00	<0.5	
4/3/24 8:00	<0.5	
4/3/24 9:00	<0.5	
4/3/24 10:00	<0.5	
4/3/24 11:00	3.98	
4/3/24 12:00	1.29	
4/3/24 13:00	0.58	
4/3/24 14:00	0.58	
4/3/24 15:00	1.06	
4/3/24 16:00	1.35	
4/3/24 17:00	2.18	
4/3/24 18:00	2.41	
4/3/24 19:00	<0.5	
4/3/24 20:00	9.74	
4/3/24 21:00	7.36	
4/3/24 22:00	1.01	
4/3/24 23:00	2.00	
4/4/24 0:00	10.00	
4/4/24 1:00	20.58	
4/4/24 2:00	8.83	
4/4/24 3:00	1.17	
4/4/24 4:00	4.23	
4/4/24 5:00	7.01	
4/4/24 6:00	5.79	
4/4/24 7:00	9.18	
4/4/24 8:00	5.61	
4/4/24 9:00	3.47	
4/4/24 10:00	1.96	
4/4/24 11:00	6.86	
4/4/24 12:00	3.98	
4/4/24 13:00	1.76	
4/4/24 14:00	<0.5	
4/4/24 15:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/4/24 16:00	<0.5	
4/4/24 17:00	<0.5	
4/4/24 18:00	0.75	
4/4/24 19:00	<0.5	
4/4/24 20:00	<0.5	
4/4/24 21:00	<0.5	
4/4/24 22:00	<0.5	
4/4/24 23:00	<0.5	
4/5/24 0:00	<0.5	
4/5/24 1:00	7.68	
4/5/24 2:00	0.90	
4/5/24 3:00	9.89	
4/5/24 4:00	5.33	
4/5/24 5:00	1.78	
4/5/24 6:00	3.65	
4/5/24 7:00	3.67	
4/5/24 8:00	<0.5	
4/5/24 9:00	<0.5	
4/5/24 10:00	<0.5	
4/5/24 11:00	<0.5	
4/5/24 12:00	<0.5	
4/5/24 13:00	<0.5	
4/5/24 14:00	<0.5	
4/5/24 15:00	<0.5	
4/5/24 16:00	<0.5	
4/5/24 17:00	<0.5	
4/5/24 18:00	<0.5	
4/5/24 19:00	<0.5	
4/5/24 20:00	<0.5	
4/5/24 21:00	1.89	
4/5/24 22:00	0.77	
4/5/24 23:00	<0.5	
4/6/24 0:00	<0.5	
4/6/24 1:00	<0.5	
4/6/24 2:00	1.02	
4/6/24 3:00	2.21	
4/6/24 4:00	1.14	
4/6/24 5:00	<0.5	
4/6/24 6:00	<0.5	
4/6/24 7:00	<0.5	
4/6/24 8:00	<0.5	
4/6/24 9:00	3.45	
4/6/24 10:00	1.10	
4/6/24 11:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/6/24 12:00	0.84	
4/6/24 13:00	<0.5	
4/6/24 14:00	<0.5	
4/6/24 15:00	<0.5	
4/6/24 16:00	<0.5	
4/6/24 17:00	<0.5	
4/6/24 18:00	0.71	
4/6/24 19:00	<0.5	
4/6/24 20:00	<0.5	
4/6/24 21:00	<0.5	
4/6/24 22:00	<0.5	
4/6/24 23:00	<0.5	
4/7/24 0:00	<0.5	
4/7/24 1:00	<0.5	
4/7/24 2:00	<0.5	
4/7/24 3:00	<0.5	
4/7/24 4:00	<0.5	
4/7/24 5:00	<0.5	
4/7/24 6:00	<0.5	
4/7/24 7:00	<0.5	
4/7/24 8:00	<0.5	
4/7/24 9:00	<0.5	
4/7/24 10:00	1.11	
4/7/24 11:00	0.52	
4/7/24 12:00	0.62	
4/7/24 13:00	0.63	
4/7/24 14:00	<0.5	
4/7/24 15:00	<0.5	
4/7/24 16:00	<0.5	
4/7/24 17:00	<0.5	
4/7/24 18:00	0.55	
4/7/24 19:00	<0.5	
4/7/24 20:00	4.60	
4/7/24 21:00	5.78	
4/7/24 22:00	5.60	
4/7/24 23:00	2.81	
4/8/24 0:00	3.55	
4/8/24 1:00	<0.5	
4/8/24 2:00	<0.5	
4/8/24 3:00	5.01	
4/8/24 4:00	0.95	
4/8/24 5:00	<0.5	
4/8/24 6:00	<0.5	
4/8/24 7:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/8/24 8:00	<0.5	
4/8/24 9:00	<0.5	
4/8/24 10:00	1.69	
4/8/24 11:00	<0.5	
4/8/24 12:00	<0.5	
4/8/24 13:00	<0.5	
4/8/24 14:00	<0.5	
4/8/24 15:00	2.57	
4/8/24 16:00	2.72	
4/8/24 17:00	4.25	
4/8/24 18:00	4.31	
4/8/24 19:00	8.69	
4/8/24 20:00	13.18	
4/8/24 21:00	<0.5	
4/8/24 22:00	2.41	
4/8/24 23:00	<0.5	
4/9/24 0:00	<0.5	
4/9/24 1:00	<0.5	
4/9/24 2:00	<0.5	
4/9/24 3:00	<0.5	
4/9/24 4:00	0.67	
4/9/24 5:00	<0.5	
4/9/24 6:00	<0.5	
4/9/24 7:00	0.87	
4/9/24 8:00	0.83	
4/9/24 9:00	6.75	
4/9/24 10:00	<0.5	
4/9/24 11:00	<0.5	
4/9/24 12:00	<0.5	
4/9/24 13:00	<0.5	
4/9/24 14:00	<0.5	
4/9/24 15:00	<0.5	
4/9/24 16:00	<0.5	
4/9/24 17:00	1.09	
4/9/24 18:00	1.66	
4/9/24 19:00	<0.5	
4/9/24 20:00	<0.5	
4/9/24 21:00	3.36	
4/9/24 22:00	<0.5	
4/9/24 23:00	<0.5	
4/10/24 0:00	<0.5	
4/10/24 1:00	<0.5	
4/10/24 2:00	<0.5	
4/10/24 3:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/10/24 4:00	<0.5	
4/10/24 5:00	<0.5	
4/10/24 6:00	<0.5	
4/10/24 7:00	<0.5	
4/10/24 8:00	<0.5	
4/10/24 9:00	0.69	
4/10/24 10:00	10.34	
4/10/24 11:00	10.93	
4/10/24 12:00	1.39	
4/10/24 13:00	1.30	
4/10/24 14:00	<0.5	
4/10/24 15:00	<0.5	
4/10/24 16:00	<0.5	
4/10/24 17:00	1.08	
4/10/24 18:00	1.57	
4/10/24 19:00	<0.5	
4/10/24 20:00	<0.5	
4/10/24 21:00	9.34	
4/10/24 22:00	<0.5	
4/10/24 23:00	<0.5	
4/11/24 0:00	<0.5	
4/11/24 1:00	<0.5	
4/11/24 2:00	<0.5	
4/11/24 3:00	<0.5	
4/11/24 4:00	<0.5	
4/11/24 5:00	<0.5	
4/11/24 6:00	<0.5	
4/11/24 7:00	<0.5	
4/11/24 8:00	<0.5	
4/11/24 9:00	<0.5	
4/11/24 10:00	11.95	
4/11/24 11:00	6.36	
4/11/24 12:00	2.66	
4/11/24 13:00	0.81	
4/11/24 14:00	<0.5	
4/11/24 15:00	<0.5	
4/11/24 16:00	<0.5	
4/11/24 17:00	<0.5	
4/11/24 18:00	0.58	
4/11/24 19:00	<0.5	
4/11/24 20:00	4.73	
4/11/24 21:00	6.19	
4/11/24 22:00	<0.5	
4/11/24 23:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/12/24 0:00	<0.5	
4/12/24 1:00	6.47	
4/12/24 2:00	14.56	
4/12/24 3:00	12.90	
4/12/24 4:00	4.39	
4/12/24 5:00	<0.5	
4/12/24 6:00	<0.5	
4/12/24 7:00	<0.5	
4/12/24 8:00	12.84	
4/12/24 9:00	3.96	
4/12/24 10:00	1.81	
4/12/24 11:00	<0.5	
4/12/24 12:00	<0.5	
4/12/24 13:00	<0.5	
4/12/24 14:00	<0.5	
4/12/24 15:00	<0.5	
4/12/24 16:00	3.55	
4/12/24 17:00	4.91	
4/12/24 18:00	1.76	
4/12/24 19:00	2.85	
4/12/24 20:00	4.06	
4/12/24 21:00	<0.5	
4/12/24 22:00	0.54	
4/12/24 23:00	1.57	
4/13/24 0:00	0.51	
4/13/24 1:00	<0.5	
4/13/24 2:00	<0.5	
4/13/24 3:00	<0.5	
4/13/24 4:00	0.70	
4/13/24 5:00	2.05	
4/13/24 6:00	0.95	
4/13/24 7:00	1.57	
4/13/24 8:00	5.29	
4/13/24 9:00	4.97	
4/13/24 10:00	6.98	
4/13/24 11:00	3.27	
4/13/24 12:00	4.66	
4/13/24 13:00	2.46	
4/13/24 14:00	3.96	
4/13/24 15:00	3.84	
4/13/24 16:00	<0.5	
4/13/24 17:00	<0.5	
4/13/24 18:00	<0.5	
4/13/24 19:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/13/24 20:00	<0.5	
4/13/24 21:00	<0.5	
4/13/24 22:00	<0.5	
4/13/24 23:00	<0.5	
4/14/24 0:00	1.86	
4/14/24 1:00	2.94	
4/14/24 2:00	1.07	
4/14/24 3:00	<0.5	
4/14/24 4:00	6.75	
4/14/24 5:00	14.39	
4/14/24 6:00	<0.5	
4/14/24 7:00	18.09	
4/14/24 8:00	3.91	
4/14/24 9:00	0.91	
4/14/24 10:00	2.42	
4/14/24 11:00	<0.5	
4/14/24 12:00	3.00	
4/14/24 13:00	<0.5	
4/14/24 14:00	<0.5	
4/14/24 15:00	0.84	
4/14/24 16:00	0.51	
4/14/24 17:00	<0.5	
4/14/24 18:00	<0.5	
4/14/24 19:00	<0.5	
4/14/24 20:00	<0.5	
4/14/24 21:00	<0.5	
4/14/24 22:00	5.07	
4/14/24 23:00	3.00	
4/15/24 0:00	3.18	
4/15/24 1:00	0.78	
4/15/24 2:00	1.52	
4/15/24 3:00	9.06	
4/15/24 4:00	<0.5	
4/15/24 5:00	1.99	
4/15/24 6:00	6.13	
4/15/24 7:00	13.45	
4/15/24 8:00	8.24	
4/15/24 9:00	3.52	
4/15/24 10:00	1.88	
4/15/24 11:00	0.71	
4/15/24 12:00	0.81	
4/15/24 13:00	<0.5	
4/15/24 14:00	<0.5	
4/15/24 15:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/15/24 16:00	0.58	
4/15/24 17:00	1.22	
4/15/24 18:00	1.13	
4/15/24 19:00	1.18	
4/15/24 20:00	2.90	
4/15/24 21:00	2.86	
4/15/24 22:00	3.41	
4/15/24 23:00	5.24	
4/16/24 0:00	<0.5	
4/16/24 1:00	<0.5	
4/16/24 2:00	<0.5	
4/16/24 3:00	<0.5	
4/16/24 4:00	<0.5	
4/16/24 5:00	<0.5	
4/16/24 6:00	<0.5	
4/16/24 7:00	<0.5	
4/16/24 8:00	<0.5	
4/16/24 9:00	1.74	
4/16/24 10:00	11.67	
4/16/24 11:00	8.12	
4/16/24 12:00	3.01	
4/16/24 13:00	1.90	
4/16/24 14:00	1.21	
4/16/24 15:00	0.74	
4/16/24 16:00	<0.5	
4/16/24 17:00	0.69	
4/16/24 18:00	1.04	
4/16/24 19:00	<0.5	
4/16/24 20:00	1.44	
4/16/24 21:00	6.76	
4/16/24 22:00	<0.5	
4/16/24 23:00	<0.5	
4/17/24 0:00	<0.5	
4/17/24 1:00	<0.5	
4/17/24 2:00	<0.5	
4/17/24 3:00	<0.5	
4/17/24 4:00	<0.5	
4/17/24 5:00	<0.5	
4/17/24 6:00	<0.5	
4/17/24 7:00	<0.5	
4/17/24 8:00	<0.5	
4/17/24 9:00	<0.5	
4/17/24 10:00	9.16	
4/17/24 11:00	3.17	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/17/24 12:00	<0.5	
4/17/24 13:00	<0.5	
4/17/24 14:00	<0.5	
4/17/24 15:00	<0.5	
4/17/24 16:00	0.62	
4/17/24 17:00	0.79	
4/17/24 18:00	1.80	
4/17/24 19:00	<0.5	
4/17/24 20:00	<0.5	
4/17/24 21:00	9.73	
4/17/24 22:00	<0.5	
4/17/24 23:00	<0.5	
4/18/24 0:00	<0.5	
4/18/24 1:00	<0.5	
4/18/24 2:00	<0.5	
4/18/24 3:00	<0.5	
4/18/24 4:00	1.36	
4/18/24 5:00	16.61	
4/18/24 6:00	2.27	
4/18/24 7:00	<0.5	
4/18/24 8:00	<0.5	
4/18/24 9:00	<0.5	
4/18/24 10:00	<0.5	
4/18/24 11:00	0.63	
4/18/24 12:00	2.88	
4/18/24 13:00	<0.5	
4/18/24 14:00	<0.5	
4/18/24 15:00	<0.5	
4/18/24 16:00	0.53	
4/18/24 17:00	<0.5	
4/18/24 18:00	<0.5	
4/18/24 19:00	1.25	
4/18/24 20:00	2.10	
4/18/24 21:00	7.74	
4/18/24 22:00	9.19	
4/18/24 23:00	<0.5	
4/19/24 0:00	<0.5	
4/19/24 1:00	15.47	
4/19/24 2:00	30.48	
4/19/24 3:00	19.68	
4/19/24 4:00	15.17	
4/19/24 5:00	16.95	
4/19/24 6:00	4.44	
4/19/24 7:00	1.20	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/19/24 8:00	1.05	
4/19/24 9:00	1.21	
4/19/24 10:00	<0.5	
4/19/24 11:00	<0.5	
4/19/24 12:00	<0.5	
4/19/24 13:00	<0.5	
4/19/24 14:00	<0.5	
4/19/24 15:00	<0.5	
4/19/24 16:00	<0.5	
4/19/24 17:00	<0.5	
4/19/24 18:00	0.86	
4/19/24 19:00	<0.5	
4/19/24 20:00	<0.5	
4/19/24 21:00	<0.5	
4/19/24 22:00	4.42	
4/19/24 23:00	2.71	
4/20/24 0:00	<0.5	
4/20/24 1:00	2.87	
4/20/24 2:00	0.54	
4/20/24 3:00	<0.5	
4/20/24 4:00	<0.5	
4/20/24 5:00	1.44	
4/20/24 6:00	9.48	
4/20/24 7:00	15.41	
4/20/24 8:00	6.44	
4/20/24 9:00	0.66	
4/20/24 10:00	<0.5	
4/20/24 11:00	0.85	
4/20/24 12:00	1.68	
4/20/24 13:00	0.98	
4/20/24 14:00	<0.5	
4/20/24 15:00	<0.5	
4/20/24 16:00	<0.5	
4/20/24 17:00	0.56	
4/20/24 18:00	2.46	
4/20/24 19:00	4.25	
4/20/24 20:00	15.76	
4/20/24 21:00	20.11	
4/20/24 22:00	19.44	
4/20/24 23:00	31.52	
4/21/24 0:00	16.38	
4/21/24 1:00	7.87	
4/21/24 2:00	1.80	
4/21/24 3:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/21/24 4:00	<0.5	
4/21/24 5:00	<0.5	
4/21/24 6:00	<0.5	
4/21/24 7:00	<0.5	
4/21/24 8:00	<0.5	
4/21/24 9:00	4.90	
4/21/24 10:00	6.77	
4/21/24 11:00	5.09	
4/21/24 12:00	6.01	
4/21/24 13:00	0.96	
4/21/24 14:00	0.72	
4/21/24 15:00	0.67	
4/21/24 16:00	0.75	
4/21/24 17:00	1.69	
4/21/24 18:00	0.56	
4/21/24 19:00	7.21	
4/21/24 20:00	27.94	
4/21/24 21:00	34.11	
4/21/24 22:00	31.27	
4/21/24 23:00	41.03	
4/22/24 0:00	30.62	
4/22/24 1:00	7.86	
4/22/24 2:00	45.65	
4/22/24 3:00	12.39	
4/22/24 4:00	3.85	
4/22/24 5:00	8.36	
4/22/24 6:00	14.93	
4/22/24 7:00	4.23	
4/22/24 8:00	5.06	
4/22/24 9:00	13.26	
4/22/24 10:00	12.06	
4/22/24 11:00	2.53	
4/22/24 12:00	5.13	
4/22/24 13:00	3.23	
4/22/24 14:00	0.91	
4/22/24 15:00	0.63	
4/22/24 16:00	0.68	
4/22/24 17:00	0.86	
4/22/24 18:00	1.35	
4/22/24 19:00	<0.5	
4/22/24 20:00	0.75	
4/22/24 21:00	<0.5	
4/22/24 22:00	1.42	
4/22/24 23:00	0.84	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/23/24 0:00	6.67	
4/23/24 1:00	6.66	
4/23/24 2:00	6.38	
4/23/24 3:00	7.23	
4/23/24 4:00	8.86	
4/23/24 5:00	8.62	
4/23/24 6:00	5.83	
4/23/24 7:00	2.11	
4/23/24 8:00	2.81	
4/23/24 9:00	<0.5	
4/23/24 10:00	<0.5	
4/23/24 11:00	<0.5	
4/23/24 12:00	<0.5	
4/23/24 13:00	<0.5	
4/23/24 14:00	<0.5	
4/23/24 15:00	<0.5	
4/23/24 16:00	<0.5	
4/23/24 17:00	0.65	
4/23/24 18:00	1.13	
4/23/24 19:00	1.43	
4/23/24 20:00	1.28	
4/23/24 21:00	<0.5	
4/23/24 22:00	<0.5	
4/23/24 23:00	<0.5	
4/24/24 0:00	<0.5	
4/24/24 1:00	1.76	
4/24/24 2:00	<0.5	
4/24/24 3:00	5.00	
4/24/24 4:00	36.02	
4/24/24 5:00	23.70	
4/24/24 6:00	6.13	
4/24/24 7:00	8.65	
4/24/24 8:00	2.10	
4/24/24 9:00	<0.5	
4/24/24 10:00	0.59	
4/24/24 11:00	<0.5	
4/24/24 12:00	0.87	
4/24/24 13:00	<0.5	
4/24/24 14:00	<0.5	
4/24/24 15:00	<0.5	
4/24/24 16:00	<0.5	
4/24/24 17:00	<0.5	
4/24/24 18:00	<0.5	
4/24/24 19:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/24/24 20:00	<0.5	
4/24/24 21:00	<0.5	
4/24/24 22:00	<0.5	
4/24/24 23:00	<0.5	
4/25/24 0:00	<0.5	
4/25/24 1:00	<0.5	
4/25/24 2:00	<0.5	
4/25/24 3:00	<0.5	
4/25/24 4:00	<0.5	
4/25/24 5:00	<0.5	
4/25/24 6:00	<0.5	
4/25/24 7:00	<0.5	
4/25/24 8:00	<0.5	
4/25/24 9:00	<0.5	
4/25/24 10:00	<0.5	
4/25/24 11:00	<0.5	
4/25/24 12:00	<0.5	
4/25/24 13:00	<0.5	
4/25/24 14:00	<0.5	
4/25/24 15:00	<0.5	
4/25/24 16:00	<0.5	
4/25/24 17:00	<0.5	
4/25/24 18:00	<0.5	
4/25/24 19:00	<0.5	
4/25/24 20:00	<0.5	
4/25/24 21:00	<0.5	
4/25/24 22:00	<0.5	
4/25/24 23:00	<0.5	
4/26/24 0:00	3.56	
4/26/24 1:00	1.57	
4/26/24 2:00	7.63	
4/26/24 3:00	2.91	
4/26/24 4:00	0.55	
4/26/24 5:00	10.47	
4/26/24 6:00	8.64	
4/26/24 7:00	<0.5	
4/26/24 8:00	3.39	
4/26/24 9:00	2.05	
4/26/24 10:00	1.41	
4/26/24 11:00	1.60	
4/26/24 12:00	<0.5	
4/26/24 13:00	<0.5	
4/26/24 14:00	<0.5	
4/26/24 15:00	0.58	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/26/24 16:00	1.40	
4/26/24 17:00	1.05	
4/26/24 18:00	<0.5	
4/26/24 19:00	2.07	
4/26/24 20:00	1.41	
4/26/24 21:00	2.97	
4/26/24 22:00	<0.5	
4/26/24 23:00	2.31	
4/27/24 0:00	1.20	
4/27/24 1:00	1.85	
4/27/24 2:00	6.54	
4/27/24 3:00	5.06	
4/27/24 4:00	<0.5	
4/27/24 5:00	<0.5	
4/27/24 6:00	<0.5	
4/27/24 7:00	<0.5	
4/27/24 8:00	1.70	
4/27/24 9:00	1.32	
4/27/24 10:00	3.42	
4/27/24 11:00	4.02	
4/27/24 12:00	2.86	
4/27/24 13:00	<0.5	
4/27/24 14:00	<0.5	
4/27/24 15:00	<0.5	
4/27/24 16:00	<0.5	
4/27/24 17:00	<0.5	
4/27/24 18:00	<0.5	
4/27/24 19:00	<0.5	
4/27/24 20:00	0.62	
4/27/24 21:00	0.72	
4/27/24 22:00	9.27	
4/27/24 23:00	1.24	
4/28/24 0:00	0.52	
4/28/24 1:00	<0.5	
4/28/24 2:00	2.11	
4/28/24 3:00	2.86	
4/28/24 4:00	4.71	
4/28/24 5:00	<0.5	
4/28/24 6:00	3.25	
4/28/24 7:00	<0.5	
4/28/24 8:00	2.21	
4/28/24 9:00	7.58	
4/28/24 10:00	2.07	
4/28/24 11:00	0.63	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/28/24 12:00	<0.5	
4/28/24 13:00	<0.5	
4/28/24 14:00	<0.5	
4/28/24 15:00	<0.5	
4/28/24 16:00	<0.5	
4/28/24 17:00	<0.5	
4/28/24 18:00	<0.5	
4/28/24 19:00	0.98	
4/28/24 20:00	9.69	
4/28/24 21:00	7.45	
4/28/24 22:00	1.75	
4/28/24 23:00	0.90	
4/29/24 0:00	5.48	
4/29/24 1:00	1.07	
4/29/24 2:00	0.67	
4/29/24 3:00	<0.5	
4/29/24 4:00	<0.5	
4/29/24 5:00	1.05	
4/29/24 6:00	1.99	
4/29/24 7:00	0.77	
4/29/24 8:00	<0.5	
4/29/24 9:00	1.16	
4/29/24 10:00	6.79	
4/29/24 11:00	107.28	
4/29/24 12:00	2.10	
4/29/24 13:00	<0.5	
4/29/24 14:00	<0.5	
4/29/24 15:00	<0.5	
4/29/24 16:00	0.54	
4/29/24 17:00	4.76	
4/29/24 18:00	5.42	
4/29/24 19:00	3.46	
4/29/24 20:00	2.12	
4/29/24 21:00	2.67	
4/29/24 22:00	1.47	
4/29/24 23:00	1.16	
4/30/24 0:00	0.84	
4/30/24 1:00	<0.5	
4/30/24 2:00	<0.5	
4/30/24 3:00	<0.5	
4/30/24 4:00	<0.5	
4/30/24 5:00	<0.5	
4/30/24 6:00	<0.5	
4/30/24 7:00	<0.5	

MS-04 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/30/24 8:00	<0.5	
4/30/24 9:00	4.22	
4/30/24 10:00	1.86	
4/30/24 11:00	0.71	
4/30/24 12:00	<0.5	
4/30/24 13:00	<0.5	
4/30/24 14:00	<0.5	
4/30/24 15:00	<0.5	
4/30/24 16:00	<0.5	
4/30/24 17:00	<0.5	
4/30/24 18:00	<0.5	
4/30/24 19:00	<0.5	
4/30/24 20:00	<0.5	
4/30/24 21:00	3.57	
4/30/24 22:00	5.03	
4/30/24 23:00	5.52	

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/1/24 0:00	--	Low Power/TRS Off/TRS Cal
4/1/24 1:00	--	Low Power/TRS Off/TRS Cal
4/1/24 2:00	--	Low Power/TRS Off/TRS Cal
4/1/24 3:00	--	Low Power/TRS Off/TRS Cal
4/1/24 4:00	--	Low Power/TRS Off/TRS Cal
4/1/24 5:00	--	Low Power/TRS Off/TRS Cal
4/1/24 6:00	--	Low Power/TRS Off/TRS Cal
4/1/24 7:00	--	Low Power/TRS Off/TRS Cal
4/1/24 8:00	--	Low Power/TRS Off/TRS Cal
4/1/24 9:00	--	Low Power/TRS Off/TRS Cal
4/1/24 10:00	--	Low Power/TRS Off/TRS Cal
4/1/24 11:00	--	Low Power/TRS Off/TRS Cal
4/1/24 12:00	--	Low Power/TRS Off/TRS Cal
4/1/24 13:00	--	Low Power/TRS Off/TRS Cal
4/1/24 14:00	--	Low Power/TRS Off/TRS Cal
4/1/24 15:00	--	Low Power/TRS Off/TRS Cal
4/1/24 16:00	--	Low Power/TRS Off/TRS Cal
4/1/24 17:00	--	Low Power/TRS Off/TRS Cal
4/1/24 18:00	--	Low Power/TRS Off/TRS Cal
4/1/24 19:00	--	Low Power/TRS Off/TRS Cal
4/1/24 20:00	--	Low Power/TRS Off/TRS Cal
4/1/24 21:00	--	Low Power/TRS Off/TRS Cal
4/1/24 22:00	--	Low Power/TRS Off/TRS Cal
4/1/24 23:00	--	Low Power/TRS Off/TRS Cal
4/2/24 0:00	--	Low Power/TRS Off/TRS Cal
4/2/24 1:00	--	Low Power/TRS Off/TRS Cal
4/2/24 2:00	--	Low Power/TRS Off/TRS Cal
4/2/24 3:00	--	Low Power/TRS Off/TRS Cal
4/2/24 4:00	--	Low Power/TRS Off/TRS Cal
4/2/24 5:00	--	Low Power/TRS Off/TRS Cal
4/2/24 6:00	--	Low Power/TRS Off/TRS Cal
4/2/24 7:00	--	Low Power/TRS Off/TRS Cal
4/2/24 8:00	--	Low Power/TRS Off/TRS Cal
4/2/24 9:00	--	Low Power/TRS Off/TRS Cal
4/2/24 10:00	--	Low Power/TRS Off/TRS Cal
4/2/24 11:00	--	Low Power/TRS Off/TRS Cal
4/2/24 12:00	--	Low Power/TRS Off/TRS Cal
4/2/24 13:00	--	Low Power/TRS Off/TRS Cal
4/2/24 14:00	--	Low Power/TRS Off/TRS Cal
4/2/24 15:00	--	Low Power/TRS Off/TRS Cal
4/2/24 16:00	--	Low Power/TRS Off/TRS Cal
4/2/24 17:00	--	Low Power/TRS Off/TRS Cal
4/2/24 18:00	--	Low Power/TRS Off/TRS Cal
4/2/24 19:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/2/24 20:00	--	Low Power/TRS Off/TRS Cal
4/2/24 21:00	--	Low Power/TRS Off/TRS Cal
4/2/24 22:00	--	Low Power/TRS Off/TRS Cal
4/2/24 23:00	--	Low Power/TRS Off/TRS Cal
4/3/24 0:00	--	Low Power/TRS Off/TRS Cal
4/3/24 1:00	--	Low Power/TRS Off/TRS Cal
4/3/24 2:00	--	Low Power/TRS Off/TRS Cal
4/3/24 3:00	--	Low Power/TRS Off/TRS Cal
4/3/24 4:00	--	Low Power/TRS Off/TRS Cal
4/3/24 5:00	--	Low Power/TRS Off/TRS Cal
4/3/24 6:00	--	Low Power/TRS Off/TRS Cal
4/3/24 7:00	--	Low Power/TRS Off/TRS Cal
4/3/24 8:00	--	Low Power/TRS Off/TRS Cal
4/3/24 9:00	--	Low Power/TRS Off/TRS Cal
4/3/24 10:00	--	Low Power/TRS Off/TRS Cal
4/3/24 11:00	--	Low Power/TRS Off/TRS Cal
4/3/24 12:00	--	Low Power/TRS Off/TRS Cal
4/3/24 13:00	--	Low Power/TRS Off/TRS Cal
4/3/24 14:00	--	Low Power/TRS Off/TRS Cal
4/3/24 15:00	--	Low Power/TRS Off/TRS Cal
4/3/24 16:00	--	Low Power/TRS Off/TRS Cal
4/3/24 17:00	--	Low Power/TRS Off/TRS Cal
4/3/24 18:00	--	Low Power/TRS Off/TRS Cal
4/3/24 19:00	--	Low Power/TRS Off/TRS Cal
4/3/24 20:00	--	Low Power/TRS Off/TRS Cal
4/3/24 21:00	--	Low Power/TRS Off/TRS Cal
4/3/24 22:00	--	Low Power/TRS Off/TRS Cal
4/3/24 23:00	--	Low Power/TRS Off/TRS Cal
4/4/24 0:00	--	Low Power/TRS Off/TRS Cal
4/4/24 1:00	--	Low Power/TRS Off/TRS Cal
4/4/24 2:00	--	Low Power/TRS Off/TRS Cal
4/4/24 3:00	--	Low Power/TRS Off/TRS Cal
4/4/24 4:00	--	Low Power/TRS Off/TRS Cal
4/4/24 5:00	--	Low Power/TRS Off/TRS Cal
4/4/24 6:00	--	Low Power/TRS Off/TRS Cal
4/4/24 7:00	--	Low Power/TRS Off/TRS Cal
4/4/24 8:00	--	Low Power/TRS Off/TRS Cal
4/4/24 9:00	--	Low Power/TRS Off/TRS Cal
4/4/24 10:00	--	Low Power/TRS Off/TRS Cal
4/4/24 11:00	--	Low Power/TRS Off/TRS Cal
4/4/24 12:00	--	Low Power/TRS Off/TRS Cal
4/4/24 13:00	--	Low Power/TRS Off/TRS Cal
4/4/24 14:00	--	Low Power/TRS Off/TRS Cal
4/4/24 15:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/4/24 16:00	--	Low Power/TRS Off/TRS Cal
4/4/24 17:00	--	Low Power/TRS Off/TRS Cal
4/4/24 18:00	--	Low Power/TRS Off/TRS Cal
4/4/24 19:00	--	Low Power/TRS Off/TRS Cal
4/4/24 20:00	--	Low Power/TRS Off/TRS Cal
4/4/24 21:00	--	Low Power/TRS Off/TRS Cal
4/4/24 22:00	--	Low Power/TRS Off/TRS Cal
4/4/24 23:00	--	Low Power/TRS Off/TRS Cal
4/5/24 0:00	--	Low Power/TRS Off/TRS Cal
4/5/24 1:00	--	Low Power/TRS Off/TRS Cal
4/5/24 2:00	--	Low Power/TRS Off/TRS Cal
4/5/24 3:00	--	Low Power/TRS Off/TRS Cal
4/5/24 4:00	--	Low Power/TRS Off/TRS Cal
4/5/24 5:00	--	Low Power/TRS Off/TRS Cal
4/5/24 6:00	--	Low Power/TRS Off/TRS Cal
4/5/24 7:00	--	Low Power/TRS Off/TRS Cal
4/5/24 8:00	--	Low Power/TRS Off/TRS Cal
4/5/24 9:00	--	Low Power/TRS Off/TRS Cal
4/5/24 10:00	--	Low Power/TRS Off/TRS Cal
4/5/24 11:00	--	Low Power/TRS Off/TRS Cal
4/5/24 12:00	--	Low Power/TRS Off/TRS Cal
4/5/24 13:00	--	Low Power/TRS Off/TRS Cal
4/5/24 14:00	--	Low Power/TRS Off/TRS Cal
4/5/24 15:00	--	Low Power/TRS Off/TRS Cal
4/5/24 16:00	--	Low Power/TRS Off/TRS Cal
4/5/24 17:00	--	Low Power/TRS Off/TRS Cal
4/5/24 18:00	--	Low Power/TRS Off/TRS Cal
4/5/24 19:00	--	Low Power/TRS Off/TRS Cal
4/5/24 20:00	--	Low Power/TRS Off/TRS Cal
4/5/24 21:00	--	Low Power/TRS Off/TRS Cal
4/5/24 22:00	--	Low Power/TRS Off/TRS Cal
4/5/24 23:00	--	Low Power/TRS Off/TRS Cal
4/6/24 0:00	--	Low Power/TRS Off/TRS Cal
4/6/24 1:00	--	Low Power/TRS Off/TRS Cal
4/6/24 2:00	--	Low Power/TRS Off/TRS Cal
4/6/24 3:00	--	Low Power/TRS Off/TRS Cal
4/6/24 4:00	--	Low Power/TRS Off/TRS Cal
4/6/24 5:00	--	Low Power/TRS Off/TRS Cal
4/6/24 6:00	--	Low Power/TRS Off/TRS Cal
4/6/24 7:00	--	Low Power/TRS Off/TRS Cal
4/6/24 8:00	--	Low Power/TRS Off/TRS Cal
4/6/24 9:00	--	Low Power/TRS Off/TRS Cal
4/6/24 10:00	--	Low Power/TRS Off/TRS Cal
4/6/24 11:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/6/24 12:00	--	Low Power/TRS Off/TRS Cal
4/6/24 13:00	--	Low Power/TRS Off/TRS Cal
4/6/24 14:00	--	Low Power/TRS Off/TRS Cal
4/6/24 15:00	--	Low Power/TRS Off/TRS Cal
4/6/24 16:00	--	Low Power/TRS Off/TRS Cal
4/6/24 17:00	--	Low Power/TRS Off/TRS Cal
4/6/24 18:00	--	Low Power/TRS Off/TRS Cal
4/6/24 19:00	--	Low Power/TRS Off/TRS Cal
4/6/24 20:00	--	Low Power/TRS Off/TRS Cal
4/6/24 21:00	--	Low Power/TRS Off/TRS Cal
4/6/24 22:00	--	Low Power/TRS Off/TRS Cal
4/6/24 23:00	--	Low Power/TRS Off/TRS Cal
4/7/24 0:00	--	Low Power/TRS Off/TRS Cal
4/7/24 1:00	--	Low Power/TRS Off/TRS Cal
4/7/24 2:00	--	Low Power/TRS Off/TRS Cal
4/7/24 3:00	--	Low Power/TRS Off/TRS Cal
4/7/24 4:00	--	Low Power/TRS Off/TRS Cal
4/7/24 5:00	--	Low Power/TRS Off/TRS Cal
4/7/24 6:00	--	Low Power/TRS Off/TRS Cal
4/7/24 7:00	--	Low Power/TRS Off/TRS Cal
4/7/24 8:00	--	Low Power/TRS Off/TRS Cal
4/7/24 9:00	--	Low Power/TRS Off/TRS Cal
4/7/24 10:00	--	Low Power/TRS Off/TRS Cal
4/7/24 11:00	--	Low Power/TRS Off/TRS Cal
4/7/24 12:00	--	Low Power/TRS Off/TRS Cal
4/7/24 13:00	--	Low Power/TRS Off/TRS Cal
4/7/24 14:00	--	Low Power/TRS Off/TRS Cal
4/7/24 15:00	--	Low Power/TRS Off/TRS Cal
4/7/24 16:00	--	Low Power/TRS Off/TRS Cal
4/7/24 17:00	--	Low Power/TRS Off/TRS Cal
4/7/24 18:00	--	Low Power/TRS Off/TRS Cal
4/7/24 19:00	--	Low Power/TRS Off/TRS Cal
4/7/24 20:00	--	Low Power/TRS Off/TRS Cal
4/7/24 21:00	--	Low Power/TRS Off/TRS Cal
4/7/24 22:00	--	Low Power/TRS Off/TRS Cal
4/7/24 23:00	--	Low Power/TRS Off/TRS Cal
4/8/24 0:00	--	Low Power/TRS Off/TRS Cal
4/8/24 1:00	--	Low Power/TRS Off/TRS Cal
4/8/24 2:00	--	Low Power/TRS Off/TRS Cal
4/8/24 3:00	--	Low Power/TRS Off/TRS Cal
4/8/24 4:00	--	Low Power/TRS Off/TRS Cal
4/8/24 5:00	--	Low Power/TRS Off/TRS Cal
4/8/24 6:00	--	Low Power/TRS Off/TRS Cal
4/8/24 7:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/8/24 8:00	--	Low Power/TRS Off/TRS Cal
4/8/24 9:00	--	Low Power/TRS Off/TRS Cal
4/8/24 10:00	--	Low Power/TRS Off/TRS Cal
4/8/24 11:00	--	Low Power/TRS Off/TRS Cal
4/8/24 12:00	--	Low Power/TRS Off/TRS Cal
4/8/24 13:00	--	Low Power/TRS Off/TRS Cal
4/8/24 14:00	--	Low Power/TRS Off/TRS Cal
4/8/24 15:00	--	Low Power/TRS Off/TRS Cal
4/8/24 16:00	--	Low Power/TRS Off/TRS Cal
4/8/24 17:00	--	Low Power/TRS Off/TRS Cal
4/8/24 18:00	--	Low Power/TRS Off/TRS Cal
4/8/24 19:00	--	Low Power/TRS Off/TRS Cal
4/8/24 20:00	--	Low Power/TRS Off/TRS Cal
4/8/24 21:00	--	Low Power/TRS Off/TRS Cal
4/8/24 22:00	--	Low Power/TRS Off/TRS Cal
4/8/24 23:00	--	Low Power/TRS Off/TRS Cal
4/9/24 0:00	--	Low Power/TRS Off/TRS Cal
4/9/24 1:00	--	Low Power/TRS Off/TRS Cal
4/9/24 2:00	--	Low Power/TRS Off/TRS Cal
4/9/24 3:00	--	Low Power/TRS Off/TRS Cal
4/9/24 4:00	--	Low Power/TRS Off/TRS Cal
4/9/24 5:00	--	Low Power/TRS Off/TRS Cal
4/9/24 6:00	--	Low Power/TRS Off/TRS Cal
4/9/24 7:00	--	Low Power/TRS Off/TRS Cal
4/9/24 8:00	--	Low Power/TRS Off/TRS Cal
4/9/24 9:00	--	Low Power/TRS Off/TRS Cal
4/9/24 10:00	--	Low Power/TRS Off/TRS Cal
4/9/24 11:00	--	Low Power/TRS Off/TRS Cal
4/9/24 12:00	--	Low Power/TRS Off/TRS Cal
4/9/24 13:00	--	Low Power/TRS Off/TRS Cal
4/9/24 14:00	--	Low Power/TRS Off/TRS Cal
4/9/24 15:00	--	Low Power/TRS Off/TRS Cal
4/9/24 16:00	--	Low Power/TRS Off/TRS Cal
4/9/24 17:00	--	Low Power/TRS Off/TRS Cal
4/9/24 18:00	--	Low Power/TRS Off/TRS Cal
4/9/24 19:00	--	Low Power/TRS Off/TRS Cal
4/9/24 20:00	--	Low Power/TRS Off/TRS Cal
4/9/24 21:00	--	Low Power/TRS Off/TRS Cal
4/9/24 22:00	--	Low Power/TRS Off/TRS Cal
4/9/24 23:00	--	Low Power/TRS Off/TRS Cal
4/10/24 0:00	--	Low Power/TRS Off/TRS Cal
4/10/24 1:00	--	Low Power/TRS Off/TRS Cal
4/10/24 2:00	--	Low Power/TRS Off/TRS Cal
4/10/24 3:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/10/24 4:00	--	Low Power/TRS Off/TRS Cal
4/10/24 5:00	--	Low Power/TRS Off/TRS Cal
4/10/24 6:00	--	Low Power/TRS Off/TRS Cal
4/10/24 7:00	--	Low Power/TRS Off/TRS Cal
4/10/24 8:00	--	Low Power/TRS Off/TRS Cal
4/10/24 9:00	--	Low Power/TRS Off/TRS Cal
4/10/24 10:00	--	Low Power/TRS Off/TRS Cal
4/10/24 11:00	--	Low Power/TRS Off/TRS Cal
4/10/24 12:00	--	Low Power/TRS Off/TRS Cal
4/10/24 13:00	--	Low Power/TRS Off/TRS Cal
4/10/24 14:00	--	Low Power/TRS Off/TRS Cal
4/10/24 15:00	--	Low Power/TRS Off/TRS Cal
4/10/24 16:00	--	Low Power/TRS Off/TRS Cal
4/10/24 17:00	--	Low Power/TRS Off/TRS Cal
4/10/24 18:00	--	Low Power/TRS Off/TRS Cal
4/10/24 19:00	--	Low Power/TRS Off/TRS Cal
4/10/24 20:00	--	Low Power/TRS Off/TRS Cal
4/10/24 21:00	--	Low Power/TRS Off/TRS Cal
4/10/24 22:00	--	Low Power/TRS Off/TRS Cal
4/10/24 23:00	--	Low Power/TRS Off/TRS Cal
4/11/24 0:00	--	Low Power/TRS Off/TRS Cal
4/11/24 1:00	--	Low Power/TRS Off/TRS Cal
4/11/24 2:00	--	Low Power/TRS Off/TRS Cal
4/11/24 3:00	--	Low Power/TRS Off/TRS Cal
4/11/24 4:00	--	Low Power/TRS Off/TRS Cal
4/11/24 5:00	--	Low Power/TRS Off/TRS Cal
4/11/24 6:00	--	Low Power/TRS Off/TRS Cal
4/11/24 7:00	--	Low Power/TRS Off/TRS Cal
4/11/24 8:00	--	Low Power/TRS Off/TRS Cal
4/11/24 9:00	--	Low Power/TRS Off/TRS Cal
4/11/24 10:00	--	Low Power/TRS Off/TRS Cal
4/11/24 11:00	--	Low Power/TRS Off/TRS Cal
4/11/24 12:00	--	Low Power/TRS Off/TRS Cal
4/11/24 13:00	--	Low Power/TRS Off/TRS Cal
4/11/24 14:00	--	Low Power/TRS Off/TRS Cal
4/11/24 15:00	--	Low Power/TRS Off/TRS Cal
4/11/24 16:00	--	Low Power/TRS Off/TRS Cal
4/11/24 17:00	--	Low Power/TRS Off/TRS Cal
4/11/24 18:00	--	Low Power/TRS Off/TRS Cal
4/11/24 19:00	--	Low Power/TRS Off/TRS Cal
4/11/24 20:00	--	Low Power/TRS Off/TRS Cal
4/11/24 21:00	--	Low Power/TRS Off/TRS Cal
4/11/24 22:00	--	Low Power/TRS Off/TRS Cal
4/11/24 23:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/12/24 0:00	--	Low Power/TRS Off/TRS Cal
4/12/24 1:00	--	Low Power/TRS Off/TRS Cal
4/12/24 2:00	--	Low Power/TRS Off/TRS Cal
4/12/24 3:00	--	Low Power/TRS Off/TRS Cal
4/12/24 4:00	--	Low Power/TRS Off/TRS Cal
4/12/24 5:00	--	Low Power/TRS Off/TRS Cal
4/12/24 6:00	--	Low Power/TRS Off/TRS Cal
4/12/24 7:00	--	Low Power/TRS Off/TRS Cal
4/12/24 8:00	--	Low Power/TRS Off/TRS Cal
4/12/24 9:00	--	Low Power/TRS Off/TRS Cal
4/12/24 10:00	--	Low Power/TRS Off/TRS Cal
4/12/24 11:00	--	Low Power/TRS Off/TRS Cal
4/12/24 12:00	--	Low Power/TRS Off/TRS Cal
4/12/24 13:00	--	Low Power/TRS Off/TRS Cal
4/12/24 14:00	--	Low Power/TRS Off/TRS Cal
4/12/24 15:00	--	Low Power/TRS Off/TRS Cal
4/12/24 16:00	--	Low Power/TRS Off/TRS Cal
4/12/24 17:00	--	Low Power/TRS Off/TRS Cal
4/12/24 18:00	--	Low Power/TRS Off/TRS Cal
4/12/24 19:00	--	Low Power/TRS Off/TRS Cal
4/12/24 20:00	--	Low Power/TRS Off/TRS Cal
4/12/24 21:00	--	Low Power/TRS Off/TRS Cal
4/12/24 22:00	--	Low Power/TRS Off/TRS Cal
4/12/24 23:00	--	Low Power/TRS Off/TRS Cal
4/13/24 0:00	--	Low Power/TRS Off/TRS Cal
4/13/24 1:00	--	Low Power/TRS Off/TRS Cal
4/13/24 2:00	--	Low Power/TRS Off/TRS Cal
4/13/24 3:00	--	Low Power/TRS Off/TRS Cal
4/13/24 4:00	--	Low Power/TRS Off/TRS Cal
4/13/24 5:00	--	Low Power/TRS Off/TRS Cal
4/13/24 6:00	--	Low Power/TRS Off/TRS Cal
4/13/24 7:00	--	Low Power/TRS Off/TRS Cal
4/13/24 8:00	--	Low Power/TRS Off/TRS Cal
4/13/24 9:00	--	Low Power/TRS Off/TRS Cal
4/13/24 10:00	--	Low Power/TRS Off/TRS Cal
4/13/24 11:00	--	Low Power/TRS Off/TRS Cal
4/13/24 12:00	--	Low Power/TRS Off/TRS Cal
4/13/24 13:00	--	Low Power/TRS Off/TRS Cal
4/13/24 14:00	--	Low Power/TRS Off/TRS Cal
4/13/24 15:00	--	Low Power/TRS Off/TRS Cal
4/13/24 16:00	--	Low Power/TRS Off/TRS Cal
4/13/24 17:00	--	Low Power/TRS Off/TRS Cal
4/13/24 18:00	--	Low Power/TRS Off/TRS Cal
4/13/24 19:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/13/24 20:00	--	Low Power/TRS Off/TRS Cal
4/13/24 21:00	--	Low Power/TRS Off/TRS Cal
4/13/24 22:00	--	Low Power/TRS Off/TRS Cal
4/13/24 23:00	--	Low Power/TRS Off/TRS Cal
4/14/24 0:00	--	Low Power/TRS Off/TRS Cal
4/14/24 1:00	--	Low Power/TRS Off/TRS Cal
4/14/24 2:00	--	Low Power/TRS Off/TRS Cal
4/14/24 3:00	--	Low Power/TRS Off/TRS Cal
4/14/24 4:00	--	Low Power/TRS Off/TRS Cal
4/14/24 5:00	--	Low Power/TRS Off/TRS Cal
4/14/24 6:00	--	Low Power/TRS Off/TRS Cal
4/14/24 7:00	--	Low Power/TRS Off/TRS Cal
4/14/24 8:00	--	Low Power/TRS Off/TRS Cal
4/14/24 9:00	--	Low Power/TRS Off/TRS Cal
4/14/24 10:00	--	Low Power/TRS Off/TRS Cal
4/14/24 11:00	--	Low Power/TRS Off/TRS Cal
4/14/24 12:00	--	Low Power/TRS Off/TRS Cal
4/14/24 13:00	--	Low Power/TRS Off/TRS Cal
4/14/24 14:00	--	Low Power/TRS Off/TRS Cal
4/14/24 15:00	--	Low Power/TRS Off/TRS Cal
4/14/24 16:00	--	Low Power/TRS Off/TRS Cal
4/14/24 17:00	--	Low Power/TRS Off/TRS Cal
4/14/24 18:00	--	Low Power/TRS Off/TRS Cal
4/14/24 19:00	--	Low Power/TRS Off/TRS Cal
4/14/24 20:00	--	Low Power/TRS Off/TRS Cal
4/14/24 21:00	--	Low Power/TRS Off/TRS Cal
4/14/24 22:00	--	Low Power/TRS Off/TRS Cal
4/14/24 23:00	--	Low Power/TRS Off/TRS Cal
4/15/24 0:00	--	Low Power/TRS Off/TRS Cal
4/15/24 1:00	--	Low Power/TRS Off/TRS Cal
4/15/24 2:00	--	Low Power/TRS Off/TRS Cal
4/15/24 3:00	--	Low Power/TRS Off/TRS Cal
4/15/24 4:00	--	Low Power/TRS Off/TRS Cal
4/15/24 5:00	--	Low Power/TRS Off/TRS Cal
4/15/24 6:00	--	Low Power/TRS Off/TRS Cal
4/15/24 7:00	--	Low Power/TRS Off/TRS Cal
4/15/24 8:00	--	Low Power/TRS Off/TRS Cal
4/15/24 9:00	--	Low Power/TRS Off/TRS Cal
4/15/24 10:00	--	Low Power/TRS Off/TRS Cal
4/15/24 11:00	--	Low Power/TRS Off/TRS Cal
4/15/24 12:00	--	Low Power/TRS Off/TRS Cal
4/15/24 13:00	--	Low Power/TRS Off/TRS Cal
4/15/24 14:00	--	Low Power/TRS Off/TRS Cal
4/15/24 15:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/15/24 16:00	--	Low Power/TRS Off/TRS Cal
4/15/24 17:00	--	Low Power/TRS Off/TRS Cal
4/15/24 18:00	--	Low Power/TRS Off/TRS Cal
4/15/24 19:00	--	Low Power/TRS Off/TRS Cal
4/15/24 20:00	--	Low Power/TRS Off/TRS Cal
4/15/24 21:00	--	Low Power/TRS Off/TRS Cal
4/15/24 22:00	--	Low Power/TRS Off/TRS Cal
4/15/24 23:00	--	Low Power/TRS Off/TRS Cal
4/16/24 0:00	--	Low Power/TRS Off/TRS Cal
4/16/24 1:00	--	Low Power/TRS Off/TRS Cal
4/16/24 2:00	--	Low Power/TRS Off/TRS Cal
4/16/24 3:00	--	Low Power/TRS Off/TRS Cal
4/16/24 4:00	--	Low Power/TRS Off/TRS Cal
4/16/24 5:00	--	Low Power/TRS Off/TRS Cal
4/16/24 6:00	--	Low Power/TRS Off/TRS Cal
4/16/24 7:00	--	Low Power/TRS Off/TRS Cal
4/16/24 8:00	--	Low Power/TRS Off/TRS Cal
4/16/24 9:00	--	Low Power/TRS Off/TRS Cal
4/16/24 10:00	--	Low Power/TRS Off/TRS Cal
4/16/24 11:00	--	Low Power/TRS Off/TRS Cal
4/16/24 12:00	--	Low Power/TRS Off/TRS Cal
4/16/24 13:00	--	Low Power/TRS Off/TRS Cal
4/16/24 14:00	--	Low Power/TRS Off/TRS Cal
4/16/24 15:00	--	Low Power/TRS Off/TRS Cal
4/16/24 16:00	--	Low Power/TRS Off/TRS Cal
4/16/24 17:00	--	Low Power/TRS Off/TRS Cal
4/16/24 18:00	--	Low Power/TRS Off/TRS Cal
4/16/24 19:00	--	Low Power/TRS Off/TRS Cal
4/16/24 20:00	--	Low Power/TRS Off/TRS Cal
4/16/24 21:00	--	Low Power/TRS Off/TRS Cal
4/16/24 22:00	--	Low Power/TRS Off/TRS Cal
4/16/24 23:00	--	Low Power/TRS Off/TRS Cal
4/17/24 0:00	--	Low Power/TRS Off/TRS Cal
4/17/24 1:00	--	Low Power/TRS Off/TRS Cal
4/17/24 2:00	--	Low Power/TRS Off/TRS Cal
4/17/24 3:00	--	Low Power/TRS Off/TRS Cal
4/17/24 4:00	--	Low Power/TRS Off/TRS Cal
4/17/24 5:00	--	Low Power/TRS Off/TRS Cal
4/17/24 6:00	--	Low Power/TRS Off/TRS Cal
4/17/24 7:00	--	Low Power/TRS Off/TRS Cal
4/17/24 8:00	--	Low Power/TRS Off/TRS Cal
4/17/24 9:00	--	Low Power/TRS Off/TRS Cal
4/17/24 10:00	--	Low Power/TRS Off/TRS Cal
4/17/24 11:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/17/24 12:00	--	Low Power/TRS Off/TRS Cal
4/17/24 13:00	--	Low Power/TRS Off/TRS Cal
4/17/24 14:00	--	Low Power/TRS Off/TRS Cal
4/17/24 15:00	--	Low Power/TRS Off/TRS Cal
4/17/24 16:00	--	Low Power/TRS Off/TRS Cal
4/17/24 17:00	--	Low Power/TRS Off/TRS Cal
4/17/24 18:00	--	Low Power/TRS Off/TRS Cal
4/17/24 19:00	--	Low Power/TRS Off/TRS Cal
4/17/24 20:00	--	Low Power/TRS Off/TRS Cal
4/17/24 21:00	--	Low Power/TRS Off/TRS Cal
4/17/24 22:00	--	Low Power/TRS Off/TRS Cal
4/17/24 23:00	--	Low Power/TRS Off/TRS Cal
4/18/24 0:00	--	Low Power/TRS Off/TRS Cal
4/18/24 1:00	--	Low Power/TRS Off/TRS Cal
4/18/24 2:00	--	Low Power/TRS Off/TRS Cal
4/18/24 3:00	--	Low Power/TRS Off/TRS Cal
4/18/24 4:00	--	Low Power/TRS Off/TRS Cal
4/18/24 5:00	--	Low Power/TRS Off/TRS Cal
4/18/24 6:00	--	Low Power/TRS Off/TRS Cal
4/18/24 7:00	--	Low Power/TRS Off/TRS Cal
4/18/24 8:00	--	Low Power/TRS Off/TRS Cal
4/18/24 9:00	--	Low Power/TRS Off/TRS Cal
4/18/24 10:00	--	Low Power/TRS Off/TRS Cal
4/18/24 11:00	--	Low Power/TRS Off/TRS Cal
4/18/24 12:00	--	Low Power/TRS Off/TRS Cal
4/18/24 13:00	--	Low Power/TRS Off/TRS Cal
4/18/24 14:00	--	Low Power/TRS Off/TRS Cal
4/18/24 15:00	--	Low Power/TRS Off/TRS Cal
4/18/24 16:00	--	Low Power/TRS Off/TRS Cal
4/18/24 17:00	--	Low Power/TRS Off/TRS Cal
4/18/24 18:00	--	Low Power/TRS Off/TRS Cal
4/18/24 19:00	--	Low Power/TRS Off/TRS Cal
4/18/24 20:00	--	Low Power/TRS Off/TRS Cal
4/18/24 21:00	--	Low Power/TRS Off/TRS Cal
4/18/24 22:00	--	Low Power/TRS Off/TRS Cal
4/18/24 23:00	--	Low Power/TRS Off/TRS Cal
4/19/24 0:00	--	Low Power/TRS Off/TRS Cal
4/19/24 1:00	--	Low Power/TRS Off/TRS Cal
4/19/24 2:00	--	Low Power/TRS Off/TRS Cal
4/19/24 3:00	--	Low Power/TRS Off/TRS Cal
4/19/24 4:00	--	Low Power/TRS Off/TRS Cal
4/19/24 5:00	--	Low Power/TRS Off/TRS Cal
4/19/24 6:00	--	Low Power/TRS Off/TRS Cal
4/19/24 7:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/19/24 8:00	--	Low Power/TRS Off/TRS Cal
4/19/24 9:00	--	Low Power/TRS Off/TRS Cal
4/19/24 10:00	--	Low Power/TRS Off/TRS Cal
4/19/24 11:00	--	Low Power/TRS Off/TRS Cal
4/19/24 12:00	--	Low Power/TRS Off/TRS Cal
4/19/24 13:00	--	Low Power/TRS Off/TRS Cal
4/19/24 14:00	--	Low Power/TRS Off/TRS Cal
4/19/24 15:00	--	Low Power/TRS Off/TRS Cal
4/19/24 16:00	--	Low Power/TRS Off/TRS Cal
4/19/24 17:00	--	Low Power/TRS Off/TRS Cal
4/19/24 18:00	--	Low Power/TRS Off/TRS Cal
4/19/24 19:00	--	Low Power/TRS Off/TRS Cal
4/19/24 20:00	--	Low Power/TRS Off/TRS Cal
4/19/24 21:00	--	Low Power/TRS Off/TRS Cal
4/19/24 22:00	--	Low Power/TRS Off/TRS Cal
4/19/24 23:00	--	Low Power/TRS Off/TRS Cal
4/20/24 0:00	--	Low Power/TRS Off/TRS Cal
4/20/24 1:00	--	Low Power/TRS Off/TRS Cal
4/20/24 2:00	--	Low Power/TRS Off/TRS Cal
4/20/24 3:00	--	Low Power/TRS Off/TRS Cal
4/20/24 4:00	--	Low Power/TRS Off/TRS Cal
4/20/24 5:00	--	Low Power/TRS Off/TRS Cal
4/20/24 6:00	--	Low Power/TRS Off/TRS Cal
4/20/24 7:00	--	Low Power/TRS Off/TRS Cal
4/20/24 8:00	--	Low Power/TRS Off/TRS Cal
4/20/24 9:00	--	Low Power/TRS Off/TRS Cal
4/20/24 10:00	--	Low Power/TRS Off/TRS Cal
4/20/24 11:00	--	Low Power/TRS Off/TRS Cal
4/20/24 12:00	--	Low Power/TRS Off/TRS Cal
4/20/24 13:00	--	Low Power/TRS Off/TRS Cal
4/20/24 14:00	--	Low Power/TRS Off/TRS Cal
4/20/24 15:00	--	Low Power/TRS Off/TRS Cal
4/20/24 16:00	--	Low Power/TRS Off/TRS Cal
4/20/24 17:00	--	Low Power/TRS Off/TRS Cal
4/20/24 18:00	--	Low Power/TRS Off/TRS Cal
4/20/24 19:00	--	Low Power/TRS Off/TRS Cal
4/20/24 20:00	--	Low Power/TRS Off/TRS Cal
4/20/24 21:00	--	Low Power/TRS Off/TRS Cal
4/20/24 22:00	--	Low Power/TRS Off/TRS Cal
4/20/24 23:00	--	Low Power/TRS Off/TRS Cal
4/21/24 0:00	--	Low Power/TRS Off/TRS Cal
4/21/24 1:00	--	Low Power/TRS Off/TRS Cal
4/21/24 2:00	--	Low Power/TRS Off/TRS Cal
4/21/24 3:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/21/24 4:00	--	Low Power/TRS Off/TRS Cal
4/21/24 5:00	--	Low Power/TRS Off/TRS Cal
4/21/24 6:00	--	Low Power/TRS Off/TRS Cal
4/21/24 7:00	--	Low Power/TRS Off/TRS Cal
4/21/24 8:00	--	Low Power/TRS Off/TRS Cal
4/21/24 9:00	--	Low Power/TRS Off/TRS Cal
4/21/24 10:00	--	Low Power/TRS Off/TRS Cal
4/21/24 11:00	--	Low Power/TRS Off/TRS Cal
4/21/24 12:00	--	Low Power/TRS Off/TRS Cal
4/21/24 13:00	--	Low Power/TRS Off/TRS Cal
4/21/24 14:00	--	Low Power/TRS Off/TRS Cal
4/21/24 15:00	--	Low Power/TRS Off/TRS Cal
4/21/24 16:00	--	Low Power/TRS Off/TRS Cal
4/21/24 17:00	--	Low Power/TRS Off/TRS Cal
4/21/24 18:00	--	Low Power/TRS Off/TRS Cal
4/21/24 19:00	--	Low Power/TRS Off/TRS Cal
4/21/24 20:00	--	Low Power/TRS Off/TRS Cal
4/21/24 21:00	--	Low Power/TRS Off/TRS Cal
4/21/24 22:00	--	Low Power/TRS Off/TRS Cal
4/21/24 23:00	--	Low Power/TRS Off/TRS Cal
4/22/24 0:00	--	Low Power/TRS Off/TRS Cal
4/22/24 1:00	--	Low Power/TRS Off/TRS Cal
4/22/24 2:00	--	Low Power/TRS Off/TRS Cal
4/22/24 3:00	--	Low Power/TRS Off/TRS Cal
4/22/24 4:00	--	Low Power/TRS Off/TRS Cal
4/22/24 5:00	--	Low Power/TRS Off/TRS Cal
4/22/24 6:00	--	Low Power/TRS Off/TRS Cal
4/22/24 7:00	--	Low Power/TRS Off/TRS Cal
4/22/24 8:00	--	Low Power/TRS Off/TRS Cal
4/22/24 9:00	--	Low Power/TRS Off/TRS Cal
4/22/24 10:00	--	Low Power/TRS Off/TRS Cal
4/22/24 11:00	--	Low Power/TRS Off/TRS Cal
4/22/24 12:00	--	Low Power/TRS Off/TRS Cal
4/22/24 13:00	--	Low Power/TRS Off/TRS Cal
4/22/24 14:00	--	Low Power/TRS Off/TRS Cal
4/22/24 15:00	--	Low Power/TRS Off/TRS Cal
4/22/24 16:00	--	Low Power/TRS Off/TRS Cal
4/22/24 17:00	--	Low Power/TRS Off/TRS Cal
4/22/24 18:00	--	Low Power/TRS Off/TRS Cal
4/22/24 19:00	--	Low Power/TRS Off/TRS Cal
4/22/24 20:00	--	Low Power/TRS Off/TRS Cal
4/22/24 21:00	--	Low Power/TRS Off/TRS Cal
4/22/24 22:00	--	Low Power/TRS Off/TRS Cal
4/22/24 23:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/23/24 0:00	--	Low Power/TRS Off/TRS Cal
4/23/24 1:00	--	Low Power/TRS Off/TRS Cal
4/23/24 2:00	--	Low Power/TRS Off/TRS Cal
4/23/24 3:00	--	Low Power/TRS Off/TRS Cal
4/23/24 4:00	--	Low Power/TRS Off/TRS Cal
4/23/24 5:00	--	Low Power/TRS Off/TRS Cal
4/23/24 6:00	--	Low Power/TRS Off/TRS Cal
4/23/24 7:00	--	Low Power/TRS Off/TRS Cal
4/23/24 8:00	--	Low Power/TRS Off/TRS Cal
4/23/24 9:00	--	Low Power/TRS Off/TRS Cal
4/23/24 10:00	--	Low Power/TRS Off/TRS Cal
4/23/24 11:00	--	Low Power/TRS Off/TRS Cal
4/23/24 12:00	--	Low Power/TRS Off/TRS Cal
4/23/24 13:00	2.04	
4/23/24 14:00	1.14	
4/23/24 15:00	0.57	
4/23/24 16:00	<0.5	
4/23/24 17:00	<0.5	
4/23/24 18:00	<0.5	
4/23/24 19:00	<0.5	
4/23/24 20:00	<0.5	
4/23/24 21:00	<0.5	
4/23/24 22:00	<0.5	
4/23/24 23:00	<0.5	
4/24/24 0:00	<0.5	
4/24/24 1:00	<0.5	
4/24/24 2:00	<0.5	
4/24/24 3:00	<0.5	
4/24/24 4:00	<0.5	
4/24/24 5:00	<0.5	
4/24/24 6:00	<0.5	
4/24/24 7:00	<0.5	
4/24/24 8:00	0.70	
4/24/24 9:00	<0.5	
4/24/24 10:00	<0.5	
4/24/24 11:00	<0.5	
4/24/24 12:00	<0.5	
4/24/24 13:00	<0.5	
4/24/24 14:00	<0.5	
4/24/24 15:00	<0.5	
4/24/24 16:00	<0.5	
4/24/24 17:00	<0.5	
4/24/24 18:00	<0.5	
4/24/24 19:00	<0.5	

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/24/24 20:00	<0.5	
4/24/24 21:00	<0.5	
4/24/24 22:00	<0.5	
4/24/24 23:00	<0.5	
4/25/24 0:00	<0.5	
4/25/24 1:00	<0.5	
4/25/24 2:00	<0.5	
4/25/24 3:00	<0.5	
4/25/24 4:00	<0.5	
4/25/24 5:00	<0.5	
4/25/24 6:00	<0.5	
4/25/24 7:00	<0.5	
4/25/24 8:00	<0.5	
4/25/24 9:00	<0.5	
4/25/24 10:00	<0.5	
4/25/24 11:00	<0.5	
4/25/24 12:00	<0.5	
4/25/24 13:00	<0.5	
4/25/24 14:00	<0.5	
4/25/24 15:00	<0.5	
4/25/24 16:00	<0.5	
4/25/24 17:00	<0.5	
4/25/24 18:00	<0.5	
4/25/24 19:00	<0.5	
4/25/24 20:00	<0.5	
4/25/24 21:00	<0.5	
4/25/24 22:00	<0.5	
4/25/24 23:00	<0.5	
4/26/24 0:00	<0.5	
4/26/24 1:00	<0.5	
4/26/24 2:00	--	Low Power/TRS Off/TRS Cal
4/26/24 3:00	--	Low Power/TRS Off/TRS Cal
4/26/24 4:00	--	Low Power/TRS Off/TRS Cal
4/26/24 5:00	--	Low Power/TRS Off/TRS Cal
4/26/24 6:00	--	Low Power/TRS Off/TRS Cal
4/26/24 7:00	--	Low Power/TRS Off/TRS Cal
4/26/24 8:00	--	Low Power/TRS Off/TRS Cal
4/26/24 9:00	--	Low Power/TRS Off/TRS Cal
4/26/24 10:00	--	Low Power/TRS Off/TRS Cal
4/26/24 11:00	--	Low Power/TRS Off/TRS Cal
4/26/24 12:00	<0.5	
4/26/24 13:00	<0.5	
4/26/24 14:00	<0.5	
4/26/24 15:00	<0.5	

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/26/24 16:00	<0.5	
4/26/24 17:00	<0.5	
4/26/24 18:00	--	Low Power/TRS Off/TRS Cal
4/26/24 19:00	--	Low Power/TRS Off/TRS Cal
4/26/24 20:00	--	Low Power/TRS Off/TRS Cal
4/26/24 21:00	--	Low Power/TRS Off/TRS Cal
4/26/24 22:00	--	Low Power/TRS Off/TRS Cal
4/26/24 23:00	--	Low Power/TRS Off/TRS Cal
4/27/24 0:00	--	Low Power/TRS Off/TRS Cal
4/27/24 1:00	--	Low Power/TRS Off/TRS Cal
4/27/24 2:00	--	Low Power/TRS Off/TRS Cal
4/27/24 3:00	--	Low Power/TRS Off/TRS Cal
4/27/24 4:00	--	Low Power/TRS Off/TRS Cal
4/27/24 5:00	--	Low Power/TRS Off/TRS Cal
4/27/24 6:00	--	Low Power/TRS Off/TRS Cal
4/27/24 7:00	--	Low Power/TRS Off/TRS Cal
4/27/24 8:00	--	Low Power/TRS Off/TRS Cal
4/27/24 9:00	--	Low Power/TRS Off/TRS Cal
4/27/24 10:00	--	Low Power/TRS Off/TRS Cal
4/27/24 11:00	--	Low Power/TRS Off/TRS Cal
4/27/24 12:00	<0.5	
4/27/24 13:00	<0.5	
4/27/24 14:00	<0.5	
4/27/24 15:00	<0.5	
4/27/24 16:00	<0.5	
4/27/24 17:00	<0.5	
4/27/24 18:00	--	Low Power/TRS Off/TRS Cal
4/27/24 19:00	--	Low Power/TRS Off/TRS Cal
4/27/24 20:00	--	Low Power/TRS Off/TRS Cal
4/27/24 21:00	--	Low Power/TRS Off/TRS Cal
4/27/24 22:00	--	Low Power/TRS Off/TRS Cal
4/27/24 23:00	--	Low Power/TRS Off/TRS Cal
4/28/24 0:00	--	Low Power/TRS Off/TRS Cal
4/28/24 1:00	--	Low Power/TRS Off/TRS Cal
4/28/24 2:00	--	Low Power/TRS Off/TRS Cal
4/28/24 3:00	--	Low Power/TRS Off/TRS Cal
4/28/24 4:00	--	Low Power/TRS Off/TRS Cal
4/28/24 5:00	--	Low Power/TRS Off/TRS Cal
4/28/24 6:00	--	Low Power/TRS Off/TRS Cal
4/28/24 7:00	--	Low Power/TRS Off/TRS Cal
4/28/24 8:00	--	Low Power/TRS Off/TRS Cal
4/28/24 9:00	--	Low Power/TRS Off/TRS Cal
4/28/24 10:00	--	Low Power/TRS Off/TRS Cal
4/28/24 11:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/28/24 12:00	<0.5	
4/28/24 13:00	<0.5	
4/28/24 14:00	<0.5	
4/28/24 15:00	<0.5	
4/28/24 16:00	<0.5	
4/28/24 17:00	<0.5	
4/28/24 18:00	--	Low Power/TRS Off/TRS Cal
4/28/24 19:00	--	Low Power/TRS Off/TRS Cal
4/28/24 20:00	--	Low Power/TRS Off/TRS Cal
4/28/24 21:00	--	Low Power/TRS Off/TRS Cal
4/28/24 22:00	--	Low Power/TRS Off/TRS Cal
4/28/24 23:00	--	Low Power/TRS Off/TRS Cal
4/29/24 0:00	--	Low Power/TRS Off/TRS Cal
4/29/24 1:00	--	Low Power/TRS Off/TRS Cal
4/29/24 2:00	--	Low Power/TRS Off/TRS Cal
4/29/24 3:00	--	Low Power/TRS Off/TRS Cal
4/29/24 4:00	--	Low Power/TRS Off/TRS Cal
4/29/24 5:00	--	Low Power/TRS Off/TRS Cal
4/29/24 6:00	--	Low Power/TRS Off/TRS Cal
4/29/24 7:00	--	Low Power/TRS Off/TRS Cal
4/29/24 8:00	--	Low Power/TRS Off/TRS Cal
4/29/24 9:00	--	Low Power/TRS Off/TRS Cal
4/29/24 10:00	--	Low Power/TRS Off/TRS Cal
4/29/24 11:00	--	Low Power/TRS Off/TRS Cal
4/29/24 12:00	<0.5	
4/29/24 13:00	<0.5	
4/29/24 14:00	<0.5	
4/29/24 15:00	<0.5	
4/29/24 16:00	<0.5	
4/29/24 17:00	<0.5	
4/29/24 18:00	--	Low Power/TRS Off/TRS Cal
4/29/24 19:00	--	Low Power/TRS Off/TRS Cal
4/29/24 20:00	--	Low Power/TRS Off/TRS Cal
4/29/24 21:00	--	Low Power/TRS Off/TRS Cal
4/29/24 22:00	--	Low Power/TRS Off/TRS Cal
4/29/24 23:00	--	Low Power/TRS Off/TRS Cal
4/30/24 0:00	--	Low Power/TRS Off/TRS Cal
4/30/24 1:00	--	Low Power/TRS Off/TRS Cal
4/30/24 2:00	--	Low Power/TRS Off/TRS Cal
4/30/24 3:00	--	Low Power/TRS Off/TRS Cal
4/30/24 4:00	--	Low Power/TRS Off/TRS Cal
4/30/24 5:00	--	Low Power/TRS Off/TRS Cal
4/30/24 6:00	--	Low Power/TRS Off/TRS Cal
4/30/24 7:00	--	Low Power/TRS Off/TRS Cal

MS-12 TRS 1HR AVG. April 2024

TIMESTAMP	TRS (ppb)	Comment
4/30/24 8:00	--	Low Power/TRS Off/TRS Cal
4/30/24 9:00	--	Low Power/TRS Off/TRS Cal
4/30/24 10:00	--	Low Power/TRS Off/TRS Cal
4/30/24 11:00	--	Low Power/TRS Off/TRS Cal
4/30/24 12:00	--	Low Power/TRS Off/TRS Cal
4/30/24 13:00	--	Low Power/TRS Off/TRS Cal
4/30/24 14:00	--	Low Power/TRS Off/TRS Cal
4/30/24 15:00	--	Low Power/TRS Off/TRS Cal
4/30/24 16:00	--	Low Power/TRS Off/TRS Cal
4/30/24 17:00	--	Low Power/TRS Off/TRS Cal
4/30/24 18:00	--	Low Power/TRS Off/TRS Cal
4/30/24 19:00	--	Low Power/TRS Off/TRS Cal
4/30/24 20:00	--	Low Power/TRS Off/TRS Cal
4/30/24 21:00	--	Low Power/TRS Off/TRS Cal
4/30/24 22:00	--	Low Power/TRS Off/TRS Cal
4/30/24 23:00	--	Low Power/TRS Off/TRS Cal

June 21, 2024
File No. 01204123.21

Dr. Muntu Davis, M.D., M.P.H.
Health Officer
Department of Public Health
Environmental Health
5050 Commerce Drive
Baldwin Park, California 91706

Subject: **Monthly Enhanced Air Monitoring Program Data, May 2024, Chiquita Canyon Landfill**

Dear Dr. Davis:

This submittal has been prepared for the Los Angeles County Department of Public Health (DPH), by **SCS Engineers** (SCS) on behalf of Chiquita Canyon, LLC (Chiquita) as part of the monthly reporting recommendation outlined in the August 15, 2023 letter from Chiquita to DPH (Workplan).

In accordance with the Workplan, SCS has prepared this submittal which contains analytical data from both weekly sampling as well as continuous monitoring data from four enhanced monitoring stations (MS-04 TRS, MS-10 micro-GC, MS-12 TRS, and MS-12 micro-GC). A description of the data contained in the submittal is provided below.

Weekly Sampling Data

Weekly sampling data includes discrete grab samples at all 12 existing air monitoring stations (MS-01 through MS-12) (see **Figure 1**) for an expanded list of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 15 (TO-15), sulfur compounds via South Coast Air Quality Management District (SCAQMD) Method 307.91, and odor using a Scentroid SS400 Six Station Portable Olfactometer (SS400), which is a method compliant with E679-04. Results for the May 2024 weekly grab samples and odor samples are found in **Attachment A** and **Attachment B** respectively.

In addition, the weekly raw analytical data also includes 24-hour samples at each of the seven off-site monitoring station locations (MS-06 through MS-12). Samples are analyzed for the same constituents as the weekly grab sample analysis. Results for the May 24-hr samples are found in **Attachment C.**

Enhanced Continuous Monitoring Data

In August 2023, SCS installed continuous air monitoring modules at existing stations MS-04 and MS-12. The monitors analyze benzene, toluene, ethylbenzene, and total xylenes (BTEX) as well as total reduced sulfur (TRS). The intent of the new monitor module installation is to evaluate the data to determine whether these modules should be incorporated into the existing air monitoring stations on a permanent basis by comparing the data to laboratory data and trending the data to see how the real-time data correlates with the laboratory data from samples collected at the same time.

The BTEX and TRS units have since been removed from all stations, consistent with the Enhanced Air Monitoring Program Modification Workplan dated January 29, 2024 and submitted to DPH and SCAQMD. On May 3, 2024, the TRS units at MS-04 and MS-12 were removed. TRS monitoring data at MS-04 and MS-12 for May 2024 can be found in **Attachment D**. Since both TRS units have been removed from the Enhanced Air Monitoring Program, this will be the last monthly report including the TRS continuous monitoring data.

In addition, the existing BTEX unit was removed from MS-12 on March 26, 2024 to make space for the installation of the micro gas chromatography (GC) unit as there was no available space within the current permitted enclosure. As of May 2, 2024, the BTEX unit at MS-04 has also been removed due to reliability concerns outlined in the January 29, 2024 submission. BTEX continuous monitoring data was collected at MS-04 during the first half of May 2024 until the unit was removed from the monitoring location. Since both BTEX units have been removed from the Enhanced Air Monitoring Program, this will be the last monthly report including the continuous BTEX data from these units. BTEX monitoring data for MS-04 can be found in **Attachment E.**

In response to the modified Stipulated Oder for Abatement (SOFA) issued by SCAQMD on January 17, 2024, two micro-GC units were installed at MS-10 and MS-12 by the May 1, 2024 deadline. The continuous air monitoring results are hosted online through the Chiquita Canyon website. A link to the real time, continuous data is found below:

https://chiquitacanyon.com/reports/community-air-monitoring-program/

If you have any questions in regard to this submittal, please contact either of the undersigned at (562) 426-9544.

Sincerely,

Stipe Markotic
Staff Scientist
SCS Engineers

Raymond H. Huff, REPA
Project Director
SCS Engineers

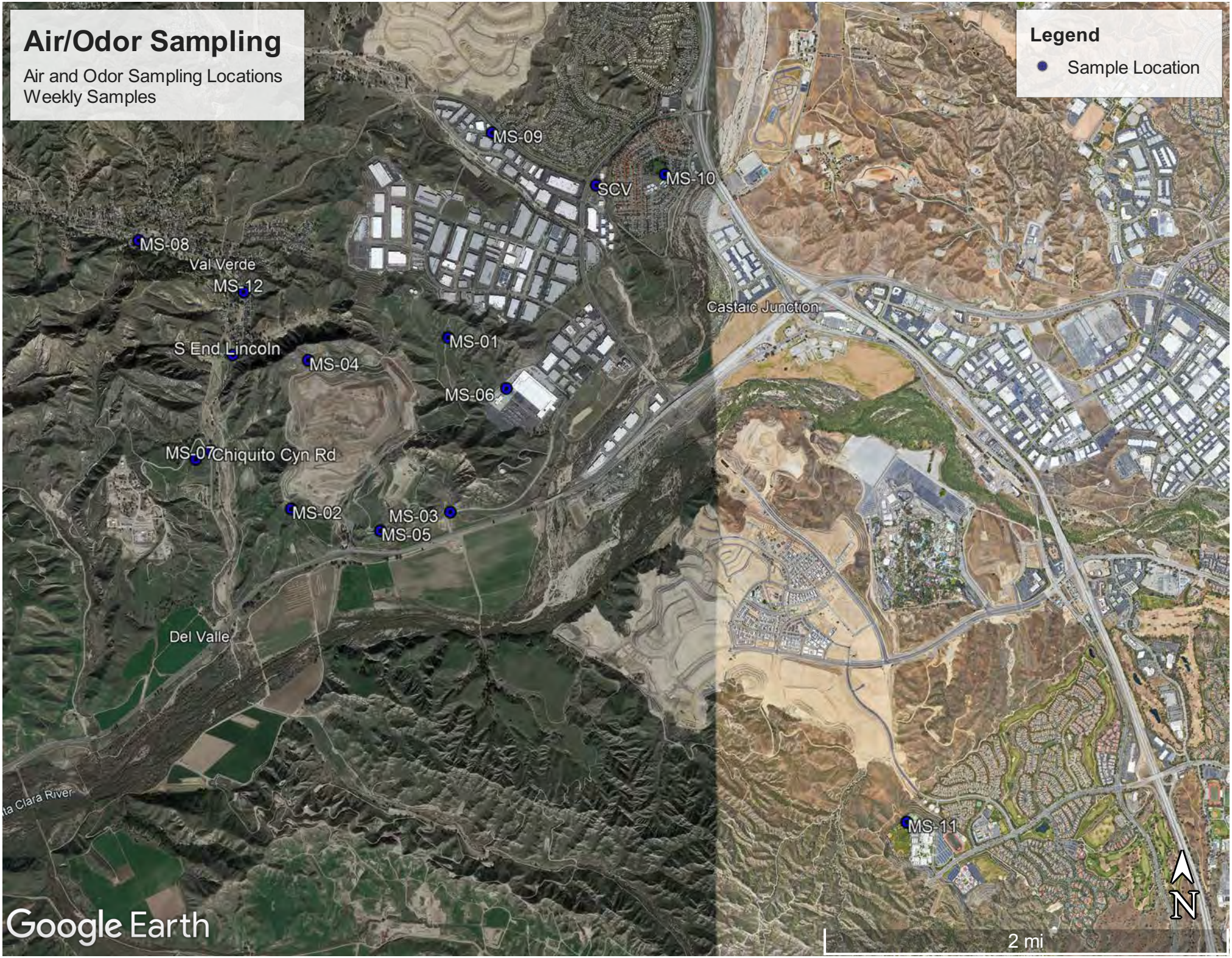
attachments

cc (w/attachments):

Victor Yip (SCAQMD)
Pablo Sanchez-Soria (CTEH)
Edgar De La Torre (LA County Department of Regional Planning)
David Nguyen (PW)
Douglas Cross (Water Resources Control Board)
Shikari Nakagawa-Ota (DPH)
Liza Frias (DPH)
Nichole Quick (DPH)
Joshua Bobrowsky (DPH)
Jacob Kraemer (DPH)
Robert Ragland (DPH)
Blaine McPhillips (County Counsel),
Mark Como (DPH)
Steve Cassulo (CCL)

FIGURE 1

MAP OF AIR MONITORING LOCATIONS


Air/Odor Sampling
Air and Odor Sampling Locations
Weekly Samples
Legend
Sample Location
MS-09
SCV
MS-10
MS-08
Val Verde
MS-12
Castaic Junction
MS-01
S End Lincoln
MS-04
MS-06
MS-07
Chiquito Cyn Rd
MS-02
MS-03
MS-05
Del Valle
MS-11
N
2 mi
Google Earth

ATTACHMENT A

WEEKLY GRAB SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241022
REPORT DATE	: 05/10/2024

On May 7, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241022-57883	707.0	Chiquito Cyn Rd	241022-57892	695.0
MS-07	241022-57884	697.5	MS-01	241022-57893	697.5
MS-08	241022-57885	669.0	MS-02	241022-57894	713.0
MS-09	241022-57886	699.0	MS-03	241022-57895	704.5
MS-10	241022-57887	700.5	MS-04	241022-57896	679.5
MS-11	241022-57888	706.0	MS-05	241022-57897	687.0
MS-12	241022-57889	692.5	Reaction	241022-57898	702.0
SCV	241022-57890	689.0	Working Face	241022-57899	695.0
S End Lincoln	241022-57891	698.0	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 27 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57883				241022-57884				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.43				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.17	7.74		1	7.28	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethanol	3.21		1	2.87	<SRL	U	1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	3.06		1	2.87	<SRL	U	1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57883				241022-57884				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.43				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		92%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57885				241022-57886				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.52				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.58	7.38		1	7.27	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	3.03	<SRL	U	1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	3.03	3.63		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57885				241022-57886				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.52				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57887				241022-57888				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	8.62		1	7.28	<SRL	U	1	7.20	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.91	<SRL	U	1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	5.55		1	2.91	<SRL	U	1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57887				241022-57888				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		98%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57889				241022-57890				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.32	19.6		1	7.36	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	2.93	3.03		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	2.93	28.7		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL)	SCV			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241022-57889				241022-57890				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.47				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.73	5.23		1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		92%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57891				241022-57892				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.45				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.27	<SRL	U	1	7.30	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.91	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.91	<SRL	U	1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57891				241022-57892				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.45				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57893				241022-57894				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methanol	7.52		1	7.28	<SRL	U	1	7.15	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethanol	6.05		1	2.91	<SRL	U	1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Acetone	2.93		1	2.91	<SRL	U	1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57893				241022-57894				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.46				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
BFB-Surrogate Std, % Recovery		92%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57895				241022-57896				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.44				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloromethane	0.73		1	0.72	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methanol	7.79		1	7.20	8.52		1	7.49	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.88	5.77		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	2.88	3.00		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57895				241022-57896				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.44				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		93%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57897				241022-57898				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.48				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.48	2.10		1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methanol	8.42		1	7.39	28.0		1	7.23	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.95	9.25		1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.95	8.33		1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	4.18		1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.74	5.47		1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.74	4.05		1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57897				241022-57898				
Date Sampled	05/07/2024				05/07/2024				
Date Analyzed	05/08/2024				05/08/2024				
Can Dilution Factor	1.48				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		90%				92%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57899				
Date Sampled	05/07/2024				
Date Analyzed	05/08/2024				
Can Dilution Factor	1.48				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	0.50
Propene	2.54		1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	0.50
Chloromethane	0.80		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.74	0.50
Methanol	9.70		1	7.38	5.00
1,3-Butadiene	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	0.50
Ethanol	13.3		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.74	0.50
Acetone	3.44		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241022
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241022-57899				
Date Sampled	05/07/2024				
Date Analyzed	05/08/2024				
Can Dilution Factor	1.48				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		94%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.60	102
Chlorodifluoromethane	10.20	10.29	101
Propene	10.70	10.02	94
Dichlorodifluoromethane	10.40	10.93	105
Dimethyl Ether	10.40	9.76	94
Chloromethane	10.50	9.56	91
Dichlorotetrafluoroethane	10.20	10.01	98
Vinyl Chloride	10.60	10.69	101
Acetaldehyde	20.40	22.62	111
Methanol	22.30	17.25	77
1,3-Butadiene	10.70	10.61	99
Bromomethane	10.40	10.48	101
Chloroethane	10.40	9.69	93
Dichlorofluoromethane	10.30	10.09	98
Ethanol	11.40	10.60	93
Vinyl Bromide	10.60	10.17	96
Acrolein	10.90	10.60	97
Acetone	10.60	9.63	91
Trichlorofluoromethane	10.50	10.38	99
2-Propanol (IPA)	11.00	10.55	96
Acrylonitrile	10.90	10.29	94
1,1-Dichloroethene	10.50	10.26	98
Methylene Chloride (DCM)	10.40	10.00	96
TertButanol (TBA)	11.20	10.58	94
Allyl Chloride	10.70	9.93	93
Carbon Disulfide	10.50	10.47	100
Trichlorotrifluoroethane	10.30	9.98	97
trans-1,2-Dichloroethene	10.80	10.82	100
1,1-Dichloroethane	10.70	10.51	98
Methyl Tert Butyl Ether (MTBE)	10.70	9.82	92
Vinyl Acetate	11.00	10.83	98
2-Butanone (MEK)	10.70	9.42	88
cis-1,2-Dichloroethene	10.70	10.60	99
Hexane	10.80	10.02	93
Chloroform	10.70	10.47	98
Ethyl Acetate	10.70	10.11	94
Tetrahydrofuran	10.40	9.20	88
1,2-Dichloroethane	10.60	10.46	99
1,1,1-Trichloroethane	10.50	10.08	96
Benzene	10.70	10.31	96
Carbon Tetrachloride	10.30	10.02	97
Cyclohexane	10.50	10.03	96

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.98	93
Bromodichloromethane	10.50	9.90	94
1,4-Dioxane	10.50	9.26	88
Trichloroethene (TCE)	10.50	9.90	94
2,2,4-Trimethylpentane	10.60	9.86	93
Methyl Methacrylate	11.00	10.32	94
Heptane	10.50	10.17	97
cis-1,3-Dichloropropene	10.50	9.91	94
4-Methyl-2-pentanone (MiBK)	10.50	9.68	92
trans-1,3-Dichloropropene	10.60	10.17	96
1,1,2-Trichloroethane	10.60	10.02	95
Toluene	10.80	9.94	92
2-Hexanone (MBK)	10.50	9.17	87
Dibromochloromethane	10.60	9.66	91
1,2-Dibromoethane	10.60	9.89	93
Tetrachloroethene (PCE)	10.50	9.42	90
Chlorobenzene	10.80	9.74	90
Ethylbenzene	10.60	10.10	95
m & p-Xylene	21.20	19.00	90
Bromoform	10.60	9.60	91
Styrene	10.60	10.08	95
1,1,2,2-Tetrachloroethane	10.60	9.60	91
o-Xylene	10.60	9.99	94
1,2,3-Trichloropropane	10.60	10.48	99
Isopropylbenzene (Cumene)	10.60	9.73	92
α-Pinene	10.10	8.69	86
2-Chlorotoluene	10.70	9.89	92
n-Propylbenzene	10.60	9.49	90
4-Ethyltoluene	10.40	9.61	92
1,3,5-Trimethylbenzene	10.30	9.53	93
β-Pinene	10.90	9.21	84
1,2,4-Trimethylbenzene	10.30	9.58	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.89	77
1,3-Dichlorobenzene	10.30	9.51	92
1,4-Dichlorobenzene	10.20	9.52	93
Sec-ButylBenzene	10.70	9.32	87
1,2-Dichlorobenzene	10.40	9.65	93
n-ButylBenzene	10.60	8.48	80
1,2-Dibromo-3-Chloropropane	10.30	8.28	80
1,2,4-Trichlorobenzene	10.50	10.24	98
Naphthalene	10.90	10.61	97
Hexachlorobutadiene	10.80	9.02	84

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.60	9.46	102	101	1.5
1,1-Dichloroethene	0.0	10.50	10.26	10.48	98	100	2.1
Methylene Chloride (DCM)	0.0	10.40	10.00	10.12	96	97	1.2
Benzene	0.0	10.70	10.31	10.56	96	99	2.4
Trichloroethene (TCE)	0.0	10.50	9.90	10.10	94	96	2.0
Toluene	0.0	10.80	9.94	10.28	92	95	3.4
Tetrachloroethene (PCE)	0.0	10.50	9.42	9.73	90	93	3.2
Chlorobenzene	0.0	10.80	9.74	9.79	90	91	0.5
Ethylbenzene	0.0	10.60	10.10	10.17	95	96	0.7
m & p-Xylene	0.0	21.20	19.00	19.21	90	91	1.1
o-Xylene	0.0	10.60	9.99	10.18	94	96	1.9

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050824*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.41

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241014-57830

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.64	8.59	0.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	7.12	7.18	0.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	3.84	3.88	1.1
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	4.47	4.60	2.8
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

241022

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-06	57883	5/7/24	1502	Summa 1	X					
MS-07	57884		1331		X					
MS-08	57885		1405		X					
MS-09	57886		1416		X					
MS-10	57887		1446		X					
MS-11	57888		1000		X					
MS-12	57889		1357		X					
SCV	57890		1427		X					
S End Lincoln	57891		1349		X					
Chiquito Cyn Rd	57892	↓	1341	↓	X					

LAB USE ONLY: Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other; Temperature: °C; Thermometer ID: ; Initials: ; Received Chilled: ; Total Cans: ; Unused Cans: ; Flow Controllers:

Client Notes/Special Instructions:

EDD? ☐ Yes ☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	**Date** 5/7/24 **Time** 1615	**Received By** Print: Signature: HUNTER Ogren	**Date** 5/7/24 **Time** 1622	
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**	

D/O - 17x cans

241022

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					Lab ID
MS-01	57893	5/7/24	1235	Summa 1	x					
MS-02	57894	↓	1028	↓	x					
MS-03	57895		1515		x					
MS-04	57896		1255		x					
MS-05	57897		1142		x					
Reaction	57898		1310		x					
Working Face	57899	↓	1128	↓	x					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chart
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: HUNTER CARTER Signature:	Date 5/7/24 Time 1622
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241022

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	S7900	5/7/24	1502	Tedlar 1	X				
MS-07	S7901		1331		X				
MS-08	S7902		1405		X				
MS-09	S7903		1416		X				
MS-10	S7904		1446		X				
MS-11	S7905		1000		X				
MS-12	S7906		1357		X				
SCY	S7907		1427		X				
S End Lincoln	S7908		1349		X				
Chiquita Cyn Rd	S7909	↓	1341	↓	X				

LAB USE ONLY
Lab ID
Sample Received via
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Regulated Plant
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: HUNTER DALTON Signature:	Date 5/7/24 Time 1622
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241022

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON)/ OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					Lab ID
MS-01	57916	5/7/24	1235	Tedlar 1	X					
MS-02	57911	↓	1028		X					
MS-03	57912		1515		X					
MS-04	57913		1255		X					
MS-05	57914		1142		X					
Reaction	57915		1310		X					
Working Face	57916	↓	1128	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Custody Seal:
Total Cans:
Unused Cans:
Flow Controller:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: Hunter Dawson Signature:	Date 5/7/24 Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241022
REPORT DATE	: 05/09/2024

On May 7th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241022-57900	Chiquita Cyn Rd	241022-57909
MS-07	241022-57901	MS-01	241022-57910
MS-08	241022-57902	MS-02	241022-57911
MS-09	241022-57903	MS-03	241022-57912
MS-10	241022-57904	MS-04	241022-57913
MS-11	241022-57905	MS-05	241022-57914
MS-12	241022-57906	Reaction	241022-57915
SCV	241022-57907	Working Face	241022-57916
S. End Lincoln	241022-57908		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241022
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/07-08/2024
REPORT DATE : 05/09/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241022-57900	241022-57901	241022-57902	241022-57903	241022-57904	241022-57905
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241022
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/08/2024
REPORT DATE : 05/09/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	S. End Lincoln	Chiquita Cyn Rd	MS-01	MS-02
AAC ID	241022-57906	241022-57907	241022-57908	241022-57909	241022-57910	241022-57911
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241022
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/08/2024
REPORT DATE : 05/09/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241022-57912	241022-57913	241022-57914	241022-57915	241022-57916
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/7/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10859	0.503	98.5	0.0
Duplicate	10525	0.488	95.5	3.1
Triplicate	11188	0.519	101.5	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9050	0.488	97.3	0.1
Duplicate	8911	0.481	95.8	1.6
Triplicate	9216	0.497	99.0	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12278	0.510	102.5	0.8
Duplicate	11906	0.494	99.4	2.3
Triplicate	12360	0.513	103.2	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.254	0.252	99.4	98.6	0.8
MeSH	<PQL	0.251	0.263	0.260	104.8	103.6	1.1
DMS	<PQL	0.249	0.266	0.265	107.0	106.6	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.504	98.6
MeSH	0.502	0.509	101.4
DMS	0.497	0.508	102.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/8/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11009	0.510	99.9	2.0
Duplicate	10642	0.493	96.6	1.4
Triplicate	10729	0.497	97.3	0.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9190	0.496	98.8	0.4
Duplicate	9263	0.500	99.5	0.4
Triplicate	9218	0.497	99.1	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12120	0.503	101.2	0.5
Duplicate	12293	0.510	102.6	1.0
Triplicate	12117	0.503	101.2	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 240745-56257

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 240745-56257 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.234	0.240	91.6	93.9	2.5
MeSH	<PQL	0.251	0.234	0.250	93.2	99.6	6.6
DMS	<PQL	0.249	0.244	0.263	98.2	105.8	7.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.505	98.8
MeSH	0.502	0.515	102.6
DMS	0.497	0.515	103.6

**** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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241022

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	57900	5/7/24	1502	Tedlar 1	X				
MS-07	57901		1331		X				
MS-08	57902		1405		X				
MS-09	57903		1416		X				
MS-10	57904		1446		X				
MS-11	57905		1000		X				
MS-12	57906		1357		X				
SCY	57907		1427		X				
S End Lincoln	57908		1349		X				
Chiquita Cyn Rd	57909	↓	1341	↓	X				

LAB USE ONLY

Lab ID	Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
	Temperature: °C
	Thermometer ID:
	Initials:
	Returned Cont:
	Total Cans:
	Unused Cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: HUNTER ORTEN Signature:	Date 5/7/24 Time 1622
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241022

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-01	57916	5/7/24	1235	Tedlar 1	X					
MS-02	57911		1028		X					
MS-03	57912		1515		X					
MS-04	57913		1255		X					
MS-05	57914		1142		X					
Reaction	57915		1310		X					
Working Face	57916		1128		X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: Hunter Dawson Signature:	Date 5/7/24 Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241022

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-06	57883	5/7/24	1502	Summa 1	X					
MS-07	57884		1331		X					
MS-08	57885		1405		X					
MS-09	57886		1416		X					
MS-10	57887		1446		X					
MS-11	57888		1000		X					
MS-12	57889		1357		X					
SCV	57890		1427		X					
S End Lincoln	57891		1349		X					
Chiquito Cyn Rd	57892		1341		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By	Date	Received By	Date
Print: Armando Hurtado	5/7/24	Print:	5/7/24
Signature:	Time 1615	Signature: Hunter Ogren	Time 1622
Relinquished By	Date	Received By	Date
Print:		Print:	
Signature:	Time	Signature:	Time

D/o - 17x cans

241022

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [ON / OFF] **Project Number** 01204123.21 TASK 22				**Analysis Requested**					**Send Report To** (Name/Email/Address) pschafer@scsengineers.com rhuff@scsengineers.com	
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** Print: Armando Hurtado Signature:									**Send Invoice To** (Name/Email/Address) **PO Number**	
Client Sample Name	**Sample ID**	**Sampling Date**	**Sampling Time**	**Container Type/Qty**	TO-15 FULL LIST + DMS					**LAB USE ONLY** **Lab ID**	**Sample Received via:** ☐FedEx ☐UPS ☐Courier ☐Other **Temperature** °C **Thermometer ID** **Initials** **Returned Cont.** **Total cans:** **Unused cans:** **Flow Controllers:**
MS-01	57893	5/7/24	1235	Summa 1	X						
MS-02	57894	↓	1028	↓	X						
MS-03	57895		1515		X						
MS-04	57896		1255		X						
MS-05	57897		1142		X						
Reaction	57898		1310		X						
Working Face	57899		1128		X						

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/7/24 Time 1615	**Received By** Print: HUNTER OSTER Signature:	Date 5/7/24 Time 1622
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241081
REPORT DATE	: 05/16/2024

On May 14, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241081-58223	701.0	Chiquito Cyn Rd	241081-58232	721.5
MS-07	241081-58224	685.5	MS-01	241081-58233	717.0
MS-08	241081-58225	691.5	MS-02	241081-58234	734.0
MS-09	241081-58226	695.0	MS-03	241081-58235	706.0
MS-10	241081-58227	703.0	MS-04	241081-58236	718.0
MS-11	241081-58228	725.5	MS-05	241081-58237	730.5
MS-12	241081-58229	699.0	Reaction	241081-58238	719.5
SCV	241081-58230	701.0	Working Face	241081-58239	729.5
S End Lincoln	241081-58231	710.0	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. If you have any questions or require further explanation of data results, please contact the undersigned.

Sudha Parmar, Ph.D.
Technical Director

This report consists of 28 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58223				241081-58224				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.45				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.24	9.69		1	7.40	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethanol	4.50		1	2.90	3.58		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	5.65		1	2.90	4.64		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.96	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.96	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58223				241081-58224				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.45				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		90%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58225				241081-58226				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	8.64		1	7.35	14.3		1	7.30	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	5.95		1	2.94	7.31		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	5.51		1	2.94	8.19		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58225				241081-58226				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58227				241081-58228				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.44				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.72	0.70		1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methanol	9.92		1	7.21	<SRL	U	1	7.01	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethanol	7.20		1	2.88	5.20		1	2.80	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	4.73		1	2.88	3.64		1	2.80	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.80	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.80	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58227				241081-58228				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.44				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		94%				92%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58229				241081-58230				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	12.2		1	7.26	9.29		1	7.25	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	3.89		1	2.90	11.4		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	4.78		1	2.90	4.70		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58229				241081-58230				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		92%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58231				241081-58232				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.55				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Methanol	9.58		1	7.73	8.01		1	7.05	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Ethanol	3.69		1	3.09	9.31		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Acetone	4.56		1	3.09	5.58		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	3.09	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	3.09	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58231				241081-58232				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.55				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.55	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		92%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58233				241081-58234				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.42				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methanol	8.03		1	7.08	12.1		1	6.97	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethanol	9.42		1	2.83	3.90		1	2.79	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Acetone	5.13		1	2.83	4.91		1	2.79	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	<SRL	U	1	2.79	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	2.79	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58233				241081-58234				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.42				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58235				241081-58236				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.47				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methanol	7.40		1	7.35	16.8		1	7.06	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethanol	3.90		1	2.94	45.5		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Acetone	3.68		1	2.94	8.56		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	3.93		1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	1.62		1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.74	1.34		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.74	1.06		1	0.71	0.50

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UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58235				241081-58236				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.47				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		93%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58237				241081-58238				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.39				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.39	6.16		1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methanol	7.00		1	6.97	127		1	7.05	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethanol	4.18		1	2.79	51.9		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	4.21		1	2.79	26.8		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.79	8.93		1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.39	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.39	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.79	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.39	14.4		1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.70	1.55		1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.70	17.5		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.70	12.3		1	0.71	0.50

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DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58237				241081-58238				
Date Sampled	05/14/2024				05/14/2024				
Date Analyzed	05/15/2024				05/15/2024				
Can Dilution Factor	1.39				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.39	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	0.93		1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.70	1.68		1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.39	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.70	0.97		1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.39	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
BFB-Surrogate Std, % Recovery		91%				93%			70-130%

U - Compound was not detected at or above the SRL.

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ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58239				
Date Sampled	05/14/2024				
Date Analyzed	05/15/2024				
Can Dilution Factor	1.39				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	6.96	5.00
1,3-Butadiene	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	0.50
Ethanol	3.37		1	2.78	2.00
Vinyl Bromide	<SRL	U	1	0.70	0.50
Acetone	4.83		1	2.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.78	2.00
Acrylonitrile	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	2.78	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241081
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241081-58239				
Date Sampled	05/14/2024				
Date Analyzed	05/15/2024				
Can Dilution Factor	1.39				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		92%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241081
MATRIX : AIR

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/16/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	241081-58223	05/14/2024	05/15/2024	<SRL	U	1.45	1.0	90%
MS-07	241081-58224	05/14/2024	05/15/2024	<SRL	U	1.48	1.0	93%
MS-08	241081-58225	05/14/2024	05/15/2024	<SRL	U	1.47	1.0	92%
MS-09	241081-58226	05/14/2024	05/15/2024	<SRL	U	1.46	1.0	91%
MS-10	241081-58227	05/14/2024	05/15/2024	<SRL	U	1.44	1.0	94%
MS-11	241081-58228	05/14/2024	05/15/2024	<SRL	U	1.40	1.0	92%
MS-12	241081-58229	05/14/2024	05/15/2024	<SRL	U	1.45	1.0	92%
SCV	241081-58230	05/14/2024	05/15/2024	<SRL	U	1.45	1.0	93%
S End Lincoln	241081-58231	05/14/2024	05/15/2024	<SRL	U	1.55	1.0	92%
Chiquito Cyn Rd	241081-58232	05/14/2024	05/15/2024	<SRL	U	1.41	1.0	93%
MS-01	241081-58233	05/14/2024	05/15/2024	<SRL	U	1.42	1.0	92%
MS-02	241081-58234	05/14/2024	05/15/2024	<SRL	U	1.39	1.0	91%
MS-03	241081-58235	05/14/2024	05/15/2024	<SRL	U	1.47	1.0	93%
MS-04	241081-58236	05/14/2024	05/15/2024	1.13		1.41	1.0	93%
MS-05	241081-58237	05/14/2024	05/15/2024	<SRL	U	1.39	1.0	91%
Reaction	241081-58238	05/14/2024	05/15/2024	10.2		1.41	1.0	93%
Working Face	241081-58239	05/14/2024	05/15/2024	<SRL	U	1.39	1.0	92%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/15/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.77	104
Chlorodifluoromethane	10.20	10.44	102
Propene	10.70	10.14	95
Dichlorodifluoromethane	10.40	10.93	105
Dimethyl Ether	10.40	10.02	96
Chloromethane	10.50	9.89	94
Dichlorotetrafluoroethane	10.20	10.14	99
Vinyl Chloride	10.60	10.75	101
Acetaldehyde	20.40	22.26	109
Methanol	22.30	17.76	80
1,3-Butadiene	10.70	10.49	98
Bromomethane	10.40	10.38	100
Chloroethane	10.40	9.14	88
Dichlorofluoromethane	10.30	10.13	98
Ethanol	11.40	10.86	95
Vinyl Bromide	10.60	9.97	94
Acrolein	10.90	10.78	99
Acetone	10.60	9.44	89
Trichlorofluoromethane	10.50	10.14	97
2-Propanol (IPA)	11.00	10.80	98
Acrylonitrile	10.90	9.82	90
1,1-Dichloroethene	10.50	10.26	98
Methylene Chloride (DCM)	10.40	10.09	97
TertButanol (TBA)	11.20	10.52	94
Allyl Chloride	10.70	9.74	91
Carbon Disulfide	10.50	10.63	101
Trichlorotrifluoroethane	10.30	10.07	98
trans-1,2-Dichloroethene	10.80	10.83	100
1,1-Dichloroethane	10.70	10.36	97
Methyl Tert Butyl Ether (MTBE)	10.70	10.15	95
Vinyl Acetate	11.00	10.29	94
2-Butanone (MEK)	10.70	9.68	90
cis-1,2-Dichloroethene	10.70	10.34	97
Hexane	10.80	9.69	90
Chloroform	10.70	10.44	98
Ethyl Acetate	10.70	10.18	95
Tetrahydrofuran	10.40	9.39	90
1,2-Dichloroethane	10.60	10.34	98
1,1,1-Trichloroethane	10.50	9.92	94
Benzene	10.70	10.20	95
Carbon Tetrachloride	10.30	10.08	98
Cyclohexane	10.50	10.07	96

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.99	93
Bromodichloromethane	10.50	9.87	94
1,4-Dioxane	10.50	9.49	90
Trichloroethene (TCE)	10.50	9.68	92
2,2,4-Trimethylpentane	10.60	9.78	92
Methyl Methacrylate	11.00	9.86	90
Heptane	10.50	10.09	96
cis-1,3-Dichloropropene	10.50	9.34	89
4-Methyl-2-pentanone (MiBK)	10.50	9.68	92
trans-1,3-Dichloropropene	10.60	10.21	96
1,1,2-Trichloroethane	10.60	9.79	92
Toluene	10.80	9.82	91
2-Hexanone (MBK)	10.50	9.57	91
Dibromochloromethane	10.60	9.89	93
1,2-Dibromoethane	10.60	9.45	89
Tetrachloroethene (PCE)	10.50	9.41	90
Chlorobenzene	10.80	9.62	89
Ethylbenzene	10.60	10.02	95
m & p-Xylene	21.20	19.08	90
Bromoform	10.60	9.76	92
Styrene	10.60	10.29	97
1,1,2,2-Tetrachloroethane	10.60	9.73	92
o-Xylene	10.60	10.24	97
1,2,3-Trichloropropane	10.60	10.67	101
Isopropylbenzene (Cumene)	10.60	9.75	92
α-Pinene	10.10	10.22	101
2-Chlorotoluene	10.70	9.85	92
n-Propylbenzene	10.60	9.50	90
4-Ethyltoluene	10.40	9.85	95
1,3,5-Trimethylbenzene	10.30	9.72	94
β-Pinene	10.90	8.69	80
1,2,4-Trimethylbenzene	10.30	9.76	95
Benzyl Chloride (a-Chlorotoluene)	10.30	8.23	80
1,3-Dichlorobenzene	10.30	9.92	96
1,4-Dichlorobenzene	10.20	9.87	97
Sec-ButylBenzene	10.70	9.57	89
1,2-Dichlorobenzene	10.40	10.05	97
n-ButylBenzene	10.60	8.85	83
1,2-Dibromo-3-Chloropropane	10.30	8.31	81
1,2,4-Trichlorobenzene	10.50	10.91	104
Naphthalene	10.90	11.88	109
Hexachlorobutadiene	10.80	9.34	86

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/15/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.77	9.45	104	101	3.3
1,1-Dichloroethene	0.0	10.50	10.26	10.07	98	96	1.9
Methylene Chloride (DCM)	0.0	10.40	10.09	9.98	97	96	1.1
Benzene	0.0	10.70	10.20	10.59	95	99	3.8
Trichloroethene (TCE)	0.0	10.50	9.68	10.18	92	97	5.0
Toluene	0.0	10.80	9.82	10.39	91	96	5.6
Tetrachloroethene (PCE)	0.0	10.50	9.41	10.16	90	97	7.7
Chlorobenzene	0.0	10.80	9.62	9.82	89	91	2.1
Ethylbenzene	0.0	10.60	10.02	9.86	95	93	1.6
m & p-Xylene	0.0	21.20	19.08	19.27	90	91	1.0
o-Xylene	0.0	10.60	10.24	10.18	97	96	0.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/15/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 051524*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	94%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 051524*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/15/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x6.82

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241044-58011

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.60	8.97	4.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	161	159	0.9
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Amaurdo Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS 06	58223	5/14	1214	Summa 1	X				
MS-07	58224	↓	1049	↓	X				
MS-08	58225		1120		X				
MS-09	58226		1135		X				
MS-10	58227		1159		X				
MS-11	58228		0723		X				
MS-12	58229		1113		X				
SCV	58230		1144		X				
S. End Chain	58231		1106		X				
Chiquita Cyn Rd	58232	↓	1058	↓	X				

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature: °C
Thermometer ID
Initials
Received Cans
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Amaurdo Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS-01	58233	14-May	0914	Summa 1	X					
MS-02	58234		0852		X					
MS-03	58235		1228		X					
MS-04	58236		0940		X					
MS-05	58237		0846		X					
Reaction	58238		0952		X					
Wsweig Face	58239		0837		X					

LAB USE ONLY: Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other
Temperature: ____°C
Thermometer ID: ____
Initials: ____
Returned Chain: ____
Total Cans: ____
Unused Cans: ____
Flow Controller: ____

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428	

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	58240	5/14	1214	Tedlar 1	X				
MS-07	58241		1049		X				
MS-08	58242		1120		X				
MS-09	58243		1135		X				
MS-10	58244		1159		X				
MS-11	58245		0723		X				
MS-12	58246		1113		X				
SCN	58247		1144		X				
Chiquita Cyn Rd	58248		1058		X				
S. Endlich Ln	58249		1106		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Regulated Cont.
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Amanda Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS01	58250	5/14	0914	tedlar	X				
MS-02	58251		0902		X				
MS-03	58252		1228		X				
MS-04	58253		0940		X				
MS-05	58254		0846		X				
Working Field	58255		0837		X				
Reflection	58256		0952		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Preserved (Yes/No)
Total Containers
Unused Cells
Head Space (Yes/No)

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Amanda Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241081
REPORT DATE	: 05/16/2024

On May 14th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241081-58240	S. End Lincoln	241081-58249
MS-07	241081-58241	MS-01	241081-58250
MS-08	241081-58242	MS-02	241081-58251
MS-09	241081-58243	MS-03	241081-58252
MS-10	241081-58244	MS-04	241081-58253
MS-11	241081-58245	MS-05	241081-58254
MS-12	241081-58246	Working Face	241081-58255
SCV	241081-58247	Reaction	241081-58256
Chiquita Cyn Rd	241081-58248		

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. Upon receipt, samples "MS-06" (AAC ID: 241081-58240) and "MS-03" (AAC ID: 241081-58252) were both labeled as "MS-03". No other 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241081
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/14-15/2024
REPORT DATE : 05/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06*	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241081-58240	241081-58241	241081-58242	241081-58243	241081-58244	241081-58245
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.007**	< 0.005	**0.007**	< 0.005	**0.008**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	**0.007**	< 0.005	< 0.005	< 0.005	**0.008**
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	**0.014**	< 0.005	**0.007**	< 0.005	**0.016**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

*** Labeled as "MS-03"**

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241081
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/14-15/2024
REPORT DATE : 05/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	241081-58246	241081-58247	241081-58248	241081-58249	241081-58250	241081-58251
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	**0.006**	< 0.005	**0.008**	**0.013**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.014**
Ethyl Mercaptan	< 0.005	< 0.005	**0.009**	< 0.005	< 0.005	**0.008**
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	**0.015**	< 0.005	**0.008**	**0.035**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241081
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/14-15/2024
REPORT DATE : 05/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241081-58252	241081-58253	241081-58254	241081-58255	241081-58256
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	**0.016**	**0.008**	< 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	**0.007**	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.016**
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	**0.016**	**0.015**	**0.016**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/14/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11366	0.527	103.1	1.9
Duplicate	11459	0.531	104.0	2.7
Triplicate	10634	0.493	96.5	4.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9576	0.517	102.9	2.7
Duplicate	9526	0.514	102.4	2.2
Triplicate	8862	0.478	95.2	4.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12324	0.511	102.9	1.3
Duplicate	12462	0.517	104.0	2.4
Triplicate	11724	0.486	97.9	3.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.274	108.0	107.2	0.7
MeSH	<PQL	0.251	0.267	0.266	106.4	106.0	0.4
DMS	<PQL	0.249	0.263	0.273	105.8	109.9	3.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.501	98.0
MeSH	0.502	0.500	99.6
DMS	0.497	0.489	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/15/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11232	0.521	101.9	1.1
Duplicate	10765	0.499	97.7	3.1
Triplicate	11317	0.525	102.7	1.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9171	0.495	98.6	1.5
Duplicate	9099	0.491	97.8	2.3
Triplicate	9674	0.522	104.0	3.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11859	0.492	99.0	1.8
Duplicate	12002	0.498	100.2	0.7
Triplicate	12382	0.514	103.4	2.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.270	0.262	105.7	102.5	3.0
MeSH	<PQL	0.251	0.268	0.251	106.8	100.0	6.6
DMS	<PQL	0.249	0.264	0.258	106.2	103.8	2.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.511	100.0
MeSH	0.502	0.511	101.8
DMS	0.497	0.519	104.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY: Lab ID
MS-06	58240	5/14	1214	Tedlar	X					
MS-07	58241		1049		X					
MS-08	58242		1120		X					
MS-09	58243		1135		X					
MS-10	58244		1159		X					
MS-11	58245		0723		X					
MS-12	58246		1113		X					
SCV	58247		1144		X					
Chiquita Cyn Rd	58248		1058		X					
S. Endeavor	58249		1106		X					

LAB USE ONLY:
Sample Received Via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print: Amanda Hurtado
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS01	58250	5/14	0944	tedlar 1	X					
MS-02	58251	↓	0802	↓	X					
MS-03	58252		1228		X					
MS-04	58253		0940		X					
MS-05	58254		0846		X					
Working Face	58255		0837		X					
Reflection	58256		0952		X					

LAB USE ONLY
- Sample Received via:
  - ☐ FedEx
  - ☐ UPS
  - ☐ Courier
  - ☐ Other
- Temperature: °C
- Thermometer ID
- Initials
- Returned Equip.
- Total cans:
- Unused cans:
- Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Amanda Hurtado Signature:	Date 5/16/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

241081

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Amanda Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					LAB USE ONLY Lab ID
MS 06	58223	5/14	1214	Summa	X					
MS-07	58224	↓	1049	↓	X					
MS-08	58225		1120		X					
MS-09	58226		1135		X					
MS-10	58227		1159		X					
MS-11	58228		0123		X					
MS-12	58229		1113		X					
SCV	58230		1124		X					
S. End Chain	58231		1106		X					
Chiquita Cyn Rd	58232	↓	1058	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID: ____
Initials: ____
Returned Cans:
Total cans: ____
Unused Cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Amanda Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1428

24108I

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS	Lab ID
MS-01	58233	4-May	0914	Summa	X	
MS-02	58234		0852		X	
MS-03	58235		1229		X	
MS-04	58236		0940		X	
MS-05	58237		0946		X	
Reaction	58238		0952		X	
Laboratory Blank	58239		0837		X	

LAB USE ONLY

Sample Received via:
- ☐ FedEx
- ☐ UPS
- ☐ Courier
- ☐ Other

Temperature: _____ °C

Thermometer ID: _____

Initials: _____

Returned Cont:

Total cans:

Unused cans:

Flow Controllers:

Client Notes/Special Instructions:

EDD?
- ☐ Yes
- ☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 5/14/24 Time 1428	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 5/14/24 Time 1728

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 241154
REPORT DATE : 05/24/2024

On May 21, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241154-58612	696.5	S End Lincoln	241154-58621	704.5
MS-07	241154-58613	722.0	MS-01	241154-58622	699.0
MS-08	241154-58614	713.5	MS-02	241154-58623	704.0
MS-09	241154-58615	702.0	MS-03	241154-58624	704.0
MS-10	241154-58616	760.0	MS-04	241154-58625	685.5
MS-11	241154-58617	708.5	MS-05	241154-58626	700.0
MS-12	241154-58618	712.5	Working Face	241154-58627	704.0
SCV	241154-58619	719.5	Reaction	241154-58628	673.5
Chiquito Cyn Rd	241154-58620	721.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 23 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58612				241154-58613				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.46				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.30	<SRL	U	1	7.04	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Ethanol	3.56		1	2.92	2.94		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Acetone	6.67		1	2.92	2.89		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58612				241154-58613				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.46				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		92%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58614				241154-58615				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.42				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.11	<SRL	U	1	7.25	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.85	6.57		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Acetone	10.2		1	2.85	17.8		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58614				241154-58615				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.42				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		94%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58616				241154-58617				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.34				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methanol	12.8		1	6.70	9.44		1	7.16	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethanol	304		10	26.8	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Acetone	3.59		1	2.68	<SRL	U	1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.68	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	2.09		1	1.34	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.68	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexane	0.82		1	0.67	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58616				241154-58617				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.34				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		95%				95%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58618				241154-58619				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.50				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.49	<SRL	U	1	7.10	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethanol	5.50		1	3.00	3.45		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Acetone	11.3		1	3.00	8.69		1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	3.00	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58618				241154-58619				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.50				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		93%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58620				241154-58621				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.41				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.07	<SRL	U	1	7.21	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.83	<SRL	U	1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.83	3.07		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58620				241154-58621				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.41				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		92%				94%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58622				241154-58623				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.45				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	9.18		1	7.27	10.2		1	7.29	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	3.02		1	2.91	3.18		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	4.19		1	2.91	3.38		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58622				241154-58623				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.45				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				90%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58624				241154-58625				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.44				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.22	9.44		1	7.41	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	2.89	5.91		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	2.89	3.67		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.96	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.96	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58624				241154-58625				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.44				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		91%				93%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58626				241154-58627				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	7.41		1	7.25	<SRL	U	1	7.22	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.90	<SRL	U	1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	3.02		1	2.90	3.12		1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58626				241154-58627				
Date Sampled	05/21/2024				05/21/2024				
Date Analyzed	05/22/2024				05/22/2024				
Can Dilution Factor	1.45				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		92%				86%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58628				
Date Sampled	05/21/2024				
Date Analyzed	05/22/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	0.50
Propene	1.90		1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	0.50
Methanol	30.7		1	7.54	5.00
1,3-Butadiene	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	0.50
Ethanol	31.3		1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.75	0.50
Acetone	8.14		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	3.47		1	3.02	2.00
Acrylonitrile	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	3.02	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	3.94		1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.75	0.50
Tetrahydrofuran	6.06		1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	0.50
Benzene	4.37		1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241154
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241154-58628				
Date Sampled	05/21/2024				
Date Analyzed	05/22/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.51	1.00
Bromoform	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		94%			70-130%

U - Compound was not detected at or above the SRL.

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Evan
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					LAB USE ONLY: Lab ID
MS 06	58612	21 May	1146	Summa	x					
MS-07	58613		0934		x					
MS-08	58614		1022		x					
MS-09	58615		1036		x					
MS-10	58616		1109		x					
MS-11	58617		1124		x					
MS-12	58618		0956		x					
SCV	58619		0944		x					
Chiquita World	58620		0942		x					
S-End Canada	58621		0948		x					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Ambient/Chilled
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Evan Signature:	Date 21 May Time 1503	**Received By** Print: Signature:	Date 5/21/24 Time 1502
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

10-17 cans

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Evan
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-01	58622	21-May	1311	Can	X				
MS-02	58623		1209		X				
MS-03	58624		1158		X				
MS-04	58625		1328		X				
MS-05	58626		1249		X				
Working Face	58627		1233		X				
Reaction	58628		1339		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Walk-in
Temperature: °C
Thermometer ID:
Initials:
Received Date:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Evan Signature:	Date 21 May Time 1503	**Received By** Print: Signature:	Date 5/21/24 Time 1502
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Eva Lua
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	58629	21-May	1146	tedlar	X				
MS-07	58630		0934		X				
MS-08	58631		1022		X				
MS-09	58632		1036		X				
MS-10	58633		1103		X				
MS-11	58634		1124		X				
MS-12	58635		0956		X				
SCV	58636		1044		X				
Chiquita Canyon Rd	58637		6942		X				
S. End Lincoln	58638	↓	0948	↓	X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Preliminary Chart
Total Cans
Unused cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Eva M Signature:	**Date** 21-May **Time** 1507	**Received By** Print: H Signature:	**Date** 5/21/24 **Time** 1502
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Eva Cum
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	58639	21-May	1308	Tedlar 1	X				
MS-02	58640		1208		X				
MS-03	58641		1158		X				
MS-04	58642		1328		X				
MS-05	58643		1249		X				
Reaction	58644		1339		X				
Working Full	58645	↓	1233	↓	X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Preserved (Yes/No)
Total Containers
Unused containers
Head Space (Yes/No)

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Evan Signature:	**Date** 21-May **Time** 1603	**Received By** Print: Signature:	**Date** 5/21/24 **Time** 1502
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

Atmospheric Analysis & Consulting, Inc

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita
PROJECT NUMBER	:	01204123.21 TASK 22
AAC PROJECT NO.	:	241154
REPORT DATE	:	05/23/2024

On May 21st, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241154-58629	S. End Lincoln	241154-58638
MS-07	241154-58630	MS-01	241154-58639
MS-08	241154-58631	MS-02	241154-58640
MS-09	241154-58632	MS-03	241154-58641
MS-10	241154-58633	MS-04	241154-58642
MS-11	241154-58634	MS-05	241154-58643
MS-12	241154-58635	Reaction	241154-58644
SCV	241154-58636	Working Face	241154-58645
Chiquita Cyn Rd	241154-58637	-	-

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241154
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/21-22/2024
REPORT DATE : 05/23/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241154-58629	241154-58630	241154-58631	241154-58632	241154-58633	241154-58634
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.011**	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	**0.011**	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241154
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/21-22/2024
REPORT DATE : 05/23/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	241154-58635	241154-58636	241154-58637	241154-58638	241154-58639	241154-58640
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241154
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/22/2024
REPORT DATE : 05/23/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241154-58641	241154-58642	241154-58643	241154-58644	241154-58645
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

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/21/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11366	0.527	103.1	1.1
Duplicate	10970	0.509	99.5	2.4
Triplicate	11394	0.528	103.4	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9558	0.516	102.7	0.9
Duplicate	9173	0.495	98.6	3.2
Triplicate	9698	0.523	104.2	2.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12510	0.519	104.5	0.4
Duplicate	12404	0.515	103.6	0.5
Triplicate	12482	0.518	104.2	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.273	0.272	106.8	106.5	0.4
MeSH	<PQL	0.251	0.262	0.270	104.4	107.6	3.0
DMS	<PQL	0.249	0.270	0.272	108.7	109.5	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.541	105.9
MeSH	0.502	0.549	109.4
DMS	0.497	0.530	106.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/22/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10726	0.497	97.3	0.1
Duplicate	10760	0.499	97.6	0.4
Triplicate	10659	0.494	96.7	0.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9213	0.497	99.0	0.2
Duplicate	9220	0.497	99.1	0.3
Triplicate	9141	0.493	98.2	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12165	0.505	101.6	0.5
Duplicate	12260	0.509	102.4	0.2
Triplicate	12268	0.509	102.4	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.268	0.252	104.9	98.6	6.2
MeSH	<PQL	0.251	0.270	0.258	107.6	102.8	4.5
DMS	<PQL	0.249	0.272	0.265	109.5	106.6	2.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.534	104.5
MeSH	0.502	0.537	107.0
DMS	0.497	0.528	106.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Analysis Requested
307.91 SULFUR

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Eva Lua
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	Lab ID
MS.06	58629	21-May	1146	tedlar 1	X	
MS.07	58630		0934		X	
MS.08	58631		1022		X	
MS.09	58632		1036		X	
MS.10	58633		1103		X	
MS.11	58634		1124		X	
MS.12	58635		0956		X	
SCV	58636		1044		X	
Chiquita Cyn Rd	58637		0942		X	
S. End Unicorn	58638		0948		X	

LAB USE ONLY
Sample Received via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Eva Lua Signature:	**Date** 21-May **Time** 1503	**Received By** Print: Signature:	**Date** 5/21/21 **Time** 1502
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON) OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Eva Cum
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-01	58639	21-May	1308	Tedlar 1	X					
MS-02	58640		1208		X					
MS-03	58641		1158		X					
MS-04	58642		1328		X					
MS-05	58643		1249		X					
Leachate	58644		1339		X					
Working Fluid	58645	↓	1233	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By	Date	Received By	Date
Print: Eva Cum	21-May	Print:	
Signature:	Time 1503	Signature:	Time 1502
Relinquished By	Date	Received By	Date
Print:		Print:	
Signature:	Time	Signature:	Time

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print: Evan
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS 06	58612	21 May	1146	Summa	X					
MS-07	58613		0934		X					
MS-08	58614		1022		X					
MS-09	58615		1036		X					
MS-10	58616		1109		X					
MS-11	58617		1124		X					
MS-12	58618		0956		X					
SCV	58619		1044		X					
Chiquita Guard	58620		0942		X					
S-End Laboratory	58621		0948		X					

LAB USE ONLY
Sample Received via:
- ☐ FedEx
- ☐ UPS
- ☐ Courier
- ☐ Other

Temperature: _____ °C
Thermometer ID: _____
Initials: _____
Returned Equip.: _____
Total cans: _____
Unused cans: _____
Flow Controllers: _____

Client Notes/Special Instructions:

EDD?
- ☐ Yes
- ☐ No

LAB USE ONLY
Notes:

Relinquished By	Date	Received By	Date
Print: Evan	21 May	Print:	5/21/24
Signature:	Time 1503	Signature:	Time 1502
Relinquished By	Date	Received By	Date
Print:		Print:	
Signature:	Time	Signature:	Time

D/O - 17 x cans

241154

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Graham
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS-01	58622	21-May	1311	Can	X					
MS-02	58623		1208		X					
MS-03	58624		1158		X					
MS-04	58625		1328		X					
MS-05	58626		1249		X					
Working Face	58627		1233		X					
Reaction	58628		1339		X					

LAB USE ONLY
- Sample Received via:
  - ☐FedEx
  - ☐UPS
  - ☐Courier
  - ☐Other
- Temperature: °C
- Thermometer ID
- Initials
- Returned Cans
- Total Cans:
- Unused Cans:
- Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Graham Signature:	Date 21 May Time 1503	**Received By** Print: Signature:	Date 5/21/24 Time 1502
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241211
REPORT DATE	: 05/31/2024

On May 28, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241211-58952	708.5	Chiquito Cyn Rd	241211-58961	693.5
MS-07	241211-58953	682.0	MS-01	241211-58962	760.0
MS-08	241211-58954	689.0	MS-02	241211-58963	707.5
MS-09	241211-58955	686.5	MS-03	241211-58964	703.5
MS-10	241211-58956	708.5	MS-04	241211-58965	679.0
MS-11	241211-58957	678.5	MS-05	241211-58966	704.5
MS-12	241211-58958	687.5	Working Face	241211-58967	705.5
SCV	241211-58959	705.0	Reaction	241211-58968	690.0
S End Lincoln	241211-58960	692.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58952				241211-58953				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.72	0.78		1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methanol	8.23		1	7.18	9.59		1	7.46	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethanol	4.19		1	2.87	5.22		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Acetone	3.36		1	2.87	3.67		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58952				241211-58953				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		91%				87%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58954				241211-58955				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.47				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methanol	7.55		1	7.37	11.5		1	7.39	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethanol	4.27		1	2.95	4.79		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	3.57		1	2.95	4.94		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	2.96	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.96	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58954				241211-58955				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.47				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		90%				91%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58956				241211-58957				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.43				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methanol	10.2		1	7.16	11.2		1	7.48	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethanol	11.6		1	2.86	5.36		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Acetone	7.66		1	2.86	4.25		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58956				241211-58957				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.43				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		86%				87%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58958				241211-58959				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.48				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methanol	7.98		1	7.38	9.23		1	7.19	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethanol	7.50		1	2.95	6.92		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Acetone	3.81		1	2.95	4.39		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58958				241211-58959				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.48				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58960				241211-58961				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.46				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.75		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	9.13		1	7.32	7.85		1	7.31	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	3.98		1	2.93	5.29		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.60		1	2.93	3.45		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58960				241211-58961				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.46				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		87%				90%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58962				241211-58963				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.34				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methanol	9.56		1	6.68	9.58		1	7.17	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethanol	32.6		1	2.67	3.53		1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Acetone	3.69		1	2.67	3.27		1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.67	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	2.05		1	1.34	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.67	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58962				241211-58963				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.34				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
m.& p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58964				241211-58965				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methanol	8.69		1	7.22	17.2		1	7.47	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethanol	5.63		1	2.89	68.7		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	2.89	6.82		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.72	8.69		1	0.75	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.72	3.02		1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58964				241211-58965				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.72	2.60		1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	1.78		1	0.75	0.50
Heptane	<SRL	U	1	0.72	1.69		1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.72	3.06		1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58966				241211-58967				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	1.09		1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	9.94		1	7.21	141		1	7.20	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	3.71		1	2.89	1720		25	72.0	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	4.34		1	2.89	87.0		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	1.21		1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	108		1	2.88	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.88	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	10.4		1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	1.67		1	0.72	0.50
Chloroform	<SRL	U	1	0.72	1.43		1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	34.6		1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	2.20		1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	0.79		1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58966				241211-58967				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/29/2024				05/29/2024				
Can Dilution Factor	1.44				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	1.01		1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	2.19		1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	1.90		1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	1.84		1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	1.45		1	1.44	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		89%				96%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58968				
Date Sampled	05/28/2024				
Date Analyzed	05/29/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.74	0.50
Methanol	41.0		1	7.37	5.00
1,3-Butadiene	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	0.50
Ethanol	15.9		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.74	0.50
Acetone	7.79		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	3.58		1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.74	0.50
Tetrahydrofuran	4.29		1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	0.50
Benzene	3.48		1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241211
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241211-58968				
Date Sampled	05/28/2024				
Date Analyzed	05/29/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	0.50
Toluene	0.80		1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		92%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241211
MATRIX : AIR

DATE RECEIVED : 05/28/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	241211-58952	05/28/2024	05/29/2024	<SRL	U	1.44	1.0	91%
MS-07	241211-58953	05/28/2024	05/29/2024	<SRL	U	1.49	1.0	87%
MS-08	241211-58954	05/28/2024	05/29/2024	<SRL	U	1.47	1.0	90%
MS-09	241211-58955	05/28/2024	05/29/2024	<SRL	U	1.48	1.0	91%
MS-10	241211-58956	05/28/2024	05/29/2024	<SRL	U	1.43	1.0	86%
MS-11	241211-58957	05/28/2024	05/29/2024	<SRL	U	1.50	1.0	87%
MS-12	241211-58958	05/28/2024	05/29/2024	<SRL	U	1.48	1.0	91%
SCV	241211-58959	05/28/2024	05/29/2024	<SRL	U	1.44	1.0	89%
S End Lincoln	241211-58960	05/28/2024	05/29/2024	<SRL	U	1.46	1.0	87%
Chiquito Cyn Rd	241211-58961	05/28/2024	05/29/2024	<SRL	U	1.46	1.0	90%
MS-01	241211-58962	05/28/2024	05/29/2024	<SRL	U	1.34	1.0	88%
MS-02	241211-58963	05/28/2024	05/29/2024	<SRL	U	1.43	1.0	90%
MS-03	241211-58964	05/28/2024	05/29/2024	<SRL	U	1.44	1.0	90%
MS-04	241211-58965	05/28/2024	05/29/2024	<SRL	U	1.49	1.0	90%
MS-05	241211-58966	05/28/2024	05/29/2024	<SRL	U	1.44	1.0	89%
Working Face	241211-58967	05/28/2024	05/29/2024	<SRL	U	1.44	1.0	96%
Reaction	241211-58968	05/28/2024	05/29/2024	12.1		1.47	1.0	92%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/29/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.38	100
Chlorodifluoromethane	10.20	10.88	107
Propene	10.70	10.80	101
Dichlorodifluoromethane	10.40	11.03	106
Dimethyl Ether	10.40	10.84	104
Chloromethane	10.50	10.50	100
Dichlorotetrafluoroethane	10.20	10.12	99
Vinyl Chloride	10.60	11.17	105
Acetaldehyde	20.40	24.69	121
Methanol	22.30	19.41	87
1,3-Butadiene	10.70	10.97	103
Bromomethane	10.40	10.29	99
Chloroethane	10.40	9.69	93
Dichlorofluoromethane	10.30	10.23	99
Ethanol	11.40	11.76	103
Vinyl Bromide	10.60	9.95	94
Acrolein	10.90	11.32	104
Acetone	10.60	10.43	98
Trichlorofluoromethane	10.50	10.18	97
2-Propanol (IPA)	11.00	11.58	105
Acrylonitrile	10.90	10.97	101
1,1-Dichloroethene	10.50	10.34	98
Methylene Chloride (DCM)	10.40	9.95	96
TertButanol (TBA)	11.20	10.91	97
Allyl Chloride	10.70	10.32	96
Carbon Disulfide	10.50	10.50	100
Trichlorotrifluoroethane	10.30	10.00	97
trans-1,2-Dichloroethene	10.80	10.88	101
1,1-Dichloroethane	10.70	10.66	100
Methyl Tert Butyl Ether (MTBE)	10.70	9.78	91
Vinyl Acetate	11.00	11.75	107
2-Butanone (MEK)	10.70	10.11	94
cis-1,2-Dichloroethene	10.70	10.69	100
Hexane	10.80	9.95	92
Chloroform	10.70	10.63	99
Ethyl Acetate	10.70	11.21	105
Tetrahydrofuran	10.40	9.72	93
1,2-Dichloroethane	10.60	10.83	102
1,1,1-Trichloroethane	10.50	10.30	98
Benzene	10.70	10.27	96
Carbon Tetrachloride	10.30	9.72	94
Cyclohexane	10.50	10.01	95

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.26	96
Bromodichloromethane	10.50	9.76	93
1,4-Dioxane	10.50	9.50	90
Trichloroethene (TCE)	10.50	9.75	93
2,2,4-Trimethylpentane	10.60	10.07	95
Methyl Methacrylate	11.00	10.50	95
Heptane	10.50	10.24	98
cis-1,3-Dichloropropene	10.50	9.82	94
4-Methyl-2-pentanone (MiBK)	10.50	9.91	94
trans-1,3-Dichloropropene	10.60	10.00	94
1,1,2-Trichloroethane	10.60	9.97	94
Toluene	10.80	9.88	91
2-Hexanone (MBK)	10.50	9.86	94
Dibromochloromethane	10.60	9.39	89
1,2-Dibromoethane	10.60	9.68	91
Tetrachloroethene (PCE)	10.50	9.28	88
Chlorobenzene	10.80	9.58	89
Ethylbenzene	10.60	9.97	94
m & p-Xylene	21.20	18.93	89
Bromoform	10.60	9.24	87
Styrene	10.60	10.02	95
1,1,2,2-Tetrachloroethane	10.60	9.45	89
o-Xylene	10.60	9.91	93
1,2,3-Trichloropropane	10.60	10.47	99
Isopropylbenzene (Cumene)	10.60	9.54	90
α-Pinene	10.10	9.86	98
2-Chlorotoluene	10.70	9.66	90
n-Propylbenzene	10.60	9.40	89
4-Ethyltoluene	10.40	9.50	91
1,3,5-Trimethylbenzene	10.30	9.30	90
β-Pinene	10.90	7.97	73
1,2,4-Trimethylbenzene	10.30	9.41	91
Benzyl Chloride (a-Chlorotoluene)	10.30	7.51	73
1,3-Dichlorobenzene	10.30	9.45	92
1,4-Dichlorobenzene	10.20	9.45	93
Sec-ButylBenzene	10.70	9.14	85
1,2-Dichlorobenzene	10.40	9.46	91
n-ButylBenzene	10.60	8.43	80
1,2-Dibromo-3-Chloropropane	10.30	8.11	79
1,2,4-Trichlorobenzene	10.50	10.12	96
Naphthalene	10.90	11.31	104
Hexachlorobutadiene	10.80	8.69	80

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/29/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.38	9.27	100	99	1.2
1,1-Dichloroethene	0.0	10.50	10.34	10.51	98	100	1.6
Methylene Chloride (DCM)	0.0	10.40	9.95	10.36	96	100	4.0
Benzene	0.0	10.70	10.27	10.72	96	100	4.3
Trichloroethene (TCE)	0.0	10.50	9.75	10.04	93	96	2.9
Toluene	0.0	10.80	9.88	10.43	91	97	5.4
Tetrachloroethene (PCE)	0.0	10.50	9.28	9.78	88	'93	5.2
Chlorobenzene	0.0	10.80	9.58	9.87	89	91	3.0
Ethylbenzene	0.0	10.60	9.97	10.30	94	97	3.3
m & p-Xylene	0.0	21.20	18.93	19.35	89	91	2.2
o-Xylene	0.0	10.60	9.91	10.27	93	97	3.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/29/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 052924*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 052924*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/29/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x35.74

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241174-58801

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.79	9.01	2.5
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	1370	1390	1.3
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS06	58952	28 May	1000	Summa 1	x				
MS07	58953		1209		x				
MS08	58954		1237		x				
MS09	58955		1301		x				
MS10	58956		0936		x				
MS11	58957		1320		x				
MS12	58958		1230		x				
SCV	58959		0916		x				
S. Endlanain	58960		1123		x				
Chiquita Canyon Rd	58961		1217		x				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Received Cans
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Eva Lau Signature:	**Date** 28 May **Time** 1616	**Received By** Print: Signature:	**Date** 5/28/24 **Time** 1617	
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**	

D/O - 17x cans

241211

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS				
MS-01	58962	28 May	1144	Summa	1				
MS-02	58963		1032		1				
MS-03	58964		1048		1				
MS-04	58965		1117		1				
MS-05	58966		1057		1				
Working Face	58967		1046		1				
Reaction	58968	↓	1128	↓	1				

LAB USE ONLY
Lab ID
Sample Received via: ☐ FedEx ☐ UPS ☐ Courier ☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total Cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Brian Lum Signature:	**Date** 28May **Time** 1646	**Received By** Print: Signature:	**Date** 5/28/24 **Time** 16:18
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [ON / OFF] **Project Number** 01204123.21 TASK 22
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** **Print:** **Signature:**

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					LAB USE ONLY: Lab ID
MS-06	58969	28 May	1000	1 tedlar	x					
MS-07	58970		1209		x					
MS-08	58971		1237		x					
MS-09	58972		1301		x					
MS-10	58973		0936		x					
MS-11	58974		1320		x					
MS-12	58975		1230		x					
SW	58976		0916		x					
S. End Chain	58977		1223		x					
Chiquita Canyon	58978	↓	1217	↓	x					

LAB USE ONLY: Sample Received via: ☐ FedEx ☐ UPS ☐ Courier ☐ Other; Temperature: °C; Thermometer ID: ; Initials: ; Returned Cont.: ; Total Cans: ; Unused cans: ; Flow Controllers:

Client Notes/Special Instructions:

EDD? ☐ Yes ☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Signature:	**Date** 28 May **Time** 1616	**Received By** Print: Signature:	**Date** 5/28/21 **Time** 1618
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [ON / OFF] **Project Number** 01204123.21 TASK 22
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** **Print:** **Signature:**

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					LAB USE ONLY: Lab ID
MS-01	58979	28 May	1144	Tedlar 1	X					
MS-02	58980		1032		X					
MS-03	58981		1018		X					
MS-04	58982		1117		X					
MS-05	58983		1057		X					
~~EX~~ Working Face	58984		1046		X					
Reaction	58985	↓	1128	↓	X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned Blank:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Evan Signature:	**Date** 28 May **Time** 1616	**Received By** Print: Signature:	**Date** 5/28/24 **Time** 1618
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON/OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241211
REPORT DATE	: 05/30/2024

On May 28th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241211-58969	Chiquita Cyn Rd	241211-58978
MS-07	241211-58970	MS-01	241211-58979
MS-08	241211-58971	MS-02	241211-58980
MS-09	241211-58972	MS-03	241211-58981
MS-10	241211-58973	MS-04	241211-58982
MS-11	241211-58974	MS-05	241211-58983
MS-12	241211-58975	Working Face	241211-58984
SCV	241211-58976	Reaction	241211-58985
S. End Lincoln	241211-58977	-	-

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241211
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28/2024
RECEIVING DATE : 05/28/2024
ANALYSIS DATE : 05/29/2024
REPORT DATE : 05/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241211-58969	241211-58970	241211-58971	241211-58972	241211-58973	241211-58974
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241211
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28/2024
RECEIVING DATE : 05/28/2024
ANALYSIS DATE : 05/29/2024
REPORT DATE : 05/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	S. End Lincoln	Chiquita Cyn Rd	MS-01	MS-02
AAC ID	241211-58975	241211-58976	241211-58977	241211-58978	241211-58979	241211-58980
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241211
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28/2024
RECEIVING DATE : 05/28/2024
ANALYSIS DATE : 05/29/2024
REPORT DATE : 05/30/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241211-58981	241211-58982	241211-58983	241211-58984	241211-58985
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

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/28/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11147	0.517	101.1	0.5
Duplicate	11101	0.515	100.7	1.0
Triplicate	11374	0.527	103.2	1.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9528	0.514	102.4	0.5
Duplicate	9221	0.497	99.1	2.7
Triplicate	9691	0.523	104.1	2.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12325	0.511	102.9	1.1
Duplicate	12497	0.519	104.3	0.3
Triplicate	12572	0.522	105.0	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.245	0.240	95.9	93.9	2.1
MeSH	<PQL	0.251	0.251	0.250	100.0	99.6	0.4
DMS	<PQL	0.249	0.258	0.256	103.8	103.0	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.523	102.3
MeSH	0.502	0.511	101.8
DMS	0.497	0.515	103.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/29/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10871	0.504	98.6	0.2
Duplicate	10671	0.495	96.8	2.1
Triplicate	11148	0.517	101.1	2.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8969	0.484	96.4	2.7
Duplicate	9210	0.497	99.0	0.1
Triplicate	9481	0.511	101.9	2.8

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12040	0.500	100.5	2.3
Duplicate	12471	0.517	104.1	1.2
Triplicate	12473	0.518	104.1	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241211-57973**

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 **241211-57973 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.257	0.259	100.6	101.4	0.8
MeSH	<PQL	0.251	0.269	0.260	107.2	103.6	3.4
DMS	<PQL	0.249	0.268	0.271	107.8	109.1	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.461	90.2
MeSH	0.502	0.468	93.2
DMS	0.497	0.475	95.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS06	58969	26 Mar	1005	Vial	1					
MS07	58970		1209		1					
MS08	58971		1237		1					
MS09	58972		1304		1					
MS10	58973		0934		1					
MS11	58974		0920		1					
MS12	58975		1230		1					
SOV	58976		0916		1					
Sand Chain	58977		1223		1					
Chiquita Canal	58978	"	1217	"	1					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Signature:	**Date** 26 Mar **Time** 1616	**Received By** Print: Signature:	**Date** 5/28/21 **Time** 1612	
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**	

241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY Lab ID
MW1	58979	28 May	1144	Tedlar	X					
MW2	58980		1632		X					
MW3	58981		1018		X					
MW4	58982		1117		X					
MW5	58983		1057		X					
Duplicate	58984		1046		X					
Equipment Blank	58985	↓	1128	↓	X					

LAB USE ONLY
- Sample Received via:
  - ☐ FedEx
  - ☐ UPS
  - ☐ Courier
  - ☐ Other
- Temperature: ____ °C
- Thermometer ID: ____
- Initials: ____
- Returned Cont.: ____
- Total cans: ____
- Unused cans: ____
- Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By Print: Signature:	**Date** 28 May **Time** 1446	**Received By** Print: Signature:	**Date** 5/28/24 **Time** 16:18
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241211

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [ON / OFF] **Project Number** 01204123.21 TASK 22				**Analysis Requested**					**Send Report To** (Name/Email/Address) pschafer@scsengineers.com rhuff@scsengineers.com	
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** **Print:** **Signature:**				TO-15 FULL LIST + DMS					**Send Invoice To** (Name/Email/Address) **PO Number**	
Client Sample Name	**Sample ID**	**Sampling Date**	**Sampling Time**	**Container Type/Qty**						**LAB USE ONLY** **Lab ID**	**Sample Received Via:** ☐FedEx ☐UPS ☐Courier ☐Other **Temperature:** °C **Thermometer ID** **Initials** **Returned Empty** **Total cans:** **Unused cans:** **Flow Controllers:**
MSD6	58952	28May	1000	Summa 1	x						
MS07	58953		1109		x						
MS08	58954		1237		x						
MSD9	58955		1301		x						
MS10	58956		0936		x						
MS11	58957		1320		x						
MS12	58958		1230		x						
SCW	58959		0946		x						
Sandblank	58960		1323		x						
Chiquita Lynk	58961		1219		x						

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY Notes:

Relinquished By **Print:** **Signature:**	**Date** 28May **Time** 1646	**Received By** **Print:** **Signature:**	**Date** 5/29/24 **Time** 1617	
Relinquished By **Print:** **Signature:**	**Date** **Time**	**Received By** **Print:** **Signature:**	**Date** **Time**	

241211

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS				
MS 01	58962	28 May	1144	Summa	5				
MS 02	58963		1032		5				
MS 03	58964		1008		5				
MS 04	58965		1117		5				
MS 05	58966		1057		5				
working face	58967		1046		5				
Leachate	58968	↓	1128	↓	4				

LAB USE ONLY

Lab ID	Sample Received via:
	☐ FedEx
	☐ UPS
	☒ Courier
	☐ Other
	Temperature: °C
	Thermometer ID
	Initials
	Returned Equip.
	Total cans:
	Unused cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Evan Lum Signature:	Date 28 May Time 1616	**Received By** Print: Signature:	Date 5/28/21 Time 16:18
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples May 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	5/7/2024	12:35		5/8/2024	1:15 PM	1768	
	MS-02	5/7/2024	10:28		5/8/2024	9:15 AM	1114	pleasant, vanilla, sweet
	MS-03	5/7/2024	15:15		5/8/2024	11:55 AM	<156	
	MS-04	5/7/2024	12:55	Slight leachate	5/8/2024	11:05 AM	<156	
	MS-05	5/7/2024	11:42		5/8/2024	9:00 AM	2102	nutty
	Working/Active	5/7/2024	11:28	Rotten, smokey @34.429779N; 118.649910W	5/8/2024	10:10 AM	1250	rancid
	Reaction	5/7/2024	13:10	Leachate @34.435494N; 118.649936W	5/8/2024	12:30 PM	3536	sour milk, putrid
Off-Site	MS-06	5/7/2024	15:02	Sweet	5/8/2024	11:40 AM	1114	
	MS-07	5/7/2024	13:31		5/8/2024	1:50 PM	884	
	MS-08	5/7/2024	14:05		5/8/2024	2:05 PM	1539	stale air
	MS-09	5/7/2024	14:16		5/8/2024	9:30 AM	1403	sweet, nutty
	MS-10	5/7/2024	14:46		5/8/2024	12:45 PM	2103	musty
	MS-11	5/7/2024	10:00		5/8/2024	9:50 AM	1250	moldy, trash, garbage, rancid
	MS-12	5/7/2024	13:57		5/8/2024	1:30 PM	884	burning, smoke
	SCV	5/7/2024	14:27	Dirt, grass	5/8/2024	12:15 PM	2680	candy, pineapple, fruity
	Chiquito	5/7/2024	13:41		5/8/2024	11:20 AM	BDL <156	
	S End Lincoln	5/7/2024	13:49		5/8/2024	10:25 AM	2807	minty, spicy, fresh

Odor Samples May 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	5/14/2024	9:14		5/15/2024	11:45 AM	2102	stale
	MS-02	5/14/2024	8:02	Bathroom cleaner smell (likely from masking agent)	5/15/2024	9:45 AM	<312	
	MS-03	5/14/2024	12:28		5/15/2024	1:15 PM	2973	stale, putrid,
	MS-04	5/14/2024	9:40	Way up smelled like strong leachate. At site, no smell. Slight dirt/dust smell	5/15/2024	9:00 AM	884	
	MS-05	5/14/2024	8:46	Vegetation	5/15/2024	9:30 AM	2227	naturally offensive, vegetation
	Working/Active	5/14/2024	8:37	Overcast, low odor, dirt, rotten milk gust near end of sample @34.428990N; 118.649519W	5/15/2024	1:45 PM	1486	pleasent, mild
	Reaction	5/14/2024	9:52	Note terrible but still strong leachate smell @34.435709N; 118.649947W	5/15/2024	12:35 PM	6299	rancid, garbage, vomit
Off-Site	MS-06	5/14/2024	12:14		5/15/2024	12:17 PM	2806	
	MS-07	5/14/2024	10:49		5/15/2024	10:40 AM	2102	burning, smoke
	MS-08	5/14/2024	11:20		5/15/2024	10:25 AM	496	plastic, stale
	MS-09	5/14/2024	11:35	smelled like leachate walking up to site (11:33-11:34), slightly less when we sampled	5/15/2024	1:00 PM	442	popcorn, toast
	MS-10	5/14/2024	11:59		5/15/2024	10:05 AM	< 156	foul, nat unpleasent, garbage
	MS-11	5/14/2024	7:23		5/15/2024	1:30 PM	< 156	
	MS-12	5/14/2024	11:13		5/15/2024	11:10 AM	1984	musty
	SCV	5/14/2024	11:44		5/15/2024	12:00 PM	< 156	unpleasent, putrid, rancid
	Chiquito	5/14/2024	10:58		5/15/2024	9:15 AM	1113	vanilla, sweet
	S End Lincoln	5/14/2024	11:06		5/15/2024	11:25 AM	1486	sweet, plastic

Odor Samples May 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	5/21/2024	13:08	leachate breezes (+onion?)	5/22/2024	9:40 AM	2333	sewer
	MS-02	5/21/2024	12:18	gingerbread? masking agent spraying towards sample tube	5/22/2024	2:00 PM	1768	stale, musty
	MS-03	5/21/2024	11:58		5/22/2024	11:55 AM	4061	stale, synthetic
	MS-04	5/21/2024	13:28		5/22/2024	9:55 AM	5946	
	MS-05	5/21/2024	12:49		5/22/2024	1:45 PM	1768	
	Working/Active	5/21/2024	12:03	slight h2s smell	5/22/2024	10:05 AM	3535	stale
	Reaction	5/21/2024	13:39	leachate breezes (+onion?)	5/22/2024	12:40 PM	11224	garbage, stale, rancid, putrid,
Off-Site	MS-06	5/21/2024	11:45	very slight leachate/trash breeze	5/22/2024	11:20 AM	3535	musty, stale
	MS-07	5/21/2024	9:34		5/22/2024	12:25 PM	3078	
	MS-08	5/21/2024	10:22		5/22/2024	12:05 PM	2806	putrid, rancid
	MS-09	5/21/2024	10:36	smelled like trash upon arrival; gone at end of sampling	5/22/2024	1:30 PM	3536	garbage
	MS-10	5/21/2024	11:03		5/22/2024	10:35 AM	3535	
	MS-11	5/21/2024	11:24		5/22/2024	11:35 AM	3535	
	MS-12	5/21/2024	9:56	(car idling nearby)	5/22/2024	10:20 AM	3078	plastic
	SCV	5/21/2024	10:44	burning/wildfire smell (controlled burn on NB side of I-5 @ Hasley Cyn Rd Exit)	5/22/2024	1:15 PM	2102	naturally offensive, musty
	Chiquito	5/21/2024	9:42		5/22/2024	1:00 PM	2973	
	S End Lincoln	5/21/2024	9:48		5/22/2024	10:50 AM	3535	light sewer, rancid, putrid

Odor Samples May 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	5/28/2024	11:44	Leachate breeze	5/29/2024	11:10 AM	3537	
	MS-02	5/28/2024	10:32	Masking agent spraying towards samples; smells like bathroom scent	5/29/2024	11:16 AM	2973	
	MS-03	5/28/2024	10:18		5/29/2024	10:15 AM	3536	
	MS-04	5/28/2024	11:17	Leachate, strong, burns	5/29/2024	11:50 AM	4455	
	MS-05	5/28/2024	10:57		5/29/2024	10:36 AM	2500	sour, putrid, wood glue
	Working/Active	5/28/2024	10:40	Trash, slight fishy @34.429742N; 118.650659	5/29/2024	9:00 AM	3537	
	Reaction	5/28/2024	11:28	Burns, burnt leachate smell @34.435357N; 118.651238	5/29/2024	9:45 AM	14142	sour, waste, putrid
Off-Site	MS-06	5/28/2024	10:00		5/29/2024	11:30 AM	2973	musty, stale meat, rancid
	MS-07	5/28/2024	12:09		5/29/2024	9:10 AM	4455	naturally offensive, plastic
	MS-08	5/28/2024	12:37	Paint smell, truck idling nearby (running h2s cal)	5/29/2024	12:13 PM	5613	musty,
	MS-09	5/28/2024	13:01		5/29/2024	10:25 AM	2227	stale
	MS-10	5/28/2024	9:36		5/29/2024	12:00 PM	3537	sour, musty
	MS-11	5/28/2024	13:20		5/29/2024	10:00 AM	2806	
	MS-12	5/28/2024	12:30		5/29/2024	11:45 AM	3535	spice, cinnamon
	SCV	5/28/2024	9:16		5/29/2024	12:25 PM	1114	
	Chiquito	5/28/2024	12:17		5/29/2024	9:20 AM	5946	stale, foul
	S End Lincoln	5/28/2024	12:23		5/29/2024	9:33 AM	3537	plastic, musty

ATTACHMENT C

WEEKLY 24-HR SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240988
REPORT DATE : 05/06/2024

On May 2, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	240988-57695	612.5
MS-08	240988-57696	725.0
MS-09	240988-57697	680.5
MS-06	240988-57698	718.0
MS-11	240988-57699	638.5
MS-12	240988-57700	682.0
MS-10	240988-57701	714.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 16 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57695				240988-57696				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.66				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Chloromethane	0.86		1	0.83	0.84		1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Methanol	12.9		1	8.29	11.0		1	7.01	5.00
1,3-Butadiene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Ethanol	3.90		1	3.32	2.81		1	2.81	2.00
Vinyl Bromide	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Acetone	<SRL	U	1	3.32	3.31		1	2.81	2.00
Trichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	3.32	<SRL	U	1	2.81	2.00
Acrylonitrile	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	3.32	<SRL	U	1	2.81	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57695				240988-57696				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.66				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.66	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.83	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57697				240988-57698				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.49				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methanol	12.9		1	7.47	11.3		1	7.08	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethanol	4.04		1	2.99	4.47		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Acetone	4.51		1	2.99	3.04		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57697				240988-57698				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.49				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	240988-57699				240988-57700				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.60				1.49				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methanol	16.8		1	7.99	12.1		1	7.47	5.00
1,3-Butadiene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	3.19	3.66		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	3.19	3.03		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.19	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.19	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57699				240988-57700				
Date Sampled	05/01/2024				05/01/2024				
Date Analyzed	05/03/2024				05/03/2024				
Can Dilution Factor	1.60				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.60	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.80	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		91%				85%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57701				
Date Sampled	05/01/2024				
Date Analyzed	05/03/2024				
Can Dilution Factor	1.42				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	0.50
Methanol	11.4		1	7.11	5.00
1,3-Butadiene	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	0.50
Ethanol	4.02		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.71	0.50
Acetone	3.87		1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 240988
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/02/2024
DATE REPORTED : 05/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	240988-57701				
Date Sampled	05/01/2024				
Date Analyzed	05/03/2024				
Can Dilution Factor	1.42				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		86%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 03/18/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	8.78	93
Chlorodifluoromethane	10.30	12.18	118
Propene	10.70	12.64	118
Dichlorodifluoromethane	10.40	11.18	108
Dimethyl Ether	10.20	12.12	119
Chloromethane	10.50	11.31	108
Dichlorotetrafluoroethane	10.20	10.07	99
Vinyl Chloride	10.60	11.14	105
Acetaldehyde HR	21.00	27.57	131
Methanol	19.00	24.08	127
1,3-Butadiene	10.70	12.62	118
Bromomethane	10.40	9.95	96
Chloroethane	10.40	8.94	86
Dichlorofluoromethane	10.20	9.58	94
Ethanol	11.40	12.70	111
Vinyl Bromide	10.10	9.59	95
Acrolein	10.90	11.98	110
Acetone	10.60	10.58	100
Trichlorofluoromethane	10.50	10.53	100
2-Propanol (IPA)	11.00	13.57	123
Acrylonitrile	11.00	11.79	107
1,1-Dichloroethene	10.50	9.87	94
Methylene Chloride (DCM)	10.40	9.82	94
TertButanol (TBA)	11.10	13.93	125
Allyl Chloride	10.20	10.91	107
Carbon Disulfide	10.50	10.99	105
Trichlorotrifluoroethane	10.30	10.31	100
trans-1,2-Dichloroethene	10.80	10.36	96
1,1-Dichloroethane	10.70	11.10	104
Methyl Tert Butyl Ether (MTBE)	10.70	11.34	106
Vinyl Acetate	11.00	14.03	128
2-Butanone (MEK)	10.70	10.42	97
cis-1,2-Dichloroethene	10.70	10.24	96
Hexane	10.80	9.55	88
Chloroform	10.70	10.28	96
Ethyl Acetate	10.70	12.80	120
Tetrahydrofuran	10.40	9.96	96
1,2-Dichloroethane	10.60	11.09	105
1,1,1-Trichloroethane	10.50	11.16	106
Benzene	10.70	10.68	100
Carbon Tetrachloride	10.30	11.65	113
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.44	107
Bromodichloromethane	10.50	11.73	112
1,4-Dioxane	10.50	10.45	100
Trichloroethene (TCE)	10.50	10.61	101
2,2,4-Trimethylpentane	10.10	11.49	114
Methyl Methacrylate	11.00	11.74	107
Heptane	10.50	10.52	100
cis-1,3-Dichloropropene	10.50	11.09	106
4-Methyl-2-pentanone (MiBK)	10.50	11.80	112
trans-1,3-Dichloropropene	10.60	11.08	105
1,1,2-Trichloroethane	10.60	10.17	96
Toluene	10.80	10.31	95
2-Hexanone (MBK)	10.50	12.61	120
Dibromochloromethane	10.60	11.67	110
1,2-Dibromoethane	10.60	10.80	102
Tetrachloroethene (PCE)	10.50	9.91	94
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.07	95
m & p-Xylene	21.20	19.12	90
Bromoform	10.60	10.53	99
Styrene	10.60	10.04	95
1,1,2,2-Tetrachloroethane	10.60	10.07	95
o-Xylene	10.60	9.69	91
1,2,3-Trichloropropane	11.00	10.76	98
Isopropylbenzene (Cumene)	10.40	9.56	92
α-Pinene	10.80	9.76	90
2-Chlorotoluene	10.30	9.77	95
n-Propylbenzene	10.10	9.20	91
4-Ethyltoluene	10.40	9.21	89
1,3,5-Trimethylbenzene	10.30	9.29	90
β-Pinene	10.90	7.77	71
1,2,4-Trimethylbenzene	10.30	9.43	92
Benzyl Chloride (a-Chlorotoluene)	10.30	10.49	102
1,3-Dichlorobenzene	10.30	10.06	98
1,4-Dichlorobenzene	10.20	9.99	98
Sec-ButylBenzene	10.10	9.02	89
1,2-Dichlorobenzene	10.40	9.69	93
n-ButylBenzene	10.30	10.07	98
1,2-Dibromo-3-Chloropropane	10.30	10.74	104
1,2,4-Trichlorobenzene	10.50	10.64	101
Naphthalene	10.90	11.85	109
Hexachlorobutadiene	10.80	9.30	86

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-022324-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	8.78	9.20	93	98	4.7
1,1-Dichloroethene	0.0	10.50	9.87	10.41	94	99	5.3
Methylene Chloride (DCM)	0.0	10.40	9.82	10.10	94	97	2.8
Benzene	0.0	10.70	10.68	10.56	100	99	1.1
Trichloroethene (TCE)	0.0	10.50	10.61	10.40	101	99	2.0
Toluene	0.0	10.80	10.31	10.30	95	95	0.1
Tetrachloroethene (PCE)	0.0	10.50	9.91	9.94	94	95	0.3
Chlorobenzene	0.0	10.80	10.03	10.06	93	93	0.3
Ethylbenzene	0.0	10.60	10.07	10.06	95	95	0.1
m & p-Xylene	0.0	21.20	19.12	18.94	90	89	0.9
o-Xylene	0.0	10.60	9.69	10.12	91	95	4.3

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050224*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	89%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050224*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/02/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.84

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240973-57542

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.24	8.10	1.7
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	12.7	13.0	1.9
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	7.45	7.36	1.2
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.88	3.75	3.4
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD 240988

Client/Project Name	Project Location
SCS ENGINEERS / CITY QUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN Ed	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 FULL LIST				END PRESSURE	Remarks canister/controller
MS-07	5-1/2-24	0715-0715	57695	6L SUMMA CANISTER	X				-14	002013/FC76
MS-08	5-1/2-24	0739-0740	57696	6L SUMMA CANISTER	X				0	002069/19573
MS-09	5-1/2-24	0752-0759	57697	6L SUMMA CANISTER	X				-5	001995/03111
MS-06	5-1/2-24	0823-0833	57698	6L SUMMA CANISTER	X				0	001947/19597
MS-11	5-1/2-24	0852-0854	57699	6L SUMMA CANISTER	X				-6	002002/03306

Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
	5-2-24	1017			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/2/24	1049
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240988

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GRUNA	Ed Gruna	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C7G/SUMMA	TO-15 FULL LIST			END PRESSURE	Remarks Canister/Controller
MS-12	5-1/2-24	0728-0728	57700	6L SUMMA CANISTER	X	X			-3	002090/05096
MS-10	5-1/2-24	0804-0810	57701	6L SUMMA CANISTER	X	X			0	002076/05143

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Stephen Booth	5-2-24	1017			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
				5/2/24	1049
Sample Disposal Method:	Disposed of by: (Signature)			Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240988

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7	307.9(5)(iii)

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample							Remarks
MS-07	5-1/2-24	0715-0715	57702	10 Liter BAG	X						
MS-12	5-1/2-24	0728-0728	57703	10 Liter BAG	X						
MS-08	5-1/2-24	0739-0740	57704	10 Liter BAG	X						
MS-09	5-1/2-24	0752-0759	57705	10 Liter BAG	X						
MS-10	5-1/2-24	0804-0810	57706	10 Liter BAG	X						
MS-06	5-1/2-24	0823-0833	57707	10 Liter BAG	X						
MS-11	5-1/2-24	0852-0852	57708	10 Liter BAG	X						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-2-24	1017			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/2/24	1029
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVentura

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 240988
REPORT DATE : 05/06/2024

On May 2nd 2024, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-12	240988-57700	612.5
MS-10	240988-57701	725.0
MS-07	240988-57702	NA
MS-12	240988-57703	NA
MS-08	240988-57704	NA
MS-09	240988-57705	NA
MS-10	240988-57706	NA
MS-06	240988-57707	NA
MS-11	240988-57708	NA

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240988
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/01-02/2024
RECEIVING DATE : 05/02/2024
ANALYSIS DATE : 05/03/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-10
AAC ID	240988-57700	240988-57701
Canister Dil. Fac.	1.5	1.4
Analyte	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007
COS / SO2	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240988
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/01-02/2024
RECEIVING DATE : 05/02/2024
ANALYSIS DATE : 05/02/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	240988-57702	240988-57703	240988-57704	240988-57705
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 240988
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/01-02/2024
RECEIVING DATE : 05/02/2024
ANALYSIS DATE : 05/02/2024
REPORT DATE : 05/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	240988-57706	240988-57707	240988-57708
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/2/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11390	0.528	103.3	3.7
Duplicate	10913	0.506	99.0	0.7
Triplicate	10658	0.494	96.7	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9563	0.516	102.8	2.1
Duplicate	9568	0.516	102.8	2.2
Triplicate	8960	0.483	96.3	4.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12137	0.504	101.3	0.4
Duplicate	12450	0.517	103.9	2.2
Triplicate	11962	0.496	99.9	1.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240973-57555**

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 **240973-57555 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.235	92.0	92.0	0.0
MeSH	<PQL	0.251	0.236	0.250	94.0	99.6	5.8
DMS	<PQL	0.249	0.251	0.267	101.0	107.4	6.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.473	92.6
MeSH	0.502	0.475	94.6
DMS	0.497	0.467	94.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/3/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10979	0.509	99.6	2.6
Duplicate	10644	0.494	96.6	0.5
Triplicate	10474	0.486	95.0	2.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9080	0.490	97.6	0.9
Duplicate	8911	0.481	95.8	1.0
Triplicate	9006	0.486	96.8	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12006	0.498	100.2	0.7
Duplicate	11938	0.495	99.7	0.1
Triplicate	11821	0.491	98.7	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.248	97.8	97.1	0.8
MeSH	<PQL	0.251	0.267	0.265	106.4	105.6	0.8
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.545	106.7
MeSH	0.502	0.537	107.0
DMS	0.497	0.538	108.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CHAIN OF CUSTODY RECORD 240988

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GRUNA	Ed Gruna	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-day/surface	TO-15 Full List			End Pressure	Remarks Canister/Controller
MS-12	5-1/2-24	0728 - 0728	577700	6L SUMMA CANISTER	X	X			-3	002090/05096
MS-10	5-1/2-24	0804 - 0810	577701	6L SUMMA CANISTER	X	X			0	002076/05143

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Stephen Bond	5-2-24	1017			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/6/24	1049

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 240988

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3074/SULFUR					Remarks
MS-07	5-1/2-24	0715-0715	57702	10 Liter Bag	X					
MS-12	5-1/2-24	0728-0728	57703	10 Liter Bag	X					
MS-08	5-1/2-24	0739-0740	57704	10 Liter Bag	X					
MS-09	5-1/2-24	0752-0759	57705	10 Liter Bag	X					
MS-10	5-1/2-24	0804-0810	57706	10 Liter Bag	X					
MS-06	5-1/2-24	0823-0833	57707	10 Liter Bag	X					
MS-11	5-1/2-24	0852-0902	57708	10 Liter Bag	X					

Relinquished by: (Signature)	**Date** 5-2-24	**Time** 1017	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/2/24	**Time** 1029
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CHAIN OF CUSTODY RECORD 240988

Client/Project Name	Project Location
SCS ENGINEERS / CITY/QUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	5

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-15 Full List				End Pressure	Remarks canister/controller
MS-07	5-1/2-24	0715-0715	57695	6L Summa canister	X				-14	002013/FC76
MS-08	5-1/2-24	0739-0740	57696	6L Summa canister	X				0	002069/18573
MS-09	5-1/2-24	0752-0759	57697	6L Summa canister	X				-5	001995/03111
MS-06	5-1/2-24	0823-0833	57698	6L Summa canister	X				0	001947/18597
MS-11	5-1/2-24	0852-0854	57699	6L Summa canister	X				-6	002002/03306

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-2-24	1017			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/2/24	1017
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

D/O - 7+ cans + 7+ Coastal Enteching

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241014
REPORT DATE : 05/09/2024

On May 7, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241014-57825	758.0
MS-12	241014-57826	760.0
MS-08	241014-57827	539.0
MS-09	241014-57828	753.0
MS-10	241014-57829	740.0
MS-06	241014-57830	721.5
MS-11	241014-57831	659.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 19 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57825				241014-57826				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/07/2024				
Can Dilution Factor	1.34				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Methanol	7.40		1	6.71	7.55		1	6.68	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Ethanol	4.95		1	2.68	3.46		1	2.67	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Acetone	<SRL	U	1	2.68	<SRL	U	1	2.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	<SRL	U	1	2.68	<SRL	U	1	2.67	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.68	<SRL	U	1	2.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
2-Butanone (MEK)	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57825				241014-57826				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/07/2024				
Can Dilution Factor	1.34				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,4-Dioxane	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
2-Hexanone (MBK)	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
m & p-Xylene	<SRL	U	1	1.34	<SRL	U	1	1.34	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.67	0.50
BFB-Surrogate Std. % Recovery		91%				87%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57827				241014-57828				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/07/2024				
Can Dilution Factor	1.89				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Dichlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Methanol	<SRL	U	1	9.47	6.98		1	6.89	5.00
1,3-Butadiene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Ethanol	<SRL	U	1	3.79	5.45		1	2.75	2.00
Vinyl Bromide	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Acetone	<SRL	U	1	3.79	3.61		1	2.75	2.00
Trichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	3.79	<SRL	U	1	2.75	2.00
Acrylonitrile	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Allyl Chloride	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Carbon Disulfide	<SRL	U	1	3.79	<SRL	U	1	2.75	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57827				241014-57828				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/07/2024				
Can Dilution Factor	1.89				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Trichloroethene (TCE)	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Dibromochloromethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.89	<SRL	U	1	1.38	1.00
Bromoform	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.95	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		92%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57829				241014-57830				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/08/2024				
Can Dilution Factor	1.37				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methanol	7.04		1	6.87	7.12		1	7.05	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethanol	5.77		1	2.75	3.84		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Acetone	3.09		1	2.75	4.47		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.75	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.75	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57829				241014-57830				
Date Sampled	05/06/2024				05/06/2024				
Date Analyzed	05/07/2024				05/08/2024				
Can Dilution Factor	1.37				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.37	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		92%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57831				
Date Sampled	05/06/2024				
Date Analyzed	05/07/2024				
Can Dilution Factor	1.54				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.77	0.50
Methanol	<SRL	U	1	7.70	5.00
1,3-Butadiene	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	3.08	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	3.08	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.08	2.00
Acrylonitrile	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	3.08	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241014
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/07/2024
DATE REPORTED : 05/09/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241014-57831				
Date Sampled	05/06/2024				
Date Analyzed	05/07/2024				
Can Dilution Factor	1.54				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		92%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/07/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.49	101
Chlorodifluoromethane	10.20	10.38	102
Propene	10.70	10.15	95
Dichlorodifluoromethane	10.40	10.94	105
Dimethyl Ether	10.40	10.15	98
Chloromethane	10.50	9.49	90
Dichlorotetrafluoroethane	10.20	10.52	103
Vinyl Chloride	10.60	10.92	103
Acetaldehyde	20.40	23.71	116
Methanol	22.30	18.48	83
1,3-Butadiene	10.70	11.24	105
Bromomethane	10.40	10.64	102
Chloroethane	10.40	9.13	88
Dichlorofluoromethane	10.30	10.46	102
Ethanol	11.40	10.70	94
Vinyl Bromide	10.60	10.33	97
Acrolein	10.90	11.01	101
Acetone	10.60	9.83	93
Trichlorofluoromethane	10.50	10.67	102
2-Propanol (IPA)	11.00	10.96	100
Acrylonitrile	10.90	10.38	95
1,1-Dichloroethene	10.50	10.50	100
Methylene Chloride (DCM)	10.40	10.20	98
TertButanol (TBA)	11.20	10.61	95
Allyl Chloride	10.70	10.03	94
Carbon Disulfide	10.50	10.94	104
Trichlorotrifluoroethane	10.30	10.37	101
trans-1,2-Dichloroethene	10.80	11.07	103
1,1-Dichloroethane	10.70	10.76	101
Methyl Tert Butyl Ether (MTBE)	10.70	10.36	97
Vinyl Acetate	11.00	10.90	99
2-Butanone (MEK)	10.70	10.23	96
cis-1,2-Dichloroethene	10.70	10.81	101
Hexane	10.80	9.90	92
Chloroform	10.70	10.76	101
Ethyl Acetate	10.70	10.60	99
Tetrahydrofuran	10.40	10.23	98
1,2-Dichloroethane	10.60	10.84	102
1,1,1-Trichloroethane	10.50	10.48	100
Benzene	10.70	10.42	97
Carbon Tetrachloride	10.30	10.06	98
Cyclohexane	10.50	9.74	93

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.10	94
Bromodichloromethane	10.50	10.18	97
1,4-Dioxane	10.50	10.43	99
Trichloroethene (TCE)	10.50	10.10	96
2,2,4-Trimethylpentane	10.60	9.90	93
Methyl Methacrylate	11.00	10.58	96
Heptane	10.50	10.55	100
cis-1,3-Dichloropropene	10.50	10.12	96
4-Methyl-2-pentanone (MiBK)	10.50	9.52	91
trans-1,3-Dichloropropene	10.60	10.54	99
1,1,2-Trichloroethane	10.60	10.15	96
Toluene	10.80	10.21	95
2-Hexanone (MBK)	10.50	9.85	94
Dibromochloromethane	10.60	10.01	94
1,2-Dibromoethane	10.60	10.15	96
Tetrachloroethene (PCE)	10.50	9.67	92
Chlorobenzene	10.80	9.66	89
Ethylbenzene	10.60	10.14	96
m & p-Xylene	21.20	18.92	89
Bromoform	10.60	9.95	94
Styrene	10.60	10.21	96
1,1,2,2-Tetrachloroethane	10.60	9.87	93
o-Xylene	10.60	10.09	95
1,2,3-Trichloropropane	10.60	10.55	100
Isopropylbenzene (Cumene)	10.60	9.73	92
α-Pinene	10.10	9.06	90
2-Chlorotoluene	10.70	10.01	94
n-Propylbenzene	10.60	9.49	90
4-Ethyltoluene	10.40	9.59	92
1,3,5-Trimethylbenzene	10.30	9.61	93
β-Pinene	10.90	8.68	80
1,2,4-Trimethylbenzene	10.30	9.75	95
Benzyl Chloride (a-Chlorotoluene)	10.30	8.55	83
1,3-Dichlorobenzene	10.30	9.72	94
1,4-Dichlorobenzene	10.20	9.62	94
Sec-ButylBenzene	10.70	9.52	89
1,2-Dichlorobenzene	10.40	10.01	96
n-ButylBenzene	10.60	8.88	84
1,2-Dibromo-3-Chloropropane	10.30	9.24	90
1,2,4-Trichlorobenzene	10.50	11.14	106
Naphthalene	10.90	11.56	106
Hexachlorobutadiene	10.80	9.69	90

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/07/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.49	9.26	101	99	2.5
1,1-Dichloroethene	0.0	10.50	10.50	9.96	100	95	5.3
Methylene Chloride (DCM)	0.0	10.40	10.20	10.09	98	97	1.1
Benzene	0.0	10.70	10.42	10.42	97	97	0.0
Trichloroethene (TCE)	0.0	10.50	10.10	10.00	96	95	1.0
Toluene	0.0	10.80	10.21	10.29	95	95	0.8
Tetrachloroethene (PCE)	0.0	10.50	9.67	9.98	92	95	3.2
Chlorobenzene	0.0	10.80	9.66	9.67	89	90	0.1
Ethylbenzene	0.0	10.60	10.14	10.05	96	95	0.9
m & p-Xylene	0.0	21.20	18.92	19.12	89	90	1.1
o-Xylene	0.0	10.60	10.09	10.04	95	95	0.5

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/07/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050724*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050724*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/07/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 240979-57633

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	9.38	9.36	0.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	16.2	16.8	3.4
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	35.4	36.1	1.9
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	44.1	44.9	1.7
Cyclohexane	29.9	29.9	0.1

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	40.1	41.3	2.9
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	18.8	19.5	3.6
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	16.9	17.5	3.6
m & p-Xylene	36.9	38.3	3.9
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	16.3	17.1	4.7
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	26.4	29.2	9.7
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.60	102
Chlorodifluoromethane	10.20	10.29	101
Propene	10.70	10.02	94
Dichlorodifluoromethane	10.40	10.93	105
Dimethyl Ether	10.40	9.76	94
Chloromethane	10.50	9.56	91
Dichlorotetrafluoroethane	10.20	10.01	98
Vinyl Chloride	10.60	10.69	101
Acetaldehyde	20.40	22.62	111
Methanol	22.30	17.25	77
1,3-Butadiene	10.70	10.61	99
Bromomethane	10.40	10.48	101
Chloroethane	10.40	9.69	93
Dichlorofluoromethane	10.30	10.09	98
Ethanol	11.40	10.60	93
Vinyl Bromide	10.60	10.17	96
Acrolein	10.90	10.60	97
Acetone	10.60	9.63	91
Trichlorofluoromethane	10.50	10.38	99
2-Propanol (IPA)	11.00	10.55	96
Acrylonitrile	10.90	10.29	94
1,1-Dichloroethene	10.50	10.26	98
Methylene Chloride (DCM)	10.40	10.00	96
TertButanol (TBA)	11.20	10.58	94
Allyl Chloride	10.70	9.93	93
Carbon Disulfide	10.50	10.47	100
Trichlorotrifluoroethane	10.30	9.98	97
trans-1,2-Dichloroethene	10.80	10.82	100
1,1-Dichloroethane	10.70	10.51	98
Methyl Tert Butyl Ether (MTBE)	10.70	9.82	92
Vinyl Acetate	11.00	10.83	98
2-Butanone (MEK)	10.70	9.42	88
cis-1,2-Dichloroethene	10.70	10.60	99
Hexane	10.80	10.02	93
Chloroform	10.70	10.47	98
Ethyl Acetate	10.70	10.11	94
Tetrahydrofuran	10.40	9.20	88
1,2-Dichloroethane	10.60	10.46	99
1,1,1-Trichloroethane	10.50	10.08	96
Benzene	10.70	10.31	96
Carbon Tetrachloride	10.30	10.02	97
Cyclohexane	10.50	10.03	96

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.98	93
Bromodichloromethane	10.50	9.90	94
1,4-Dioxane	10.50	9.26	88
Trichloroethene (TCE)	10.50	9.90	94
2,2,4-Trimethylpentane	10.60	9.86	93
Methyl Methacrylate	11.00	10.32	94
Heptane	10.50	10.17	97
cis-1,3-Dichloropropene	10.50	9.91	94
4-Methyl-2-pentanone (MiBK)	10.50	9.68	92
trans-1,3-Dichloropropene	10.60	10.17	96
1,1,2-Trichloroethane	10.60	10.02	95
Toluene	10.80	9.94	92
2-Hexanone (MBK)	10.50	9.17	87
Dibromochloromethane	10.60	9.66	91
1,2-Dibromoethane	10.60	9.89	93
Tetrachloroethene (PCE)	10.50	9.42	90
Chlorobenzene	10.80	9.74	90
Ethylbenzene	10.60	10.10	95
m & p-Xylene	21.20	19.00	90
Bromoform	10.60	9.60	91
Styrene	10.60	10.08	95
1,1,2,2-Tetrachloroethane	10.60	9.60	91
o-Xylene	10.60	9.99	94
1,2,3-Trichloropropane	10.60	10.48	99
Isopropylbenzene (Cumene)	10.60	9.73	92
α-Pinene	10.10	8.69	86
2-Chlorotoluene	10.70	9.89	92
n-Propylbenzene	10.60	9.49	90
4-Ethyltoluene	10.40	9.61	92
1,3,5-Trimethylbenzene	10.30	9.53	93
β-Pinene	10.90	9.21	84
1,2,4-Trimethylbenzene	10.30	9.58	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.89	77
1,3-Dichlorobenzene	10.30	9.51	92
1,4-Dichlorobenzene	10.20	9.52	93
Sec-ButylBenzene	10.70	9.32	87
1,2-Dichlorobenzene	10.40	9.65	93
n-ButylBenzene	10.60	8.48	80
1,2-Dibromo-3-Chloropropane	10.30	8.28	80
1,2,4-Trichlorobenzene	10.50	10.24	98
Naphthalene	10.90	10.61	97
Hexachlorobutadiene	10.80	9.02	84

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.60	9.46	102	101	1.5
1,1-Dichloroethene	0.0	10.50	10.26	10.48	98	100	2.1
Methylene Chloride (DCM)	0.0	10.40	10.00	10.12	96	97	1.2
Benzene	0.0	10.70	10.31	10.56	96	99	2.4
Trichloroethene (TCE)	0.0	10.50	9.90	10.10	94	96	2.0
Toluene	0.0	10.80	9.94	10.28	92	95	3.4
Tetrachloroethene (PCE)	0.0	10.50	9.42	9.73	90	93	3.2
Chlorobenzene	0.0	10.80	9.74	9.79	90	91	0.5
Ethylbenzene	0.0	10.60	10.10	10.17	95	96	0.7
m & p-Xylene	0.0	21.20	19.00	19.21	90	91	1.1
o-Xylene	0.0	10.60	9.99	10.18	94	96	1.9

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 050824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 050824*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/08/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.41

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241014-57830

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.64	8.59	0.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	7.12	7.18	0.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	3.84	3.88	1.1
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	4.47	4.60	2.8
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY RECORD 24014

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	2.7-9 L/MIN	10-15 L/MIN			Can Pressure	Remarks Canister/Controller
MS-07	5-6/7-24	0708-0708	57825	6L SUMMA CANISTER	X	X			-2HG	001843/000966
MS-12	5-6/7-24	0718-0718	57826	6L SUMMA CANISTER	X	X			-1HG	002078/05259
MS-08	5-6/7-24	0727-0727	57827	6L SUMMA CANISTER	X	X			-10HG	002046/000882
MS-09	5-6/7-24	0739-0739	57828	6L SUMMA CANISTER	X	X			0HG	001983/17589
MS-10	5-6/7-24	0754-0754	57829	6L SUMMA CANISTER	X	X			0HG	002041/19596
MS-06	5-6/7-24	0812-0812	57830	6L SUMMA CANISTER	X	X			-1HG	001803/03528
MS-11	5-6/7-24	0835-0835	57831	6L SUMMA CANISTER	X	X			-3HG	002042/000988

Relinquished by: (Signature) Ed	**Date** 5/7/24	**Time** 0950	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/7/24	**Time** 0950
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 241014

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers**	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91/SULFUR					Remarks
MS-07	5-6/7-24	0708-0708	57832	10 Liter BAG	X					
MS-12	5-6/7-24	0718-0718	57833	10 Liter BAG	X					
MS-08	5-6/7-24	0727-0727	57834	10 Liter BAG	X					
MS-09	5-6/7-24	0739-0739	57835	10 Liter BAG	X					
MS-10	5-6/7-24	0754-0754	57836	10 Liter BAG	X					
MS-06	5-6/7-24	0812-0812	57837	10 Liter BAG	X					
MS-11	5-6/7-24	0835-0835	57838	10 Liter BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	5/7/24	0950			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/7/24	0950
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 241014
REPORT DATE	: 05/10/2024

On May 7th 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags and seven (7) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)	Client ID	Lab No.
MS-07	241014-57825	758.0	MS-07	241014-57832
MS-12	241014-57826	760.0	MS-12	241014-57833
MS-08	241014-57827	539.0	MS-08	241014-57834
MS-09	241014-57828	753.0	MS-09	241014-57835
MS-10	241014-57829	740.0	MS-10	241014-57836
MS-06	241014-57830	721.5	MS-06	241014-57837
MS-11	241014-57831	659.5	MS-11	241014-57838

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241014
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/06-07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/09/2024
REPORT DATE : 05/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241014-57825	241014-57826	241014-57827	241014-57828
Canister Dil. Fac.	1.3	1.3	1.9	1.4
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.009	< 0.007
COS / SO2	< 0.007	< 0.007	< 0.009	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.009	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.009	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.009	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.009	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.009	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.009	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	< 0.009	< 0.007
2-Methylthiophene	< 0.007	< 0.007	< 0.009	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.009	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.009	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.009	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.009	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.009	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.009	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.009	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241014
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/06-07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/09/2024
REPORT DATE : 05/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241014-57829	241014-57830	241014-57831
Canister Dil. Fac.	1.4	1.4	1.5
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.008
COS / SO2	< 0.007	< 0.007	< 0.008
Methyl Mercaptan	< 0.007	< 0.007	< 0.008
Ethyl Mercaptan	< 0.007	< 0.007	< 0.008
Dimethyl Sulfide	< 0.007	< 0.007	< 0.008
Carbon Disulfide	< 0.007	< 0.007	< 0.008
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.008
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.008
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.008
Methylethylsulfide	< 0.007	< 0.007	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.008
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.008
Diethyl Sulfide	< 0.007	< 0.007	< 0.008
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.008
Dimethyl Disulfide	< 0.007	< 0.007	< 0.008
2-Methylthiophene	< 0.007	< 0.007	< 0.008
3-Methylthiophene	< 0.007	< 0.007	< 0.008
Tetrahydrothiophene	< 0.007	< 0.007	< 0.008
Bromothiophene	< 0.007	< 0.007	< 0.008
Thiophenol	< 0.007	< 0.007	< 0.008
Diethyl Disulfide	< 0.007	< 0.007	< 0.008
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.008
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241014
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/06-07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/07/2024
REPORT DATE : 05/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241014-57832	241014-57833	241014-57834	241014-57835
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241014
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/06-07/2024
RECEIVING DATE : 05/07/2024
ANALYSIS DATE : 05/07/2024
REPORT DATE : 05/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241014-57836	241014-57837	241014-57838
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/7/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10859	0.503	98.5	0.0
Duplicate	10525	0.488	95.5	3.1
Triplicate	11188	0.519	101.5	3.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9050	0.488	97.3	0.1
Duplicate	8911	0.481	95.8	1.6
Triplicate	9216	0.497	99.0	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12278	0.510	102.5	0.8
Duplicate	11906	0.494	99.4	2.3
Triplicate	12360	0.513	103.2	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.254	0.252	99.4	98.6	0.8
MeSH	<PQL	0.251	0.263	0.260	104.8	103.6	1.1
DMS	<PQL	0.249	0.266	0.265	107.0	106.6	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.504	98.6
MeSH	0.502	0.509	101.4
DMS	0.497	0.508	102.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/9/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11405	0.529	103.5	1.4
Duplicate	11388	0.528	103.3	1.3
Triplicate	10939	0.507	99.3	2.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9473	0.511	101.8	0.2
Duplicate	9536	0.514	102.5	0.9
Triplicate	9354	0.505	100.5	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12536	0.520	104.7	0.6
Duplicate	12421	0.515	103.7	0.4
Triplicate	12440	0.516	103.9	0.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.231	92.0	90.4	1.7
MeSH	<PQL	0.251	0.245	0.251	97.6	100.0	2.4
DMS	<PQL	0.249	0.259	0.267	104.2	107.4	3.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.487	95.3
MeSH	0.502	0.468	93.2
DMS	0.497	0.488	98.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 241014

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers**

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 SULFUR					Remarks
MS-07	5/6/24	0708-0708	57832	10 Liter BAG	X					
MS-12	5/6/24	0718-0718	57833	10 Liter BAG	X					
MS-08	5/6/24	0727-0727	57834	10 Liter BAG	X					
MS-09	5/6/24	0739-0739	57835	10 Liter BAG	X					
MS-10	5/6/24	0754-0754	57836	10 Liter BAG	X					
MS-06	5/6/24	0812-0812	57837	10 Liter BAG	X					
MS-11	5/6/24	0835-0835	57838	10 Liter BAG	X					

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	5/7/24	0950	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/7/24	0950
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CHAIN OF CUSTODY RECORD 24014

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	2079/Solvent	10-15 Full List	Gas Pressure	Remarks Canister/Controller
MS-07	5-6/7-24	0708-0708	57825	6L Summa Canister	X	X		-2HG-001843/000966
MS-12	5-6/7-24	0718-0718	57826	6L Summa Canister	X	X		-11HG-002078/05259
MS-08	5-6/7-24	0727-0727	57827	6L Summa Canister	X	X		-10HG-002046/000882
MS-09	5-6/7-24	0739-0739	57828	6L Summa Canister	X	X		-6HG-001983/17589
MS-10	5-6/7-24	0754-0754	57829	6L Summa Canister	X	X		-8HG-002041/19596
MS-06	5-6/7-24	0812-0812	57830	6L Summa Canister	X	X		-1HG-001803/03528
MS-11	5-6/7-24	0835-0835	57831	6L Summa Canister	X	X		-3HG-002042/000988

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Guzman	5/7/24	0950			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/7/24	0950
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7L cans + 7L coated Entechs

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 241077
REPORT DATE	: 05/15/2024

On May 14, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241077-58194	656.5
MS-12	241077-58195	735.5
MS-08	241077-58196	723.0
MS-09	241077-58197	737.5
MS-10	241077-58198	664.5
MS-06	241077-58199	705.0
MS-11	241077-58200	693.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58194				241077-58195				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/14/2024				
Can Dilution Factor	1.55				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Methanol	<SRL	U	1	7.74	7.46		1	6.93	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Ethanol	3.67		1	3.10	3.66		1	2.77	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Acetone	5.23		1	3.10	3.61		1	2.77	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	3.10	<SRL	U	1	2.77	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	3.10	<SRL	U	1	2.77	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	1.72		1	1.55	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58194				241077-58195				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/14/2024				
Can Dilution Factor	1.55				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.55	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		92%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58196				241077-58197				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/14/2024				
Can Dilution Factor	1.40				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Methanol	<SRL	U	1	7.02	15.4		1	6.89	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Ethanol	3.07		1	2.81	15.0		1	2.76	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Acetone	3.69		1	2.81	12.4		1	2.76	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	2.90		1	2.76	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Allyl Chloride	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Carbon Disulfide	<SRL	U	1	2.81	<SRL	U	1	2.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58196				241077-58197				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/14/2024				
Can Dilution Factor	1.40				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.40	<SRL	U	1	1.38	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58198				241077-58199				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/15/2024				
Can Dilution Factor	1.53				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Methanol	7.94		1	7.65	<SRL	U	1	7.22	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Ethanol	4.10		1	3.06	4.43		1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Acetone	6.44		1	3.06	4.91		1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58198				241077-58199				
Date Sampled	05/13/2024				05/13/2024				
Date Analyzed	05/14/2024				05/15/2024				
Can Dilution Factor	1.53				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58200				
Date Sampled	05/13/2024				
Date Analyzed	05/14/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	9.60		1	7.33	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	4.57		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241077
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/14/2024
DATE REPORTED : 05/15/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241077-58200				
Date Sampled	05/13/2024				
Date Analyzed	05/14/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		93%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/14/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.45	101
Chlorodifluoromethane	10.20	10.65	104
Propene	10.70	10.57	99
Dichlorodifluoromethane	10.40	11.09	107
Dimethyl Ether	10.40	10.01	96
Chloromethane	10.50	9.96	95
Dichlorotetrafluoroethane	10.20	10.40	102
Vinyl Chloride	10.60	11.12	105
Acetaldehyde	20.40	22.94	112
Methanol	22.30	17.95	80
1,3-Butadiene	10.70	10.70	100
Bromomethane	10.40	10.56	102
Chloroethane	10.40	9.10	88
Dichlorofluoromethane	10.30	10.30	100
Ethanol	11.40	10.89	96
Vinyl Bromide	10.60	10.12	95
Acrolein	10.90	11.21	103
Acetone	10.60	10.11	95
Trichlorofluoromethane	10.50	10.47	100
2-Propanol (IPA)	11.00	10.90	99
Acrylonitrile	10.90	10.78	99
1,1-Dichloroethene	10.50	10.42	99
Methylene Chloride (DCM)	10.40	10.12	97
TertButanol (TBA)	11.20	10.44	93
Allyl Chloride	10.70	9.95	93
Carbon Disulfide	10.50	10.71	102
Trichlorotrifluoroethane	10.30	10.04	97
trans-1,2-Dichloroethene	10.80	10.87	101
1,1-Dichloroethane	10.70	10.68	100
Methyl Tert Butyl Ether (MTBE)	10.70	9.70	91
Vinyl Acetate	11.00	10.79	98
2-Butanone (MEK)	10.70	10.12	95
cis-1,2-Dichloroethene	10.70	10.74	100
Hexane	10.80	10.75	100
Chloroform	10.70	10.73	100
Ethyl Acetate	10.70	10.51	98
Tetrahydrofuran	10.40	10.04	97
1,2-Dichloroethane	10.60	10.60	100
1,1,1-Trichloroethane	10.50	10.39	99
Benzene	10.70	10.39	97
Carbon Tetrachloride	10.30	9.91	96
Cyclohexane	10.50	9.46	90

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.09	94
Bromodichloromethane	10.50	9.88	94
1,4-Dioxane	10.50	9.06	86
Trichloroethene (TCE)	10.50	9.92	94
2,2,4-Trimethylpentane	10.60	9.84	93
Methyl Methacrylate	11.00	10.11	92
Heptane	10.50	9.97	95
cis-1,3-Dichloropropene	10.50	9.73	93
4-Methyl-2-pentanone (MiBK)	10.50	9.32	89
trans-1,3-Dichloropropene	10.60	9.48	89
1,1,2-Trichloroethane	10.60	9.96	94
Toluene	10.80	9.96	92
2-Hexanone (MBK)	10.50	9.47	90
Dibromochloromethane	10.60	9.59	90
1,2-Dibromoethane	10.60	9.89	93
Tetrachloroethene (PCE)	10.50	9.44	90
Chlorobenzene	10.80	9.80	91
Ethylbenzene	10.60	10.02	95
m & p-Xylene	21.20	18.88	89
Bromoform	10.60	9.49	90
Styrene	10.60	10.04	95
1,1,2,2-Tetrachloroethane	10.60	9.54	90
o-Xylene	10.60	9.97	94
1,2,3-Trichloropropane	10.60	10.48	99
Isopropylbenzene (Cumene)	10.60	9.65	91
α-Pinene	10.10	9.55	95
2-Chlorotoluene	10.70	9.84	92
n-Propylbenzene	10.60	9.50	90
4-Ethyltoluene	10.40	9.66	93
1,3,5-Trimethylbenzene	10.30	9.54	93
β-Pinene	10.90	8.92	82
1,2,4-Trimethylbenzene	10.30	9.65	94
Benzyl Chloride (a-Chlorotoluene)	10.30	7.64	74
1,3-Dichlorobenzene	10.30	9.76	95
1,4-Dichlorobenzene	10.20	9.65	95
Sec-ButylBenzene	10.70	9.34	87
1,2-Dichlorobenzene	10.40	9.70	93
n-ButylBenzene	10.60	8.62	81
1,2-Dibromo-3-Chloropropane	10.30	8.13	79
1,2,4-Trichlorobenzene	10.50	10.50	100
Naphthalene	10.90	10.90	100
Hexachlorobutadiene	10.80	9.15	85

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/14/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.45	9.33	101	99	1.3
1,1-Dichloroethene	0.0	10.50	10.42	10.33	99	98	0.9
Methylene Chloride (DCM)	0.0	10.40	10.12	10.18	97	98	0.6
Benzene	0.0	10.70	10.39	10.49	97	98	1.0
Trichloroethene (TCE)	0.0	10.50	9.92	10.00	94	95	0.8
Toluene	0.0	10.80	9.96	10.26	92	95	3.0
Tetrachloroethene (PCE)	0.0	10.50	9.44	9.59	90	91	1.6
Chlorobenzene	0.0	10.80	9.80	9.46	91	88	3.5
Ethylbenzene	0.0	10.60	10.02	9.90	95	93	1.2
m & p-Xylene	0.0	21.20	18.88	18.83	89	89	0.3
o-Xylene	0.0	10.60	9.97	9.91	94	93	0.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/14/2024 **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 051424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	93%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 051424*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/14/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.36

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241044-58014

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.93	9.02	1.0
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	7.85	8.03	2.2
Methanol	16.5	16.5	0.1
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	18.1	19.0	5.1
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	8.74	9.13	4.4
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	9.72	10.0	3.0
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide J	1.94	2.18	11.9
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	0.81	0.76	5.2
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene J	0.81	0.78	3.4
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	1.01	1.00	1.4
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

CHAIN OF CUSTODY RECORD 241077

Client/Project Name	Project Location
SCS ENGINEERS / CITIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3074/SULFUR	10-15/FULL LIST			END PRESSURE	Remarks canister/controller
MS-07	5-13/14-24	0726 - 0726	58194	6L SUMMA CANISTER	X	X			-8	001985/000708
MS-12	5-13/14-24	0741 - 0741	58195	6L SUMMA CANISTER	X	X			-2	001986/03304
MS-08	5-13/14-24	0751 - 0751	58196	6L SUMMA CANISTER	X	X			-3	002026/000710
MS-09	5-13/14-24	0803 - 0803	58197	6L SUMMA CANISTER	X	X			-2	001921/03527
MS-10	5-13/14-24	0817 - 0817	58198	6L SUMMA CANISTER	X	X			-3	002039/000884
MS-06	5-13/14-24	0835 - 0835	58199	6L SUMMA CANISTER	X	X			0	002017/04136
MS-11	5-13/14-24	0856 - 0856	58200	6L SUMMA CANISTER	X	X			-1	001806/000805

	Date	Time		Date	Time
Relinquished by: (Signature) Stephen Borchers	5-14-24	1009	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/14/24	1016
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 241077

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-H SULFUR					Remarks
MS-07	5-13/14-24	0726 - 0726	58201	10 LITER BAG	X					
MS-12	5-13/14-24	0741 - 0741	58202	10 LITER BAG	X					
MS-08	5-13/14-24	0751 - 0751	58203	10 LITER BAG	X					
MS-09	5-13/14-24	0803 - 0803	58204	10 LITER BAG	X					
MS-10	5-13/14-24	0817 - 0817	58205	10 LITER BAG	X					
MS-06	5-13/14-24	0835 - 0835	58206	10 LITER BAG	X					
MS-11	5-13/14-24	0856 - 0856	58207	10 LITER BAG	X					

Relinquished by: (Signature) Stephen Bacher	**Date** 5-14-24	**Time** 1009	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/14/24	**Time** 1016
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241077
REPORT DATE : 05/20/2024

On May 14th, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.	Return Pressure (mmHg)
MS-07	241077-58194	656.5	MS-07	241077-58201	N/A
MS-12	241077-58195	735.5	MS-12	241077-58202	N/A
MS-08	241077-58196	723.0	MS-08	241077-58203	N/A
MS-09	241077-58197	737.0	MS-09	241077-58204	N/A
MS-10	241077-58198	664.5	MS-10	241077-58205	N/A
MS-06	241077-59199	705.0	MS-06	241077-58206	N/A
MS-11	241077-58200	693.5	MS-11	241077-58207	N/A

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241077
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/13-14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/17/2024
REPORT DATE : 05/20/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241077-58194	241077-58195	241077-58196	241077-58197
Canister Dil. Fac.	1.55	1.39	1.40	1.38
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.022**	**0.017**	< 0.007	< 0.007
COS / SO2	**0.280**	< 0.007	< 0.007	< 0.007
Methyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
Ethyl Mercaptan	< 0.008	**0.012**	< 0.007	< 0.007
Dimethyl Sulfide	< 0.008	< 0.007	< 0.007	< 0.007
Carbon Disulfide	< 0.008	< 0.007	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
Methylethylsulfide	< 0.008	< 0.007	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
Diethyl Sulfide	< 0.008	< 0.007	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.007	< 0.007
Dimethyl Disulfide	< 0.008	< 0.007	< 0.007	< 0.007
2-Methylthiophene	< 0.008	< 0.007	< 0.007	< 0.007
3-Methylthiophene	< 0.008	< 0.007	< 0.007	< 0.007
Tetrahydrothiophene	< 0.008	< 0.007	< 0.007	< 0.007
Bromothiophene	< 0.008	< 0.007	< 0.007	< 0.007
Thiophenol	< 0.008	< 0.007	< 0.007	< 0.007
Diethyl Disulfide	< 0.008	< 0.007	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.007	< 0.007
Total Reduced Sulfurs	**0.022**	**0.029**	< 0.007	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241077
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/13-14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/17/2024
REPORT DATE : 05/20/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241077-58198	241077-59199	241077-58200
Canister Dil. Fac.	1.53	1.44	1.47
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007	< 0.007
COS / SO2	< 0.008	< 0.007	< 0.007
Methyl Mercaptan	< 0.008	< 0.007	< 0.007
Ethyl Mercaptan	< 0.008	< 0.007	< 0.007
Dimethyl Sulfide	< 0.008	< 0.007	< 0.007
Carbon Disulfide	< 0.008	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.007
Methylethylsulfide	< 0.008	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.007
Diethyl Sulfide	< 0.008	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.007
Dimethyl Disulfide	< 0.008	< 0.007	< 0.007
2-Methylthiophene	< 0.008	< 0.007	< 0.007
3-Methylthiophene	< 0.008	< 0.007	< 0.007
Tetrahydrothiophene	< 0.008	< 0.007	< 0.007
Bromothiophene	< 0.008	< 0.007	< 0.007
Thiophenol	< 0.008	< 0.007	< 0.007
Diethyl Disulfide	< 0.008	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.008	< 0.007	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241077
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/13-14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/14/2024
REPORT DATE : 05/20/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241077-58201	241077-58202	241077-58203	241077-58204
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.060**	**0.034**	**0.020**	**0.043**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	**0.011**	**0.008**	**0.007**	**0.007**
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.008**
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	**0.013**	< 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	**0.071**	**0.055**	**0.027**	**0.058**

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241077
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/13-14/2024
RECEIVING DATE : 05/14/2024
ANALYSIS DATE : 05/14/2024
REPORT DATE : 05/20/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241077-58205	241077-58206	241077-58207
Analyte	Result	Result	Result
Hydrogen Sulfide	**0.014**	**0.017**	**0.009**
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	**0.006**	**0.007**	**0.007**
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.020**	**0.024**	**0.016**

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/14/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11366	0.527	103.1	1.9
Duplicate	11459	0.531	104.0	2.7
Triplicate	10634	0.493	96.5	4.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9576	0.517	102.9	2.7
Duplicate	9526	0.514	102.4	2.2
Triplicate	8862	0.478	95.2	4.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12324	0.511	102.9	1.3
Duplicate	12462	0.517	104.0	2.4
Triplicate	11724	0.486	97.9	3.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.274	108.0	107.2	0.7
MeSH	<PQL	0.251	0.267	0.266	106.4	106.0	0.4
DMS	<PQL	0.249	0.263	0.273	105.8	109.9	3.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.501	98.0
MeSH	0.502	0.500	99.6
DMS	0.497	0.489	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/17/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11061	0.513	100.4	1.1
Duplicate	10874	0.504	98.7	0.6
Triplicate	10874	0.504	98.7	0.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9185	0.495	98.7	0.9
Duplicate	9306	0.502	100.0	0.4
Triplicate	9306	0.502	100.0	0.4

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12301	0.510	102.7	0.1
Duplicate	12317	0.511	102.8	0.0
Triplicate	12317	0.511	102.8	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241077-581094**

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 **241077-581094 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.270	0.268	105.7	104.9	0.7
MeSH	<PQL	0.251	0.266	0.274	106.0	109.2	3.0
DMS	<PQL	0.249	0.272	0.268	109.5	107.8	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.527	103.1
MeSH	0.502	0.507	101.0
DMS	0.497	0.500	100.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL 50.0 ppbV
MDL 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CHAIN OF CUSTODY RECORD 24077

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-24 HOUR	TO-15 FULL LIST			4 HR PRESSURE	Remarks canister/controller
MS-07	5-13/14-24	0726 - 0726	58194	6L SUMMA CANISTER	X	X			-8	001985/000708
MS-12	5-13/14-24	0741 - 0741	58195	6L SUMMA CANISTER	X	X			-2	001986/033504
MS-08	5-13/14-24	0751 - 0751	58196	6L SUMMA CANISTER	X	X			-3	002026/000710
MS-09	5-13/14-24	0803 - 0803	58197	6L SUMMA CANISTER	X	X			-2	001921/03527
MS-10	5-13/14-24	0817 - 0817	58198	6L SUMMA CANISTER	X	X			-3	002039/000884
MS-06	5-13/14-24	0835 - 0835	58199	6L SUMMA CANISTER	X	X			0	002017/041136
MS-11	5-13/14-24	0856 - 0856	58200	6L SUMMA CANISTER	X	X			-1	001866/000805

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Stephen Sanchez	5-14-24	1009			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/14/24	1016
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7L cans + 2x coated Fittings

CHAIN OF CUSTODY RECORD 241077

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-9 SULFUR					Remarks
MS-07	5-13/14-24	0726 - 0726	58201	10 LITER BAG	X					
MS-12	5-13/14-24	0741 - 0741	58202	10 LITER BAG	X					
MS-08	5-13/14-24	0751 - 0751	58203	10 LITER BAG	X					
MS-09	5-13/14-24	0803 - 0803	58204	10 LITER BAG	X					
MS-10	5-13/14-24	0817 - 0817	58205	10 LITER BAG	X					
MS-06	5-13/14-24	0835 - 0835	58206	10 LITER BAG	X					
MS-11	5-13/14-24	0856 - 0856	58207	10 LITER BAG	X					

	Date	Time		Date	Time
Relinquished by: (Signature) Stephe Bacha	5-14-24	1009	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/14/24	1016
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241144
REPORT DATE : 05/23/2024

On May 21, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241144-58572	722.0
MS-12	241144-58573	719.0
MS-08	241144-58574	383.5
MS-09	241144-58575	659.5
MS-10	241144-58576	749.0
MS-06	241144-58577	654.5
MS-11	241144-58578	695.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com • (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58572				241144-58573				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/21/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.05	<SRL	U	1	7.07	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethanol	7.34		1	2.82	3.67		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Acetone	3.39		1	2.82	<SRL	U	1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.82	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.82	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58572				241144-58573				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/21/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		93%				93%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58574				241144-58575				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/21/2024				
Can Dilution Factor	2.65				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	1.32	1.32		1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Methanol	<SRL	U	1	13.2	<SRL	U	1	7.70	5.00
1,3-Butadiene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	5.29	<SRL	U	1	3.08	2.00
Vinyl Bromide	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Acetone	<SRL	U	1	5.29	3.96		1	3.08	2.00
Trichlorofluoromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	5.29	<SRL	U	1	3.08	2.00
Acrylonitrile	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	5.29	<SRL	U	1	3.08	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58574				241144-58575				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/21/2024				
Can Dilution Factor	2.65				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	2.65	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	1.32	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		92%				94%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com ∘ (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58576				241144-58577				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/22/2024				
Can Dilution Factor	1.35				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Chloromethane	0.72		1	0.68	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	6.77	<SRL	U	1	7.76	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Ethanol	3.91		1	2.71	6.25		1	3.10	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Acetone	5.15		1	2.71	3.49		1	3.10	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	2.71	<SRL	U	1	3.10	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	2.71	<SRL	U	1	3.10	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58576				241144-58577				
Date Sampled	05/20/2024				05/20/2024				
Date Analyzed	05/21/2024				05/22/2024				
Can Dilution Factor	1.35				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		93%				94%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58578				
Date Sampled	05/20/2024				
Date Analyzed	05/21/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.32	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241144
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/21/2024
DATE REPORTED : 05/23/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241144-58578				
Date Sampled	05/20/2024				
Date Analyzed	05/21/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/21/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.53	101
Chlorodifluoromethane	10.20	10.62	104
Propene	10.70	10.43	97
Dichlorodifluoromethane	10.40	11.01	106
Dimethyl Ether	10.40	10.46	101
Chloromethane	10.50	10.18	97
Dichlorotetrafluoroethane	10.20	10.21	100
Vinyl Chloride	10.60	10.78	102
Acetaldehyde	20.40	22.72	111
Methanol	22.30	18.31	82
1,3-Butadiene	10.70	11.01	103
Bromomethane	10.40	10.21	98
Chloroethane	10.40	8.99	86
Dichlorofluoromethane	10.30	10.22	99
Ethanol	11.40	10.85	95
Vinyl Bromide	10.60	9.61	91
Acrolein	10.90	11.30	104
Acetone	10.60	9.85	93
Trichlorofluoromethane	10.50	9.98	95
2-Propanol (IPA)	11.00	10.86	99
Acrylonitrile	10.90	10.47	96
1,1-Dichloroethene	10.50	10.12	96
Methylene Chloride (DCM)	10.40	9.85	95
TertButanol (TBA)	11.20	10.40	93
Allyl Chloride	10.70	9.96	93
Carbon Disulfide	10.50	10.68	102
Trichlorotrifluoroethane	10.30	9.76	95
trans-1,2-Dichloroethene	10.80	10.68	99
1,1-Dichloroethane	10.70	10.58	99
Methyl Tert Butyl Ether (MTBE)	10.70	10.04	94
Vinyl Acetate	11.00	11.38	103
2-Butanone (MEK)	10.70	9.76	91
cis-1,2-Dichloroethene	10.70	10.47	98
Hexane	10.80	10.51	97
Chloroform	10.70	10.38	97
Ethyl Acetate	10.70	10.72	100
Tetrahydrofuran	10.40	9.88	95
1,2-Dichloroethane	10.60	10.50	99
1,1,1-Trichloroethane	10.50	10.07	96
Benzene	10.70	10.39	97
Carbon Tetrachloride	10.30	10.08	98
Cyclohexane	10.50	9.69	92

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.15	95
Bromodichloromethane	10.50	10.01	95
1,4-Dioxane	10.50	9.51	91
Trichloroethene (TCE)	10.50	9.85	94
2,2,4-Trimethylpentane	10.60	10.03	95
Methyl Methacrylate	11.00	10.29	94
Heptane	10.50	10.23	97
cis-1,3-Dichloropropene	10.50	9.85	94
4-Methyl-2-pentanone (MiBK)	10.50	9.99	95
trans-1,3-Dichloropropene	10.60	10.20	96
1,1,2-Trichloroethane	10.60	10.03	95
Toluene	10.80	10.02	93
2-Hexanone (MBK)	10.50	9.96	95
Dibromochloromethane	10.60	9.40	89
1,2-Dibromoethane	10.60	9.90	93
Tetrachloroethene (PCE)	10.50	9.46	90
Chlorobenzene	10.80	9.75	90
Ethylbenzene	10.60	10.03	95
m & p-Xylene	21.20	18.79	89
Bromoform	10.60	9.20	87
Styrene	10.60	10.03	95
1,1,2,2-Tetrachloroethane	10.60	9.57	90
o-Xylene	10.60	9.98	94
1,2,3-Trichloropropane	10.60	10.54	99
Isopropylbenzene (Cumene)	10.60	9.59	90
α-Pinene	10.10	9.45	94
2-Chlorotoluene	10.70	9.88	92
n-Propylbenzene	10.60	9.50	90
4-Ethyltoluene	10.40	9.57	92
1,3,5-Trimethylbenzene	10.30	9.47	92
β-Pinene	10.90	7.86	72
1,2,4-Trimethylbenzene	10.30	9.68	94
Benzyl Chloride (a-Chlorotoluene)	10.30	7.95	77
1,3-Dichlorobenzene	10.30	9.60	93
1,4-Dichlorobenzene	10.20	9.55	94
Sec-ButylBenzene	10.70	9.31	87
1,2-Dichlorobenzene	10.40	9.66	93
n-ButylBenzene	10.60	8.53	80
1,2-Dibromo-3-Chloropropane	10.30	8.33	81
1,2,4-Trichlorobenzene	10.50	10.59	101
Naphthalene	10.90	11.95	110
Hexachlorobutadiene	10.80	8.80	81

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/21/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.53	9.34	101	99	2.0
1,1-Dichloroethene	0.0	10.50	10.12	10.50	96	100	3.7
Methylene Chloride (DCM)	0.0	10.40	9.85	10.63	95	102	7.6
Benzene	0.0	10.70	10.39	10.76	97	101	3.5
Trichloroethene (TCE)	0.0	10.50	9.85	10.06	94	96	2.1
Toluene	0.0	10.80	10.02	10.49	93	97	4.6
Tetrachloroethene (PCE)	0.0	10.50	9.46	10.06	90	96	6.1
Chlorobenzene	0.0	10.80	9.75	10.03	90	93	2.8
Ethylbenzene	0.0	10.60	10.03	10.21	95	96	1.8
m & p-Xylene	0.0	21.20	18.79	19.57	89	92	4.1
o-Xylene	0.0	10.60	9.98	10.29	94	97	3.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/21/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 052124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	94%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 052124*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/21/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x7.81

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241094-58288

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.82	9.16	3.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	218	225	3.3
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD 241144

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR ORDER SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List			Can/Controller Pressure	Remarks Can/Controller
MS-07	5-20/21-24	0715-0715	58572	6L Summa Canister	X	X			-5 HG	001974/17588
MS-12	5-20/21-24	0731-0731	58573	6L Summa Canister	X	X			-5 HG	001955/17582
MS-08	5-20/21-24	0741-0741	58574	6L Summa Canister	X	X			-7 HG	001825/19512
MS-09	5-20/21-24	0753-0753	58575	6L Summa Canister	X	X			-2 HG	002033/19508
MS-10	5-20/21-24	0805-0805	58576	6L Summa Canister	X	X			0 HG	002034/19593
MS-06	5-20/21-24	0824-0824	58577	6L Summa Canister	X	X			-5 HG	001840/19506
MS-11	5-20/21-24	0845-0845	58578	6L Summa Canister	X	X			-3 HG	002018/17582

Relinquished by: (Signature)	**Date** 5/21/24	**Time** 1009	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/21/24	**Time** 1009
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 241144

Client/Project Name	Project Location
SCS Engineers/ Chiquita Canyon Landfill Air/ODOR Sampling	JALENCIA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	

No. Of Containers: 7

ANALYSES: 307.9/Sulfur

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.9/Sulfur	Remarks
MS-07	5-20/21-24	0715-0715	58579	10 Liter Bag	X	
MS-12	5-20/21-24	0731-0731	58580	10 Liter Bag	X	
MS-08	5-20/21-24	0741-0741	58581	10 Liter Bag	X	
MS-09	5-20/21-24	0753 0753	58582	10 Liter Bag	X	
MS-10	5-20/21-24	0805-0805	58583	10 Liter Bag	X	
MS-06	5-20/21-24	0824-0824	58584	10 Liter Bag	X	
MS-11	5-20/21-24	0845-0845	58585	10 Liter Bag	X	

	Date	Time		Date	Time
Relinquished by: (Signature)	5/21/24	1009	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/21/24	1009
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241144
REPORT DATE : 05/24/2024

On May 21st 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags and seven (7) Six-Liter Silonite Canisters 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.	Return Pressure (mmHg)	Client ID	Lab No.
MS-07	241144-58572	722.0	MS-07	241144-58579
MS-12	241144-58573	719.0	MS-12	241144-58580
MS-08	241144-58574	383.5	MS-08	241144-58581
MS-09	241144-58575	659.5	MS-09	241144-58582
MS-10	241144-58576	749.0	MS-10	241144-58583
MS-06	241144-58577	654.5	MS-06	241144-58584
MS-11	241144-58578	695.0	MS-11	241144-58585

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241144
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/20-21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/23/2024
REPORT DATE : 05/24/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241144-58572	241144-58573	241144-58574	241144-58575
Canister Dil. Fac.	1.4	1.4	2.6	1.5
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.013	< 0.008
COS / SO2	< 0.007	< 0.007	< 0.013	< 0.008
Methyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
Ethyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
Dimethyl Sulfide	< 0.007	< 0.007	< 0.013	< 0.008
Carbon Disulfide	< 0.007	< 0.007	< 0.013	< 0.008
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
Methylethylsulfide	< 0.007	< 0.007	< 0.013	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.013	< 0.008
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
Diethyl Sulfide	< 0.007	< 0.007	< 0.013	< 0.008
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.008
Dimethyl Disulfide	< 0.007	< 0.007	< 0.013	< 0.008
2-Methylthiophene	< 0.007	< 0.007	< 0.013	< 0.008
3-Methylthiophene	< 0.007	< 0.007	< 0.013	< 0.008
Tetrahydrothiophene	< 0.007	< 0.007	< 0.013	< 0.008
Bromothiophene	< 0.007	< 0.007	< 0.013	< 0.008
Thiophenol	< 0.007	< 0.007	< 0.013	< 0.008
Diethyl Disulfide	< 0.007	< 0.007	< 0.013	< 0.008
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.013	< 0.008
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.013	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241144
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/20-21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/23/2024
REPORT DATE : 05/24/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241144-58576	241144-58577	241144-58578
Canister Dil. Fac.	1.4	1.6	1.5
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.007
COS / SO2	< 0.007	< 0.008	< 0.007
Methyl Mercaptan	< 0.007	< 0.008	< 0.007
Ethyl Mercaptan	< 0.007	< 0.008	< 0.007
Dimethyl Sulfide	< 0.007	< 0.008	< 0.007
Carbon Disulfide	< 0.007	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.007
Methylethylsulfide	< 0.007	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.007
Diethyl Sulfide	< 0.007	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.007
Dimethyl Disulfide	< 0.007	< 0.008	< 0.007
2-Methylthiophene	< 0.007	< 0.008	< 0.007
3-Methylthiophene	< 0.007	< 0.008	< 0.007
Tetrahydrothiophene	< 0.007	< 0.008	< 0.007
Bromothiophene	< 0.007	< 0.008	< 0.007
Thiophenol	< 0.007	< 0.008	< 0.007
Diethyl Disulfide	< 0.007	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.008	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241144
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/20-21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/21/2024
REPORT DATE : 05/24/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241144-58579	241144-58580	241144-58581	241144-58582
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.011**	< 0.005	**0.009**
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	**0.006**	**0.006**
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	**0.011**	**0.006**	**0.015**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241144
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/20-21/2024
RECEIVING DATE : 05/21/2024
ANALYSIS DATE : 05/21/2024
REPORT DATE : 05/24/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241144-58583	241144-58584	241144-58585
Analyte	Result	Result	Result
Hydrogen Sulfide	**0.008**	**0.008**	**0.006**
COS / SO2	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.008**	**0.008**	**0.006**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/21/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11366	0.527	103.1	1.1
Duplicate	10970	0.509	99.5	2.4
Triplicate	11394	0.528	103.4	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9558	0.516	102.7	0.9
Duplicate	9173	0.495	98.6	3.2
Triplicate	9698	0.523	104.2	2.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12510	0.519	104.5	0.4
Duplicate	12404	0.515	103.6	0.5
Triplicate	12482	0.518	104.2	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56257**

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 **240745-56257 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.273	0.272	106.8	106.5	0.4
MeSH	<PQL	0.251	0.262	0.270	104.4	107.6	3.0
DMS	<PQL	0.249	0.270	0.272	108.7	109.5	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.541	105.9
MeSH	0.502	0.549	109.4
DMS	0.497	0.530	106.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/23/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10479	0.486	95.1	5.0
Duplicate	11210	0.520	101.7	1.6
Triplicate	11400	0.529	103.4	3.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9114	0.492	97.9	3.6
Duplicate	9648	0.520	103.7	2.1
Triplicate	9592	0.517	103.1	1.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12146	0.504	101.4	1.9
Duplicate	12498	0.519	104.3	0.9
Triplicate	12510	0.519	104.4	1.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.261	0.245	102.2	95.9	6.3
MeSH	<PQL	0.251	0.273	0.265	108.8	105.6	3.0
DMS	<PQL	0.249	0.269	0.270	108.2	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.493	96.5
MeSH	0.502	0.499	99.4
DMS	0.497	0.492	99.0

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 241144

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) Ed. Guzman	**(Signature)** Ed G **No. Of Containers** 7

ANALYSES

Sample No./ identification	Date	Time	Lab Sample Number	Type of Sample	30-24 hr Sulfide	10-15 Fall List	Ed's Pressure	Remarks (Canister / Controller)
MS-07	5-20/21-24	0715 - 0715	58572	6L Summa Canister	X	X		-3HG 001974 / 17588
MS-12	5-20/21-24	0731 - 0731	58573	6L Summa Canister	X	X		-9HG 001955 / 17584
MS-08	5-20/21-24	0741 - 0741	58574	6L Summa Canister	X	X		-7HG 001825 / 19572
MS-09	5-20/21-24	0753 - 0753	58575	6L Summa Canister	X	X		-2HG 002033 / 19508
MS-10	5-20/21-24	0805 - 0805	58576	6L Summa Canister	X	X		-4HG 002034 / 19593
MS-06	5-20/21-24	0824 - 0824	58577	6L Summa Canister	X	X		-5HG 001840 / 19506
MS-11	5-20/21-24	0845 - 0845	58578	6L Summa Canister	X	X		-3HG 002018 / 17582

	Date	Time		Date	Time
Relinquished by: (Signature) Ed G	5/21/24	1009	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	5/21/24	1009
Sample Disposal Method:			**Disposed of by: (Signature)**		

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

D/O - 7x cans + 7x Control Entech

CHAIN OF CUSTODY RECORD 241194

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Landfill Air/ODOR Sampling	VALENCIA	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307 g/ Sulfur					Remarks
MS-07	5-20/21-21	0715-0715	58579	10 Liter Bag	X					
MS-12	5-20/21-21	0731-0731	58580	10 Liter Bag	X					
MS-08	5-20/21-21	0741-0741	58581	10 Liter Bag	X					
MS-09	5-20/21-21	0753-0753	58582	10 Liter Bag	X					
MS-10	5-20/21-21	0805-0805	58583	10 Liter Bag	X					
MS-06	5-20/21-21	0824-0824	58584	10 Liter Bag	X					
MS-11	5-20/21-21	0845-0845	58585	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/21/21	1009			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/21/21	1009
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241215
REPORT DATE : 05/31/2024

On May 29, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241215-58990	616.5
MS-12	241215-58991	751.5
MS-08	241215-58992	546.0
MS-09	241215-58993	499.5
MS-10	241215-58994	668.0
MS-06	241215-58995	720.5
MS-11	241215-58996	634.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58990				241215-58991				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/30/2024				
Can Dilution Factor	1.65				1.35				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Dichlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methanol	8.94		1	8.25	10.2		1	6.76	5.00
1,3-Butadiene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethanol	4.75		1	3.30	6.68		1	2.71	2.00
Vinyl Bromide	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Acetone	3.48		1	3.30	4.69		1	2.71	2.00
Trichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	3.30	<SRL	U	1	2.71	2.00
Acrylonitrile	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Allyl Chloride	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Carbon Disulfide	<SRL	U	1	3.30	<SRL	U	1	2.71	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58990				241215-58991				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/30/2024				
Can Dilution Factor	1.65				1.35				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Trichloroethene (TCE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Dibromochloromethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.65	<SRL	U	1	1.35	1.00
Bromoform	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.82	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		90%				92%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL)	MS-09			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241215-58992				241215-58993				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/30/2024				
Can Dilution Factor	1.86				2.03				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Propene	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Dichlorodifluoromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Chloromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Vinyl Chloride	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Methanol	<SRL	U	1	9.31	<SRL	U	1	10.2	5.00
1,3-Butadiene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Bromomethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Chloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Dichlorofluoromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Ethanol	<SRL	U	1	3.72	<SRL	U	1	4.06	2.00
Vinyl Bromide	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Acetone	3.84		1	3.72	6.84		1	4.06	2.00
Trichlorofluoromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
2-Propanol (IPA)	<SRL	U	1	3.72	<SRL	U	1	4.06	2.00
Acrylonitrile	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,1-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Allyl Chloride	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Carbon Disulfide	<SRL	U	1	3.72	<SRL	U	1	4.06	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,1-Dichloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Vinyl Acetate	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
2-Butanone (MEK)	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Hexane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Chloroform	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Ethyl Acetate	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Tetrahydrofuran	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2-Dichloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Benzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58992				241215-58993				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/30/2024				
Can Dilution Factor	1.86				2.03				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Cyclohexane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2-Dichloropropane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Bromodichloromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,4-Dioxane	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Trichloroethene (TCE)	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Heptane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Toluene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
2-Hexanone (MBK)	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Dibromochloromethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2-Dibromoethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Chlorobenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Ethylbenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
m & p-Xylene	<SRL	U	1	1.86	<SRL	U	1	2.03	1.00
Bromoform	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Styrene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
o-Xylene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
4-Ethyltoluene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
Hexachlorobutadiene	<SRL	U	1	0.93	<SRL	U	1	1.02	0.50
BFB-Surrogate Std. % Recovery		90%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58994				241215-58995				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/31/2024				
Can Dilution Factor	1.52				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Methanol	8.32		1	7.60	7.71		1	7.06	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Ethanol	5.02		1	3.04	7.16		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Acetone	4.85		1	3.04	4.05		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241215-58994				241215-58995				
Date Sampled	05/28/2024				05/28/2024				
Date Analyzed	05/30/2024				05/31/2024				
Can Dilution Factor	1.52				1.41				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		89%				87%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58996				
Date Sampled	05/28/2024				
Date Analyzed	05/30/2024				
Can Dilution Factor	1.60				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	0.50
Propene	<SRL	U	1	1.60	1.00
Dichlorodifluoromethane	<SRL	U	1	0.80	0.50
Chloromethane	<SRL	U	1	0.80	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.80	0.50
Vinyl Chloride	<SRL	U	1	0.80	0.50
Methanol	10.7		1	8.00	5.00
1,3-Butadiene	<SRL	U	1	0.80	0.50
Bromomethane	<SRL	U	1	0.80	0.50
Chloroethane	<SRL	U	1	0.80	0.50
Dichlorofluoromethane	<SRL	U	1	0.80	0.50
Ethanol	<SRL	U	1	3.20	2.00
Vinyl Bromide	<SRL	U	1	0.80	0.50
Acetone	4.24		1	3.20	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	<SRL	U	1	3.20	2.00
Acrylonitrile	<SRL	U	1	0.80	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.60	1.00
Allyl Chloride	<SRL	U	1	1.60	1.00
Carbon Disulfide	<SRL	U	1	3.20	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.80	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.80	0.50
1,1-Dichloroethane	<SRL	U	1	0.80	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.80	0.50
Vinyl Acetate	<SRL	U	1	0.80	0.50
2-Butanone (MEK)	<SRL	U	1	1.60	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	0.50
Hexane	<SRL	U	1	0.80	0.50
Chloroform	<SRL	U	1	0.80	0.50
Ethyl Acetate	<SRL	U	1	0.80	0.50
Tetrahydrofuran	<SRL	U	1	0.80	0.50
1,2-Dichloroethane	<SRL	U	1	0.80	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.80	0.50
Benzene	<SRL	U	1	0.80	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241215
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 05/29/2024
DATE REPORTED : 05/31/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241215-58996				
Date Sampled	05/28/2024				
Date Analyzed	05/30/2024				
Can Dilution Factor	1.60				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	0.50
Cyclohexane	<SRL	U	1	0.80	0.50
1,2-Dichloropropane	<SRL	U	1	0.80	0.50
Bromodichloromethane	<SRL	U	1	0.80	0.50
1,4-Dioxane	<SRL	U	1	1.60	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	0.50
Heptane	<SRL	U	1	0.80	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.80	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.80	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.80	0.50
Toluene	<SRL	U	1	0.80	0.50
2-Hexanone (MBK)	<SRL	U	1	1.60	1.00
Dibromochloromethane	<SRL	U	1	0.80	0.50
1,2-Dibromoethane	<SRL	U	1	0.80	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.80	0.50
Chlorobenzene	<SRL	U	1	0.80	0.50
Ethylbenzene	<SRL	U	1	0.80	0.50
m & p-Xylene	<SRL	U	1	1.60	1.00
Bromoform	<SRL	U	1	0.80	0.50
Styrene	<SRL	U	1	0.80	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.80	0.50
o-Xylene	<SRL	U	1	0.80	0.50
4-Ethyltoluene	<SRL	U	1	0.80	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.80	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.80	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.80	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.80	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.80	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.80	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.80	0.50
Hexachlorobutadiene	<SRL	U	1	0.80	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/30/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.69	103
Chlorodifluoromethane	10.20	11.66	114
Propene	10.70	7.46	70
Dichlorodifluoromethane	10.40	11.57	111
Dimethyl Ether	10.40	11.50	111
Chloromethane	10.50	11.54	110
Dichlorotetrafluoroethane	10.20	10.79	106
Vinyl Chloride	10.60	11.24	106
Acetaldehyde HR	20.40	26.77	131
Methanol	22.30	21.26	95
1,3-Butadiene	10.70	11.81	110
Bromomethane	10.40	10.71	103
Chloroethane	10.40	9.92	95
Dichlorofluoromethane	10.30	10.96	106
Ethanol	11.40	12.69	111
Vinyl Bromide	10.60	10.65	100
Acrolein	10.90	12.25	112
Acetone	10.60	11.04	104
Trichlorofluoromethane	10.50	10.98	105
2-Propanol (IPA)	11.00	12.52	114
Acrylonitrile	10.90	12.05	111
1,1-Dichloroethene	10.50	10.90	104
Methylene Chloride (DCM)	10.40	10.66	103
TertButanol (TBA)	11.20	11.73	105
Allyl Chloride	10.70	11.14	104
Carbon Disulfide	10.50	11.31	108
Trichlorotrifluoroethane	10.30	10.72	104
trans-1,2-Dichloroethene	10.80	11.48	106
1,1-Dichloroethane	10.70	11.58	108
Methyl Tert Butyl Ether (MTBE)	10.70	11.06	103
Vinyl Acetate	11.00	12.63	115
2-Butanone (MEK)	10.70	11.65	109
cis-1,2-Dichloroethene	10.70	11.39	106
Hexane	10.80	10.29	95
Chloroform	10.70	11.54	108
Ethyl Acetate	10.70	12.15	114
Tetrahydrofuran	10.40	10.46	101
1,2-Dichloroethane	10.60	11.60	109
1,1,1-Trichloroethane	10.50	11.20	107
Benzene	10.70	10.50	98
Carbon Tetrachloride	10.30	9.89	96
Cyclohexane	10.50	9.94	95

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.35	97
Bromodichloromethane	10.50	10.02	95
1,4-Dioxane	10.50	9.94	95
Trichloroethene (TCE)	10.50	9.89	94
2,2,4-Trimethylpentane	10.60	10.36	98
Methyl Methacrylate	11.00	10.74	98
Heptane	10.50	10.48	100
cis-1,3-Dichloropropene	10.50	9.87	94
4-Methyl-2-pentanone (MiBK)	10.50	10.12	96
trans-1,3-Dichloropropene	10.60	10.26	97
1,1,2-Trichloroethane	10.60	9.91	93
Toluene	10.80	10.11	94
2-Hexanone (MBK)	10.50	10.46	100
Dibromochloromethane	10.60	9.59	90
1,2-Dibromoethane	10.60	9.90	93
Tetrachloroethene (PCE)	10.50	9.35	89
Chlorobenzene	10.80	9.87	91
Ethylbenzene	10.60	10.28	97
m & p-Xylene	21.20	19.47	92
Bromoform	10.60	9.54	90
Styrene	10.60	10.25	97
1,1,2,2-Tetrachloroethane	10.60	9.72	92
o-Xylene	10.60	10.20	96
1,2,3-Trichloropropane	10.60	10.50	99
Isopropylbenzene (Cumene)	10.60	9.86	93
α-Pinene	10.10	9.87	98
2-Chlorotoluene	10.70	10.18	95
n-Propylbenzene	10.60	9.70	92
4-Ethyltoluene	10.40	9.77	94
1,3,5-Trimethylbenzene	10.30	9.62	93
β-Pinene	10.90	7.77	71
1,2,4-Trimethylbenzene	10.30	9.72	94
Benzyl Chloride (a-Chlorotoluene)	10.30	7.71	75
1,3-Dichlorobenzene	10.30	9.84	96
1,4-Dichlorobenzene	10.20	9.85	97
Sec-ButylBenzene	10.70	9.50	89
1,2-Dichlorobenzene	10.40	9.76	94
n-ButylBenzene	10.60	8.79	83
1,2-Dibromo-3-Chloropropane	10.30	8.52	83
1,2,4-Trichlorobenzene	10.50	10.65	101
Naphthalene	10.90	11.64	107
Hexachlorobutadiene	10.80	9.02	84

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/30/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.69	8.93	103	95	8.2
1,1-Dichloroethene	0.0	10.50	10.90	10.74	104	102	1.5
Methylene Chloride (DCM)	0.0	10.40	10.66	10.56	103	102	0.9
Benzene	0.0	10.70	10.50	10.66	98	100	1.5
Trichloroethene (TCE)	0.0	10.50	9.89	9.89	94	94	0.0
Toluene	0.0	10.80	10.11	10.36	94	96	2.4
Tetrachloroethene (PCE)	0.0	10.50	9.35	9.79	89	93	4.6
Chlorobenzene	0.0	10.80	9.87	9.79	91	91	0.8
Ethylbenzene	0.0	10.60	10.28	10.23	97	97	0.5
m & p-Xylene	0.0	21.20	19.47	19.28	92	91	1.0
o-Xylene	0.0	10.60	10.20	10.24	96	97	0.4

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/30/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 053024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	95%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 053024*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 05/30/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x36

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241211-58967

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	9.04	8.65	4.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	1720	1750	1.4
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD 24125

Client/Project Name	Project Location
SCS ENGINEERS/11 CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GORMAN / Ed	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079 SULFUR	TO-15 FULL LIST			END PRESSURE	Remarks canister/controller
MS-07	5-28/29-24	0720-0720	58990	6L SUMMA CANISTER	X	X			-8HG	002007/000966
MS-12	5-28/29-24	0729-0729	58991	6L SUMMA CANISTER	X	X			-0HG	002013/000998
MS-08	5-28/29-24	0737-0737	58992	6L SUMMA CANISTER	X	X			-7HG	002069/000883
MS-09	5-28/29-24	0749-0749	58993	6L SUMMA CANISTER	X	X			-10HG	001995/03792
MS-10	5-28/29-24	0807-0807	58994	6L SUMMA CANISTER	X	X			-3HG	00213/17589
MS-06	5-28/29-24	0825-0825	58995	6L SUMMA CANISTER	X	X			-2HG	002042/000882
MS-11	5-28/29-24	0849-0849	58996	6L SUMMA CANISTER	X	X			-5HG	001936/03528

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	5/29/24	1003			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/29/24	1003
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 24125

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	

No. Of Containers: 7

ANALYSES: 3079/SULFUR

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079/SULFUR	Remarks
MS-07	5-28/29-24	0720-0720	58997	10 LITER BAG	X	
MS-12	5-28/29-24	0729-0729	58998	10 LITER BAG	X	
MS-08	5-28/29-24	0737-0737	58999	10 LITER BAG	X	
MS-09	5-28/29-24	0749-0749	59000	10 LITER BAG	X	
MS-10	5-28/29-24	0807-0807	59001	10 LITER BAG	X	
MS-06	5-28/29-24	0825-0825	59002	10 LITER BAG	X	
MS-11	5-28/29-24	0849-0849	59003	10 LITER BAG	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/29/24	1003			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/29/24	1003

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	:	241215
REPORT DATE	:	05/31/2024

On May 29, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)
MS-07	241215-58990	616.5
MS-12	241215-58991	751.5
MS-08	241215-58992	546.0
MS-09	241215-58993	499.5
MS-10	241215-58994	668.0
MS-06	241215-58995	720.5
MS-11	241215-58996	634.5
MS-07	241215-58997	NA
MS-12	241215-58998	NA
MS-08	241215-58999	NA
MS-09	241215-59000	NA
MS-10	241215-59001	NA
MS-06	241215-59002	NA
MS-11	241215-59003	NA

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. 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 8 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241215
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28-29/2024
RECEIVING DATE : 05/29/2024
ANALYSIS DATE : 05/29-30/2024
REPORT DATE : 05/31/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-11	MS-07	MS-12	MS-08
AAC ID	241215-58995	241215-58996	241215-58997	241215-58998	241215-58999
Canister Dil. Fac.	1.4	1.6	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241215
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28-29/2024
RECEIVING DATE : 05/29/2024
ANALYSIS DATE : 05/29/2024
REPORT DATE : 05/31/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	241215-59000	241215-59001	241215-59002	241215-59003
Canister Dil. Fac.	NA	NA	NA	NA
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241215
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 05/28-29/2024
RECEIVING DATE : 05/29/2024
ANALYSIS DATE : 05/30/2024
REPORT DATE : 05/31/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10
AAC ID	241215-58990	241215-58991	241215-58992	241215-58993	241215-58994
Canister Dil. Fac.	1.6	1.4	1.9	2.0	1.5
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
COS / SO2	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Methyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Ethyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Dimethyl Sulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Carbon Disulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Methylethylsulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Diethyl Sulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Dimethyl Disulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
2-Methylthiophene	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
3-Methylthiophene	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Tetrahydrothiophene	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Bromothiophene	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Thiophenol	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Diethyl Disulfide	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008
Total Reduced Sulfurs	< 0.008	< 0.007	< 0.009	< 0.010	< 0.008

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/29/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10871	0.504	98.6	0.2
Duplicate	10671	0.495	96.8	2.1
Triplicate	11148	0.517	101.1	2.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8969	0.484	96.4	2.7
Duplicate	9210	0.497	99.0	0.1
Triplicate	9481	0.511	101.9	2.8

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12040	0.500	100.5	2.3
Duplicate	12471	0.517	104.1	1.2
Triplicate	12473	0.518	104.1	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241211-57973**

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 **241211-57973 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.257	0.259	100.6	101.4	0.8
MeSH	<PQL	0.251	0.269	0.260	107.2	103.6	3.4
DMS	<PQL	0.249	0.268	0.271	107.8	109.1	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.461	90.2
MeSH	0.502	0.468	93.2
DMS	0.497	0.475	95.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 5/30/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11394	0.528	103.4	3.8
Duplicate	10770	0.499	97.7	1.9
Triplicate	10761	0.499	97.6	1.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9760	0.526	104.9	3.5
Duplicate	9299	0.502	99.9	1.4
Triplicate	9227	0.498	99.2	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12399	0.515	103.5	0.2
Duplicate	12498	0.519	104.4	1.0
Triplicate	12219	0.507	102.0	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241215-59003**

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 **241215-59003 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.236	0.233	92.4	91.2	1.3
MeSH	<PQL	0.251	0.252	0.252	100.4	100.4	0.0
DMS	<PQL	0.249	0.268	0.269	107.8	108.2	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.478	93.5
MeSH	0.502	0.478	95.2
DMS	0.497	0.478	96.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 24125

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	Ed G

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List	Final Pressure	Remarks canister/controller
MS-07	5-28/29-24	0720-0720	58990	6L Summa Canister	X	X		-SHG-002007/000966
MS-12	5-28/29-24	0729-0729	58991	6L Summa Canister	X	X		-OHG-002013/000998
MS-08	5-28/29-24	0737-0737	58992	6L Summa Canister	X	X		-7HG-002069/000883
MS-09	5-28/29-24	0749-0749	58993	6L Summa Canister	X	X		-10HG-001995/03792
MS-10	5-28/29-24	0807-0807	58994	6L Summa Canister	X	X		-3HG-002113/17589
MS-06	5-28/29-24	0825-0825	58995	6L Summa Canister	X	X		-2HG-002042/000882
MS-11	5-28/29-24	0849-0849	58996	6L Summa Canister	X	X		-5HG-001236/03528

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed G	5/29/24	1003			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				5/29/24	1003
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7L can + 7L coated Encon

CHAIN OF CUSTODY RECORD 24125

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/10/2002 Sampling	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079/3081					Remarks
MS-07	5-28/29-21	0720 - 0720	58997	10 Liter BAG	X					
MS-12	5-28/29-21	0729 - 0729	58998	10 Liter BAG	X					
MS-08	5-28/29-21	0737 - 0737	58999	10 LITER BAG	X					
MS-09	5-28/29-21	0749 - 0749	59000	10 Liter BAG	X					
MS-10	5-28/29-21	0807 - 0807	59001	10 LITER BAG	X					
MS-06	5-28/29-21	0825 - 0825	59002	10 LITER BAG	X					
MS-11	5-28/29-21	0849 - 0849	59003	10 LITER BAG	X					

Relinquished by: (Signature)	**Date** 5/29/21	**Time** 1003	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 5/29/21	**Time** 1003
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

ATTACHMENT D

1-HR AVG. CONTINUOUS TRS MONITORING DATA

MS-04 TRS 1HR AVG. May 2024

TIMESTAMP	TRS (ppb)	Comment
5/1/24 0:00	1.7	
5/1/24 1:00	2.4	
5/1/24 2:00	6.1	
5/1/24 3:00	3.8	
5/1/24 4:00	2.5	
5/1/24 5:00	1.4	
5/1/24 6:00	1.5	
5/1/24 7:00	0.8	
5/1/24 8:00	1.5	
5/1/24 9:00	2.8	
5/1/24 10:00	2.2	
5/1/24 11:00	2.8	
5/1/24 12:00	3.8	
5/1/24 13:00	6.5	
5/1/24 14:00	6.3	
5/1/24 15:00	5.8	
5/1/24 16:00	3.9	
5/1/24 17:00	5.0	
5/1/24 18:00	1.8	
5/1/24 19:00	4.6	
5/1/24 20:00	5.0	
5/1/24 21:00	2.7	
5/1/24 22:00	2.1	
5/1/24 23:00	<0.5	
5/2/24 0:00	0.7	
5/2/24 1:00	<0.5	
5/2/24 2:00	<0.5	
5/2/24 3:00	<0.5	
5/2/24 4:00	<0.5	
5/2/24 5:00	<0.5	
5/2/24 6:00	1.2	
5/2/24 7:00	1.3	
5/2/24 8:00	18.7	
5/2/24 9:00	5.9	
5/2/24 10:00	5.2	
5/2/24 11:00	3.2	
5/2/24 12:00	<0.5	
5/2/24 13:00	<0.5	
5/2/24 14:00	<0.5	
5/2/24 15:00	<0.5	
5/2/24 16:00	<0.5	
5/2/24 17:00	<0.5	
5/2/24 18:00	<0.5	

MS-04 TRS 1HR AVG. May 2024

TIMESTAMP	TRS (ppb)	Comment
5/2/24 19:00	<0.5	
5/2/24 20:00	<0.5	
5/2/24 21:00	4.6	
5/2/24 22:00	1.0	
5/2/24 23:00	4.8	
5/3/24 0:00	6.7	
5/3/24 1:00	1.9	
5/3/24 2:00	5.4	
5/3/24 3:00	5.8	
5/3/24 4:00	0.9	
5/3/24 5:00	<0.5	
5/3/24 6:00	2.5	
5/3/24 7:00	1.6	
5/3/24 8:00	<0.5	
5/3/24 9:00	1.7	
5/3/24 10:00	4.1	
5/3/24 11:00	<0.5	

MS-12 TRS 1HR AVG. May 2024

TIMESTAMP	TRS (ppb)	Comment
5/1/24 0:00	--	Low Power/TRS Off/TRS Cal
5/1/24 1:00	--	Low Power/TRS Off/TRS Cal
5/1/24 2:00	--	Low Power/TRS Off/TRS Cal
5/1/24 3:00	--	Low Power/TRS Off/TRS Cal
5/1/24 4:00	--	Low Power/TRS Off/TRS Cal
5/1/24 5:00	--	Low Power/TRS Off/TRS Cal
5/1/24 6:00	--	Low Power/TRS Off/TRS Cal
5/1/24 7:00	--	Low Power/TRS Off/TRS Cal
5/1/24 8:00	--	Low Power/TRS Off/TRS Cal
5/1/24 9:00	--	Low Power/TRS Off/TRS Cal
5/1/24 10:00	--	Low Power/TRS Off/TRS Cal
5/1/24 11:00	--	Low Power/TRS Off/TRS Cal
5/1/24 12:00	--	Low Power/TRS Off/TRS Cal
5/1/24 13:00	--	Low Power/TRS Off/TRS Cal
5/1/24 14:00	--	Low Power/TRS Off/TRS Cal
5/1/24 15:00	--	Low Power/TRS Off/TRS Cal
5/1/24 16:00	--	Low Power/TRS Off/TRS Cal
5/1/24 17:00	--	Low Power/TRS Off/TRS Cal
5/1/24 18:00	--	Low Power/TRS Off/TRS Cal
5/1/24 19:00	--	Low Power/TRS Off/TRS Cal
5/1/24 20:00	--	Low Power/TRS Off/TRS Cal
5/1/24 21:00	--	Low Power/TRS Off/TRS Cal
5/1/24 22:00	--	Low Power/TRS Off/TRS Cal
5/1/24 23:00	--	Low Power/TRS Off/TRS Cal
5/2/24 0:00	--	Low Power/TRS Off/TRS Cal
5/2/24 1:00	--	Low Power/TRS Off/TRS Cal
5/2/24 2:00	--	Low Power/TRS Off/TRS Cal
5/2/24 3:00	--	Low Power/TRS Off/TRS Cal
5/2/24 4:00	--	Low Power/TRS Off/TRS Cal
5/2/24 5:00	--	Low Power/TRS Off/TRS Cal
5/2/24 6:00	--	Low Power/TRS Off/TRS Cal
5/2/24 7:00	--	Low Power/TRS Off/TRS Cal
5/2/24 8:00	--	Low Power/TRS Off/TRS Cal
5/2/24 9:00	--	Low Power/TRS Off/TRS Cal
5/2/24 10:00	--	Low Power/TRS Off/TRS Cal
5/2/24 11:00	--	Low Power/TRS Off/TRS Cal
5/2/24 12:00	--	Low Power/TRS Off/TRS Cal
5/2/24 13:00	<0.5	
5/2/24 14:00	<0.5	
5/2/24 15:00	<0.5	
5/2/24 16:00	<0.5	
5/2/24 17:00	<0.5	
5/2/24 18:00	<0.5	
5/2/24 19:00	<0.5	

MS-12 TRS 1HR AVG. May 2024

TIMESTAMP	TRS (ppb)	Comment
5/2/24 20:00	<0.5	
5/2/24 21:00	<0.5	
5/2/24 22:00	<0.5	
5/2/24 23:00	<0.5	
5/3/24 0:00	<0.5	
5/3/24 1:00	<0.5	
5/3/24 2:00	--	Low Power/TRS Off/TRS Cal
5/3/24 3:00	--	Low Power/TRS Off/TRS Cal
5/3/24 4:00	--	Low Power/TRS Off/TRS Cal
5/3/24 5:00	--	Low Power/TRS Off/TRS Cal
5/3/24 6:00	--	Low Power/TRS Off/TRS Cal
5/3/24 7:00	--	Low Power/TRS Off/TRS Cal
5/3/24 8:00	--	Low Power/TRS Off/TRS Cal
5/3/24 9:00	--	Low Power/TRS Off/TRS Cal
5/3/24 10:00	--	Low Power/TRS Off/TRS Cal
5/3/24 11:00	--	Low Power/TRS Off/TRS Cal

ATTACHMENT E

1-HR AVG. CONTINUOUS BTEX MONITORING DATA

MS-04 - 1-Hour Averages May 2024

Time	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylene (ppb)	WS (m/s)	WD (°)	PRESS (hPa)	AIR T (°C)	AIR RH (%)	ITEMP (°C)
5/1/2024 9:00	0.49	*<0.10*	*<0.10*	0.11	1.11	170.2	960	15.9	77.3	25.5
5/1/2024 10:00	0.32	*<0.10*	*<0.10*	*<0.10*	1.18	167.3	959.7	20.7	57.4	30
5/1/2024 11:00	0.46	0.1	*<0.10*	0.12	1.54	173.3	959.3	23.9	49.8	30.1
5/1/2024 12:00	0.43	*<0.10*	*<0.10*	0.12	1.22	162.7	958.6	26.4	38.3	30.1
5/1/2024 13:00	0.56	*<0.10*	*<0.10*	0.14	1.56	151	957.9	28.4	21.6	30.1
5/1/2024 14:00	0.63	*<0.10*	*<0.10*	0.19	1.74	126.5	957.4	28.5	19	30.1
5/1/2024 15:00	0.68	*<0.10*	*<0.10*	0.12	1.84	192.8	957.1	27.9	17.9	30.1
5/1/2024 16:00	0.53	*<0.10*	*<0.10*	0.11	1.85	201.7	957.2	26.6	18	30.1
5/1/2024 17:00	0.66	*<0.10*	*<0.10*	0.1	1.34	143.1	957.5	25.8	18.5	30
5/1/2024 18:00	0.4	*<0.10*	*<0.10*	*<0.10*	1.71	241	957.7	22.6	28.7	30
5/1/2024 19:00	0.49	*<0.10*	*<0.10*	*<0.10*	1.05	243.7	958.1	19.6	30.9	30
5/1/2024 20:00	0.51	*<0.10*	*<0.10*	0.15	0.83	299.6	958.8	16.6	55.5	30
5/1/2024 21:00	0.2	*<0.10*	*<0.10*	*<0.10*	0.9	323.9	959.5	15.1	66.4	29.9
5/1/2024 22:00	0.21	*<0.10*	*<0.10*	*<0.10*	0.86	319	960	14.3	61.7	29.9
5/1/2024 23:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.94	306.6	960	13.8	62.7	29.9
5/2/2024 0:00	0.11	*<0.10*	*<0.10*	0.13	1.04	341	960	13.2	55.4	29.9
5/2/2024 1:00	0.23	*<0.10*	*<0.10*	0.1	1.34	43.2	960.1	13.4	41.6	29.9
5/2/2024 2:00	0.25	*<0.10*	*<0.10*	0.14	1.44	35.4	959.8	12.6	37.8	29.9
5/2/2024 3:00	0.25	*<0.10*	*<0.10*	*<0.10*	1.26	40.8	959.8	11.4	40	29.9
5/2/2024 4:00	0.25	*<0.10*	*<0.10*	*<0.10*	1.38	43.1	960	11.1	41.3	29.9
5/2/2024 5:00	0.3	*<0.10*	*<0.10*	0.1	1.01	23.5	960.2	10.3	45.4	29.9
5/2/2024 6:00	0.22	*<0.10*	*<0.10*	0.13	0.84	19.5	960.8	9.5	49.1	29.8
5/2/2024 7:00	0.37	*<0.10*	*<0.10*	0.13	1.01	53.5	961.3	12	45.4	30
5/2/2024 8:00	1.31	0.13	*<0.10*	0.18	0.81	173.2	961.3	16.5	43.9	30
5/2/2024 9:00	0.59	*<0.10*	*<0.10*	0.17	1.03	173.6	961.3	20.1	43.3	30
5/2/2024 10:00	0.55	*<0.10*	*<0.10*	0.1	1.22	160.8	961.1	23.6	42	30.1
5/2/2024 11:00	0.89	0.14	*<0.10*	0.1	1.68	171.6	960.6	25.6	41	30.1
5/2/2024 12:00	0.24	*<0.10*	*<0.10*	0.1	2.59	211.3	960.1	25.1	39.1	30.1
5/2/2024 13:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.94	206.4	959.5	24.9	44.6	30.1
5/2/2024 14:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.92	197.1	959.3	24.8	45.2	30.1
5/2/2024 15:00	0.1	*<0.10*	*<0.10*	*<0.10*	2.73	197.5	959	24.1	44.6	30.1
5/2/2024 16:00	0.1	*<0.10*	*<0.10*	0.12	2.51	200.6	958.7	23.6	48.2	30
5/2/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.14	2.04	200.1	958.7	22.1	53	30
5/2/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.63	214.5	958.7	19.8	59.9	30
5/2/2024 19:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.05	250.3	959	16.9	70.4	29.9
5/2/2024 20:00	*<0.10*	*<0.10*	*<0.10*	0.1	0.68	256.4	959.4	14.3	78	30
5/2/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.12	0.7	291.2	959.7	13.1	81.4	30
5/3/2024 10:00	0.79	*<0.10*	*<0.10*	0.1	0.94	168.2	961.4	17.7	72.1	23.4
5/3/2024 11:00	0.18	*<0.10*	*<0.10*	0.17	1.18	189.4	960.9	19.8	63	30.1
5/3/2024 12:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.83	190.3	960.2	21.5	58.1	30
5/3/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.1	2.53	192	959.7	21.9	56.4	30
5/3/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.14	2.73	196.9	959.5	21.9	56.3	30
5/3/2024 15:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.4	186.4	959	21.8	56.3	30
5/3/2024 16:00	*<0.10*	*<0.10*	*<0.10*	0.16	2.56	196.6	958.7	20.5	59.7	30
5/3/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.11	2.11	194.1	958.7	19.2	63.7	30
5/3/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.96	194.3	958.7	18.1	65.9	29.9
5/4/2024 11:00	0.21	4.13	*<0.10*	0.2	1.45	194.7	961.5	14.7	81.9	24
5/4/2024 12:00	*<0.10*	*<0.10*	*<0.10*	0.16	2.09	198.6	961.1	16.9	72.1	30.1
5/4/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.1	2.37	196.1	960.8	16.7	70.9	30
5/4/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.1	1.76	181.7	960.7	16.4	70.5	30
5/4/2024 15:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.32	202.5	960.3	16.3	69.7	30
5/4/2024 16:00	--	--	--	--	2.65	202.3	960.4	15.7	71.4	30
5/4/2024 17:00	--	--	--	--	2.58	202.8	960.1	14.4	73.3	30.1
5/4/2024 18:00	--	--	--	--	2.33	186.6	959.5	13.3	76.1	29.9
5/5/2024 8:00	*<0.10*	*<0.10*	8.58	0.2	1.03	136.8	960.9	12.6	62.6	23.5
5/5/2024 9:00	0.19	*<0.10*	*<0.10*	0.1	1.14	137.1	960.9	14.2	55.6	30
5/5/2024 10:00	*<0.10*	*<0.10*	*<0.10*	0.1	1.97	98.4	961.2	14.1	48.8	30
5/5/2024 11:00	0.13	*<0.10*	*<0.10*	0.11	2.93	98.6	961.3	15	42.2	30
5/5/2024 12:00	0.21	*<0.10*	*<0.10*	*<0.10*	2.48	102.9	961.4	15.9	37.7	30
5/5/2024 13:00	0.28	*<0.10*	*<0.10*	*<0.10*	2.24	125.7	961.6	16.8	34	30
5/5/2024 14:00	0.37	*<0.10*	*<0.10*	*<0.10*	2.1	126.3	961.3	17.8	26.8	30
5/5/2024 15:00	0.35	*<0.10*	*<0.10*	*<0.10*	2.17	118.7	961.4	17.1	29.4	30
5/5/2024 16:00	0.41	*<0.10*	*<0.10*	*<0.10*	2.09	140.9	961.5	16.8	30.8	30
5/5/2024 17:00	0.38	*<0.10*	*<0.10*	0.11	1.82	135.2	961.8	16.3	33.3	30
5/5/2024 18:00	0.35	*<0.10*	*<0.10*	*<0.10*	1.27	117.7	962	14.7	36.1	29.9
5/5/2024 19:00	0.38	*<0.10*	*<0.10*	*<0.10*	1.4	294.7	962.4	12.9	39.6	29.9
5/5/2024 20:00	0.33	*<0.10*	*<0.10*	*<0.10*	1.63	136.4	962.9	12	43.5	29.9
5/5/2024 21:00	0.36	*<0.10*	*<0.10*	0.11	1.21	130.5	963.7	11.3	43.5	29.9
5/5/2024 22:00	0.34	*<0.10*	*<0.10*	0.11	1.11	130.6	964	11	43.3	29.9
5/6/2024 7:00	1.13	*<0.10*	*<0.10*	0.11	1.41	93.4	965.1	10.3	50.2	14.3
5/6/2024 8:00	*<0.10*	*<0.10*	*<0.10*	0.14	1.54	106	965	13.3	45.2	28.1
5/6/2024 9:00	0.21	*<0.10*	*<0.10*	0.15	1.5	116.4	964.9	17.4	34.8	30
5/6/2024 10:00	0.28	*<0.10*	*<0.10*	0.14	1.5	117.4	964.5	20.2	27.6	30
5/6/2024 11:00	0.41	*<0.10*	*<0.10*	0.13	1.74	127.6	964.2	22.8	25.6	30
5/6/2024 12:00	0.33	*<0.10*	*<0.10*	*<0.10*	2.01	120.3	963.6	24	24.2	30.1
5/6/2024 13:00	0.27	*<0.10*	*<0.10*	0.12	1.67	151.6	962.9	25.7	22.6	30.1
5/6/2024 14:00	0.34	*<0.10*	*<0.10*	0.1	1.91	183.1	962.4	26.8	23.1	30.1
5/6/2024 15:00	0.28	*<0.10*	*<0.10*	0.1	2.92	193.1	962	25.1	28.8	30.1
5/6/2024 16:00	0.18	*<0.10*	*<0.10*	0.12	2.85	202.2	961.8	23.9	29.8	30
5/6/2024 17:00	0.17	*<0.10*	*<0.10*	*<0.10*	2.44	200.1	961.8	23	30.4	30
5/6/2024 18:00	0.21	*<0.10*	*<0.10*	0.1	1.58	226.4	962	20.6	29.7	30
5/6/2024 19:00	0.13	*<0.10*	*<0.10*	*<0.10*	0.88	272.5	962.4	17.8	36.9	29.9
5/6/2024 20:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.27	300.1	962.6	16.7	41.3	30
5/6/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.15	323.6	962.7	15.1	46.6	29.9
5/6/2024 22:00	0.26	*<0.10*	*<0.10*	0.11	0.84	320.8	962.9	12.9	54.3	29.9
5/6/2024 23:00	0.14	*<0.10*	*<0.10*	0.11	0.97	357.3	963	12.1	58.2	29.9
5/7/2024 0:00	0.11	*<0.10*	*<0.10*	*<0.10*	1.08	351.7	963.1	11.6	57.5	29.9
5/7/2024 1:00	0.1	*<0.10*	*<0.10*	*<0.10*	1.53	36	962.8	11.6	54.7	29.9
5/7/2024 2:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.47	41.2	962.6	10.8	54.5	29.9
5/7/2024 8:00	0.9	*<0.10*	*<0.10*	47.62	0.74	128	961.8	16.3	41	20.6
5/7/2024 9:00	0.39	*<0.10*	*<0.10*	*<0.10*	1.04	177.2	961.5	20.8	34.1	30.1

5/7/2024 10:00	0.55	0.1	*<0.10*	*<0.10*	1.76	195.1	961.3	23.5	29.2	30.1
5/7/2024 11:00	0.53	0.1	*<0.10*	*<0.10*	2	191.3	961	24.5	29.7	30.1
5/7/2024 12:00	0.22	*<0.10*	*<0.10*	*<0.10*	2.41	190.7	960.6	25.3	31.1	30.1
5/7/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.15	2.46	191.9	960	25.8	34	30.1
5/7/2024 14:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.7	194.5	959.5	25.3	37.4	30.1
5/7/2024 15:00	0.1	*<0.10*	*<0.10*	0.11	2.51	192.8	958.9	24.8	37.6	30.1
5/7/2024 16:00	0.13	*<0.10*	*<0.10*	*<0.10*	2.26	194.9	958.6	24.1	38.9	30
5/7/2024 17:00	0.14	*<0.10*	*<0.10*	*<0.10*	2.1	195.1	958.6	22.9	42.7	30
5/7/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.31	210.9	958.6	20.2	49	30
5/7/2024 19:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.79	278.9	958.8	17.6	56.5	29.9
5/7/2024 20:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.86	276.4	959	16.1	60.4	30
5/7/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.1	0.81	297.5	959.5	14.2	66.6	30
5/7/2024 22:00	0.2	*<0.10*	*<0.10*	*<0.10*	1.02	303.9	959.5	13.4	69.4	29.9
5/7/2024 23:00	0.31	*<0.10*	*<0.10*	0.13	0.78	314.7	959.5	12.1	73.7	29.9
5/8/2024 0:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.83	304.8	959.5	12	71.2	29.9
5/8/2024 1:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.92	303.4	959.5	12	69.6	29.9
5/8/2024 8:00	1.06	*<0.10*	*<0.10*	0.2	0.84	167.7	960	18	45.3	24.3
5/8/2024 9:00	0.31	*<0.10*	*<0.10*	0.21	2.72	92.3	959.8	21.8	27	30
5/8/2024 10:00	0.18	*<0.10*	*<0.10*	*<0.10*	3.25	95.4	959.8	22.8	21.8	30
5/8/2024 11:00	0.24	*<0.10*	*<0.10*	*<0.10*	2.74	91.8	959.7	24	18.8	30
5/8/2024 12:00	0.29	*<0.10*	*<0.10*	0.1	2.73	99.5	959.2	25.2	17.7	30.1
5/8/2024 13:00	0.27	*<0.10*	*<0.10*	0.14	2.04	104.8	958.6	26	17	30.1
5/8/2024 14:00	0.29	*<0.10*	*<0.10*	*<0.10*	1.78	126.8	958	27.6	16.3	30.1
5/8/2024 15:00	0.22	*<0.10*	*<0.10*	*<0.10*	2.47	185.5	957.3	26.6	35.9	30.1
5/8/2024 16:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.79	198.9	957	23.7	47.2	30.1
5/8/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.11	2.22	197.3	956.9	22.7	48	30
5/8/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.87	227	957.2	20.4	49.7	30
5/8/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.34	261.8	957.7	18.4	57.1	30
5/8/2024 20:00	*<0.10*	*<0.10*	*<0.10*	0.12	1.33	279.9	958.3	17.4	59.5	29.9
5/8/2024 21:00	*<0.10*	*<0.10*	*<0.10*	0.11	0.77	332	959	15.4	68.2	29.9
5/8/2024 22:00	0.16	*<0.10*	*<0.10*	*<0.10*	0.77	340.5	959.8	13.7	76.8	29.9
5/8/2024 23:00	0.3	*<0.10*	*<0.10*	*<0.10*	0.89	350.6	959.9	13.3	77.4	29.9
5/9/2024 0:00	0.1	*<0.10*	*<0.10*	0.1	0.76	341.5	960	12.5	81.2	29.9
5/9/2024 1:00	0.39	*<0.10*	*<0.10*	0.12	0.92	11.9	960.1	12.1	84.2	30
5/9/2024 7:00	--	--	--	--	0.57	157.5	961.5	14.2	65.5	14.4
5/9/2024 8:00	0.82	1.53	*<0.10*	11.26	0.83	144.4	961.8	17	56.9	27.2
5/9/2024 9:00	0.62	0.1	*<0.10*	0.14	1.25	157.9	961.9	21.6	38.8	30
5/9/2024 10:00	0.24	*<0.10*	*<0.10*	*<0.10*	2.75	98.4	961.8	23.8	21.6	30
5/9/2024 11:00	0.25	*<0.10*	*<0.10*	*<0.10*	3.1	91.2	961.5	24.8	18.8	30.1
5/9/2024 12:00	0.22	*<0.10*	*<0.10*	*<0.10*	2.27	107.8	961.2	26.3	20.2	30.1
5/9/2024 13:00	0.28	*<0.10*	*<0.10*	0.1	1.94	113.9	960.7	27.8	16.7	30.1
5/9/2024 14:00	0.31	*<0.10*	*<0.10*	*<0.10*	2.32	188.5	960.5	27.9	26.3	30.1
5/9/2024 15:00	0.11	*<0.10*	*<0.10*	0.12	2.58	193.4	960.3	26	44.1	30.1
5/9/2024 16:00	*<0.10*	*<0.10*	*<0.10*	0.12	2.33	193.4	960.3	24.9	46.2	30.1
5/9/2024 17:00	0.1	*<0.10*	*<0.10*	*<0.10*	1.74	189.1	960.5	23.6	51.4	30
5/9/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.6	205.5	960.9	20.5	60.4	30
5/9/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.18	1.19	242	961.7	17.3	70.2	29.9
5/9/2024 20:00	*<0.10*	*<0.10*	*<0.10*	0.11	0.88	230.8	962.3	14.6	77.8	29.9
5/9/2024 21:00	0.1	*<0.10*	*<0.10*	0.11	0.59	275.1	962.9	12.6	84	29.9
5/9/2024 22:00	0.69	*<0.10*	*<0.10*	0.12	0.61	305.6	963.2	11.5	87.6	29.9
5/9/2024 23:00	0.62	0.19	*<0.10*	0.27	0.64	320.8	963.1	11.5	88	29.9
5/10/2024 0:00	*<0.10*	*<0.10*	*<0.10*	0.16	0.84	329.9	963	11.6	88.9	29.9
5/10/2024 1:00	0.34	*<0.10*	*<0.10*	0.13	0.58	297.7	962.8	10.5	89.7	29.9
5/10/2024 2:00	0.64	*<0.10*	*<0.10*	0.16	0.42	291.1	962.5	9.3	91.9	29.9
5/10/2024 3:00	0.81	*<0.10*	*<0.10*	0.18	0.46	251.7	962.6	9.3	93	29.9
5/10/2024 8:00	12.96	*<0.10*	*<0.10*	22.79	0.88	73.6	963.1	13.2	92	24.3
5/10/2024 9:00	0.23	0.26	*<0.10*	0.28	0.98	171.8	962.8	21.3	49.4	30
5/10/2024 10:00	--	--	--	--	1.15	172.9	962.5	25.1	41.7	30
5/10/2024 11:00	--	--	--	--	1.33	163.4	962.2	28.6	33.8	30
5/10/2024 12:00	--	--	--	--	1.75	173.9	961.7	30.2	32.9	30
5/10/2024 13:00	0.14	*<0.10*	*<0.10*	0.18	2.69	201.3	961.3	27.7	41.3	30.1
5/10/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.1	2.91	204.4	960.8	26	47.5	30.1
5/10/2024 15:00	*<0.10*	*<0.10*	*<0.10*	0.12	2.49	191.8	960.8	24.2	52.5	30.1
5/10/2024 16:00	0.1	*<0.10*	*<0.10*	*<0.10*	2.43	190	960.8	24.1	51.7	30.1
5/10/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.26	186.6	961.4	23.1	55	30
5/10/2024 18:00	0.15	*<0.10*	*<0.10*	0.12	0.81	204.8	961.3	20.9	62.8	30
5/10/2024 19:00	0.22	*<0.10*	*<0.10*	0.16	0.62	263.5	961.3	17.9	71.3	29.9
5/10/2024 20:00	0.12	*<0.10*	*<0.10*	0.11	0.77	243.5	961.6	15	79.5	29.9
5/10/2024 21:00	0.12	*<0.10*	*<0.10*	*<0.10*	0.75	270.6	962	13	85.4	30
5/10/2024 22:00	0.68	*<0.10*	*<0.10*	0.16	0.51	240.9	962.3	11.9	88.3	29.9
5/10/2024 23:00	0.96	0.1	*<0.10*	0.17	0.84	286.1	962.3	11.6	89.8	29.9
5/11/2024 0:00	0.74	0.11	*<0.10*	0.17	0.5	286.8	962.2	10.9	92.3	29.9
5/11/2024 1:00	0.44	*<0.10*	*<0.10*	0.2	0.47	238.1	962.2	9.9	92.3	30
5/11/2024 8:00	0.67	*<0.10*	6.73	0.19	0.73	169.5	962.5	15.9	76.9	22
5/11/2024 9:00	0.39	*<0.10*	*<0.10*	0.15	1.05	137.4	962.2	20.5	52.5	30.1
5/11/2024 10:00	0.52	0.11	*<0.10*	0.16	1.07	176.1	961.8	24.9	40.6	30.1
5/11/2024 11:00	0.82	0.17	*<0.10*	0.17	1.35	170.3	961.4	29.2	36.4	30.1
5/11/2024 12:00	0.54	0.12	*<0.10*	*<0.10*	2.33	186.3	960.9	29	40.9	30.1
5/11/2024 13:00	*<0.10*	*<0.10*	*<0.10*	0.13	2.66	193.9	960.7	28.4	38.9	30.1
5/11/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.15	2.77	198.9	960.3	28.5	33.4	30
5/11/2024 15:00	--	--	--	--	2.56	203	960	28.1	31.4	30
5/12/2024 6:00	--	--	--	--	0.43	38.8	962.5	9.6	95.8	18.8
5/12/2024 7:00	1.14	0.39	*<0.10*	0.19	0.47	142.1	962.8	11.1	95.7	29.3
5/12/2024 8:00	1.58	0.14	*<0.10*	0.17	0.81	174.9	962.9	14.8	85.3	30
5/12/2024 9:00	1.04	0.12	*<0.10*	0.2	1.09	180.2	962.6	19.5	63.8	30
5/12/2024 10:00	0.57	*<0.10*	*<0.10*	0.11	1.2	170.9	962.1	23.4	55.1	30.1
5/12/2024 11:00	0.82	0.13	*<0.10*	0.18	1.63	172.1	961.9	26.8	48.2	30.1
5/12/2024 12:00	0.31	*<0.10*	*<0.10*	0.12	2.3	188.8	961.5	25.5	51	30.1
5/12/2024 13:00	0.12	*<0.10*	*<0.10*	0.1	2.22	196.3	960.9	26.5	48.5	30.1
5/12/2024 14:00	0.13	*<0.10*	*<0.10*	0.13	2.36	203.5	960.4	27.1	45.7	30.1
5/12/2024 15:00	0.22	*<0.10*	*<0.10*	*<0.10*	2.46	197.2	959.9	27.1	47.1	30.1
5/12/2024 16:00	0.23	*<0.10*	*<0.10*	*<0.10*	2.14	188.6	959.6	26.3	48.3	30.1
5/12/2024 17:00	0.2	*<0.10*	*<0.10*	*<0.10*	1.91	186.8	959.5	24.9	50.6	30
5/12/2024 18:00	*<0.10*	*<0.10*	*<0.10*	0.11	1.24	209.2	959.8	21.4	58.5	30

5/12/2024 19:00	*<0.10*	*<0.10*	*<0.10*	0.13	1.18	253.2	960.3	18.3	66.2	30
5/12/2024 20:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.67	259	960.9	16.1	72.6	29.9
5/12/2024 21:00	1.71	0.16	*<0.10*	0.19	0.48	239.5	961.5	13.1	84.5	30
5/12/2024 22:00	1.24	0.2	*<0.10*	0.38	0.48	239.8	961.8	11.7	89.6	29.9
5/12/2024 23:00	2.86	0.39	*<0.10*	0.48	0.66	285.1	961.8	11.7	90.6	30.1
5/13/2024 0:00	--	--	--	--	0.45	308.5	961.8	12.4	87.5	29.7
5/13/2024 1:00	--	--	--	--	0.55	238.8	962.4	11.1	93.1	29.8
5/13/2024 2:00	--	--	--	--	0.51	202.4	962.5	11.5	93.4	29.9
5/13/2024 3:00	--	--	--	--	0.62	263.4	962.3	11.4	93.8	29.8
5/13/2024 6:00	0.28	*<0.10*	*<0.10*	1.78	0.53	275.5	962.8	11.5	96	22.2
5/13/2024 7:00	*<0.10*	*<0.10*	*<0.10*	0.13	0.65	234.7	963.1	11.8	95.1	29.6
5/13/2024 8:00	*<0.10*	*<0.10*	*<0.10*	0.11	0.63	171.9	963.1	12.5	94.9	30
5/13/2024 9:00	0.15	*<0.10*	*<0.10*	*<0.10*	0.86	172.6	963	14.5	87.8	30
5/13/2024 10:00	0.23	*<0.10*	*<0.10*	0.13	1.11	170.3	962.4	19.8	65.5	30
5/13/2024 11:00	0.45	*<0.10*	*<0.10*	*<0.10*	1.43	180.8	962	24.7	53.2	30.1
5/13/2024 12:00	0.41	*<0.10*	*<0.10*	*<0.10*	2.01	190.4	961.7	26.4	49.4	30.1
5/13/2024 13:00	0.11	*<0.10*	*<0.10*	0.1	2.29	188.3	961.5	25.9	49	30.1
5/13/2024 14:00	0.17	*<0.10*	*<0.10*	*<0.10*	2.04	191.7	961.4	26.2	47.2	30
5/13/2024 17:00	0.26	*<0.10*	*<0.10*	*<0.10*	1.91	202.6	960.4	21.6	60.9	30
5/13/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.48	197.7	960.5	20.1	65.5	30
5/13/2024 19:00	--	--	--	--	0.9	231.9	961	17.1	73.7	30
5/13/2024 20:00	--	--	--	--	0.79	230.6	961.4	14.5	81	29.7
5/13/2024 21:00	--	--	--	--	0.8	261.6	961.9	12.8	86.9	29.7
5/13/2024 22:00	*<0.10*	*<0.10*	*<0.10*	0.23	0.65	212.6	962.2	11.7	91	30
5/13/2024 23:00	*<0.10*	*<0.10*	*<0.10*	0.12	0.66	173.3	962.2	12.1	92	30
5/14/2024 0:00	--	--	--	--	0.76	167.5	962.2	12.1	92	29.9
5/14/2024 9:00	29.13	0.1	*<0.10*	0.32	0.85	201.5	961.8	14.3	85	29.1
5/14/2024 10:00	0.1	*<0.10*	*<0.10*	0.2	1.26	163.6	961.5	18.1	70.7	30
5/14/2024 11:00	0.19	*<0.10*	*<0.10*	0.12	1.49	191.4	961.2	21.1	60.8	30.1
5/14/2024 12:00	0.1	*<0.10*	*<0.10*	*<0.10*	1.93	191.1	960.7	22.6	55.1	30
5/14/2024 13:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	2.21	186.3	960.3	23.5	53.5	30.1
5/14/2024 14:00	*<0.10*	*<0.10*	*<0.10*	0.18	2.39	191.4	960.1	23.2	54.7	30.1
5/14/2024 15:00	0.1	*<0.10*	*<0.10*	*<0.10*	2.34	200.6	959.6	23	54.9	30.1
5/14/2024 16:00	0.12	*<0.10*	*<0.10*	*<0.10*	1.92	183.3	959.2	23.4	54.5	30
5/14/2024 17:00	*<0.10*	*<0.10*	*<0.10*	0.15	1.87	200.8	959.2	21.5	58.9	30
5/14/2024 18:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.43	201.8	959.5	18.9	65.5	30
5/14/2024 19:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.28	222.7	960.1	16.5	72.8	29.9
5/14/2024 20:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	1.2	229.3	960.7	14.3	79.5	30
5/14/2024 21:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.63	239.7	961.1	12.7	84.5	30
5/14/2024 22:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.56	232.4	961.5	11.5	88.3	29.9
5/14/2024 23:00	0.29	*<0.10*	*<0.10*	0.1	0.72	232.6	961.4	10.9	90.5	29.9
5/15/2024 0:00	0.12	*<0.10*	*<0.10*	0.12	0.53	214.6	961.3	10.7	92.6	30
5/15/2024 1:00	0.11	*<0.10*	*<0.10*	*<0.10*	0.58	179.5	961.1	11.1	93	30
5/15/2024 2:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.88	194.2	961	11.2	92.5	30
5/15/2024 3:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.65	192.9	961.3	11.2	92.8	30
5/15/2024 4:00	*<0.10*	*<0.10*	*<0.10*	*<0.10*	0.69	194.9	961.4	11.4	92	30

July 19, 2024
File No. 01204123.21

Dr. Muntu Davis, M.D., M.P.H.
Health Officer
Department of Public Health
Environmental Health
5050 Commerce Drive
Baldwin Park, California 91706

Subject: **Monthly Enhanced Air Monitoring Program Data, June 2024, Chiquita Canyon Landfill**

Dear Dr. Davis:

This submittal has been prepared for the Los Angeles County Department of Public Health (DPH), by **SCS Engineers** (SCS) on behalf of Chiquita Canyon, LLC (Chiquita) as part of the monthly reporting recommendation outlined in the August 15, 2023 letter from Chiquita to DPH (Workplan).

In accordance with the Workplan, SCS has prepared this submittal which contains analytical data from both weekly sampling as well as continuous monitoring data from two enhanced monitoring stations (MS-10 micro-GC and MS-12 micro-GC). A description of the data contained in the submittal is provided below.

Weekly Sampling Data

Weekly sampling data includes discrete grab samples at all 12 existing air monitoring stations (MS-01 through MS-12) (see **Figure 1**) for an expanded list of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 15 (TO-15), sulfur compounds via South Coast Air Quality Management District (SCAQMD) Method 307.91, and odor using a Scentroid SS400 Six Station Portable Olfactometer (SS400), which is a method compliant with E679-04. Results for the June 2024 weekly grab samples and odor samples are found in **Attachment A** and **Attachment B** respectively.

In addition, the weekly raw analytical data also includes 24-hour samples at each of the seven off-site monitoring station locations (MS-06 through MS-12). Samples are analyzed for the same constituents as the weekly grab sample analysis. Results for the June 24-hr samples are found in **Attachment C.**

Enhanced Continuous Monitoring Data

In August 2023, SCS installed continuous air monitoring modules at existing stations MS-04 and MS-12. The monitors analyze benzene, toluene, ethylbenzene, and total xylenes (BTEX) as well as total reduced sulfur (TRS). The intent of the new monitor module installation was to evaluate the data to determine whether these modules should be incorporated into the existing air monitoring stations on a permanent basis by comparing the data to laboratory data and trending the data to see how the real-time data correlates with the laboratory data from samples collected at the same time.

The BTEX and TRS units have since been removed from all stations, consistent with the Enhanced Air Monitoring Program Modification Workplan dated January 29, 2024 and submitted to DPH and SCAQMD.

In response to the modified Stipulated Oder for Abatement (SOFA) issued by SCAQMD on January 17, 2024, two micro-GC units were installed at MS-10 and MS-12 by the May 1, 2024 deadline. The continuous air monitoring results are hosted online through the Chiquita Canyon website. A link to the real time, continuous data is found below:

https://chiquitacanyon.com/reports/community-air-monitoring-program/

If you have any questions in regard to this submittal, please contact either of the undersigned at (562) 426-9544.

Sincerely,

Stipe Markotic
Staff Scientist
SCS Engineers

Raymond H. Huff, REPA
Project Director
SCS Engineers

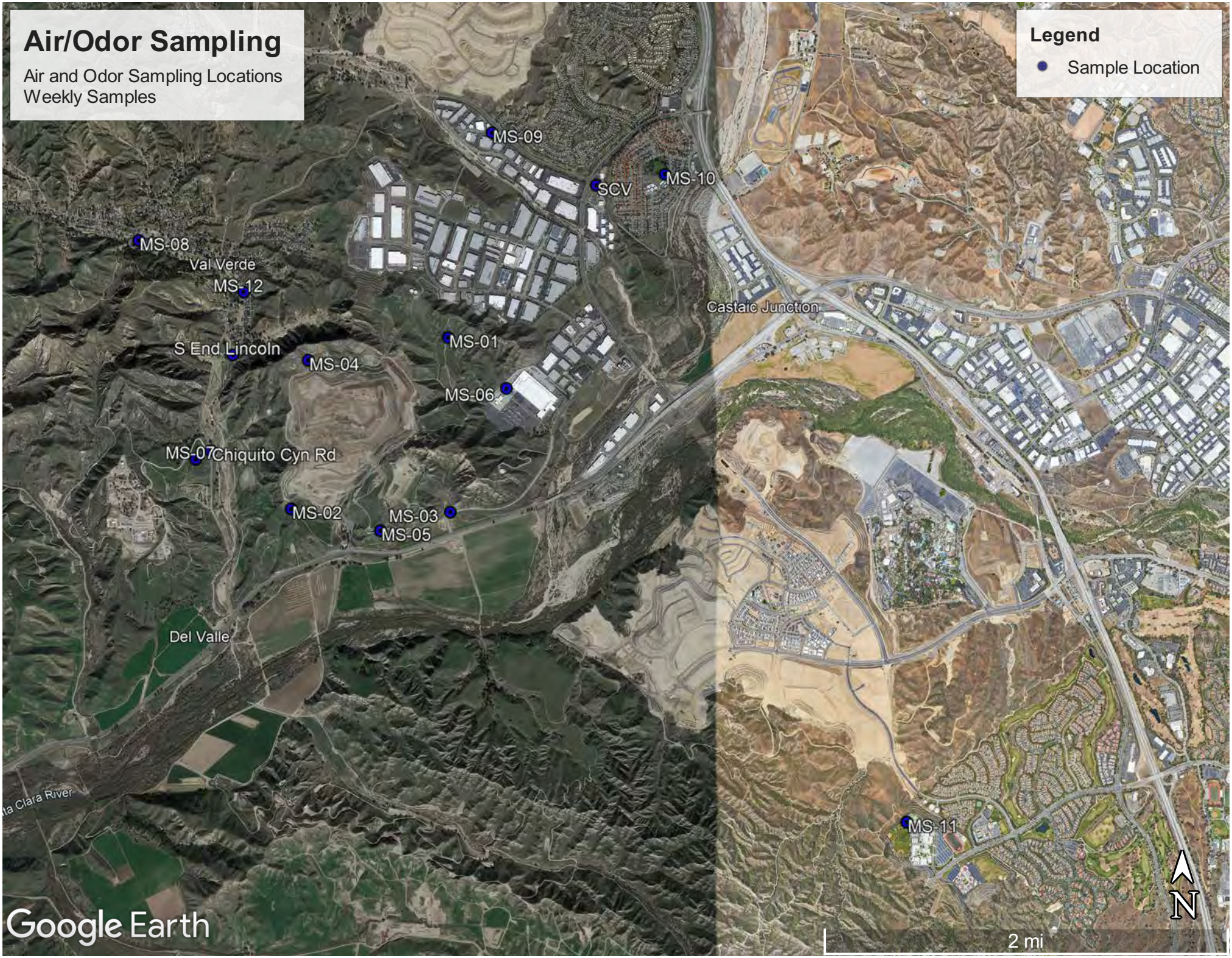
attachments

cc (w/attachments):

Victor Yip (SCAQMD)
Pablo Sanchez-Soria (CTEH)
Edgar De La Torre (LA County Department of Regional Planning)
David Nguyen (PW)
Douglas Cross (Water Resources Control Board)
Shikari Nakagawa-Ota (DPH)
Liza Frias (DPH)
Nichole Quick (DPH)
Joshua Bobrowsky (DPH)
Jacob Kraemer (DPH)
Robert Ragland (DPH)
Blaine McPhillips (County Counsel),
Mark Como (DPH)
Steve Cassulo (CCL)

FIGURE 1

MAP OF AIR MONITORING LOCATIONS


Air/Odor Sampling
Air and Odor Sampling Locations
Weekly Samples
Legend
Sample Location
MS-09
SCV
MS-10
MS-08
Val Verde
MS-12
Castaic Junction
MS-01
S End Lincoln
MS-04
MS-06
MS-07
Chiquito Cyn Rd
MS-02
MS-03
MS-05
Del Valle
MS-11
N
2 mi
Google Earth

ATTACHMENT A

WEEKLY GRAB SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241266
REPORT DATE	: 06/06/2024

On June 3, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241266-59208	705.0	Chiquito Cyn Rd	241266-59217	702.5
MS-07	241266-59209	704.5	MS-01	241266-59218	697.0
MS-08	241266-59210	692.0	MS-02	241266-59219	716.0
MS-09	241266-59211	695.5	MS-03	241266-59220	696.0
MS-10	241266-59212	708.0	MS-04	241266-59221	691.5
MS-11	241266-59213	719.0	MS-05	241266-59222	704.5
MS-12	241266-59214	692.0	Reaction	241266-59223	694.5
SCV	241266-59215	700.5	Working Face	241266-59224	707.0
S End Lincoln	241266-59216	699.0	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 32 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59208				241266-59209				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methanol	8.63		1	7.21	<SRL	U	1	7.25	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethanol	12.1		1	2.89	<SRL	U	1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	4.11		1	2.89	3.26		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59208				241266-59209				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.44				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
BFB-Surrogate Std, % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL)	MS-09			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241266-59210				241266-59211				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	8.35		1	7.33	<SRL	U	1	7.30	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.93	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.93	3.72		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59210				241266-59211				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59212				241266-59213				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.43				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Methanol	8.43		1	7.17	<SRL	U	1	7.07	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Ethanol	3.43		1	2.87	<SRL	U	1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Acetone	4.26		1	2.87	3.03		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59212				241266-59213				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.43				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59214				241266-59215				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	7.80		1	7.34	<SRL	U	1	7.29	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.94	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.30		1	2.94	70.4		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59214				241266-59215				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.47				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59216				241266-59217				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	8.07		1	7.27	<SRL	U	1	7.23	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	2.91	<SRL	U	1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	3.62		1	2.91	3.34		1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59216				241266-59217				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/04/2024				05/04/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59218				241266-59219				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.46				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methanol	8.98		1	7.29	8.89		1	7.08	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethanol	6.69		1	2.92	3.21		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Acetone	3.88		1	2.92	5.11		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.83	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.83	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59218				241266-59219				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.46				1.42				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		91%				88%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59220				241266-59221				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.46				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	8.31		1	7.32	12.8		1	7.34	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	4.29		1	2.93	34.2		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.83		1	2.93	3.89		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	3.64		1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.98		1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59220				241266-59221				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.46				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	1.06		1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	1.28		1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59222				241266-59223				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.44				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.44	1.89		1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.72	0.83		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methanol	8.77		1	7.22	34.5		1	7.32	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethanol	3.05		1	2.89	9.66		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	3.65		1	2.89	6.89		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	2.80		1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.72	4.48		1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.72	3.00		1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59222				241266-59223				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	05/05/2024				05/05/2024				
Can Dilution Factor	1.44				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		92%				90%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59224				
Date Sampled	06/03/2024				
Date Analyzed	05/05/2024				
Can Dilution Factor	1.44				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	0.50
Methanol	8.86		1	7.18	5.00
1,3-Butadiene	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	0.50
Ethanol	9.22		1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	0.50
Acetone	4.01		1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241266
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241266-59224				
Date Sampled	06/03/2024				
Date Analyzed	05/05/2024				
Can Dilution Factor	1.44				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		93%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241266
MATRIX : AIR

DATE RECEIVED : 06/03/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	241266-59208	06/03/2024	05/04/2024	<SRL	U	1.44	1.0	89%
MS-07	241266-59209	06/03/2024	05/04/2024	<SRL	U	1.45	1.0	91%
MS-08	241266-59210	06/03/2024	05/04/2024	<SRL	U	1.47	1.0	91%
MS-09	241266-59211	06/03/2024	05/04/2024	<SRL	U	1.46	1.0	89%
MS-10	241266-59212	06/03/2024	05/04/2024	<SRL	U	1.43	1.0	90%
MS-11	241266-59213	06/03/2024	05/04/2024	<SRL	U	1.41	1.0	89%
MS-12	241266-59214	06/03/2024	05/04/2024	<SRL	U	1.47	1.0	88%
SCV	241266-59215	06/03/2024	05/04/2024	<SRL	U	1.46	1.0	89%
S End Lincoln	241266-59216	06/03/2024	05/04/2024	<SRL	U	1.45	1.0	91%
Chiquito Cyn Rd	241266-59217	06/03/2024	05/04/2024	<SRL	U	1.45	1.0	91%
MS-01	241266-59218	06/03/2024	05/05/2024	<SRL	U	1.46	1.0	91%
MS-02	241266-59219	06/03/2024	05/05/2024	<SRL	U	1.42	1.0	88%
MS-03	241266-59220	06/03/2024	05/05/2024	<SRL	U	1.46	1.0	91%
MS-04	241266-59221	06/03/2024	05/05/2024	<SRL	U	1.47	1.0	89%
MS-05	241266-59222	06/03/2024	05/05/2024	<SRL	U	1.44	1.0	92%
Reaction	241266-59223	06/03/2024	05/05/2024	3.69		1.46	1.0	90%
Working Face	241266-59224	06/03/2024	05/05/2024	<SRL	U	1.44	1.0	93%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.16	97
Chlorodifluoromethane	10.20	11.42	112
Propene	10.70	11.45	107
Dichlorodifluoromethane	10.40	11.17	107
Dimethyl Ether	10.40	11.53	111
Chloromethane	10.50	10.77	103
Dichlorotetrafluoroethane	10.20	9.97	98
Vinyl Chloride	10.60	11.39	107
Acetaldehyde HR	20.40	26.83	132
Methanol	22.30	21.18	95
1,3-Butadiene	10.70	12.37	116
Bromomethane	10.40	10.39	100
Chloroethane	10.40	9.47	91
Dichlorofluoromethane	10.30	10.40	101
Ethanol	11.40	12.47	109
Vinyl Bromide	10.60	9.83	93
Acrolein	10.90	11.73	108
Acetone	10.60	10.84	102
Trichlorofluoromethane	10.50	10.60	101
2-Propanol (IPA)	11.00	12.39	113
Acrylonitrile	10.90	11.31	104
1,1-Dichloroethene	10.50	10.08	96
Methylene Chloride (DCM)	10.40	10.15	98
TertButanol (TBA)	11.20	11.58	103
Allyl Chloride	10.70	10.69	100
Carbon Disulfide	10.50	10.81	103
Trichlorotrifluoroethane	10.30	10.10	98
trans-1,2-Dichloroethene	10.80	10.93	101
1,1-Dichloroethane	10.70	10.98	103
Methyl Tert Butyl Ether (MTBE)	10.70	10.33	97
Vinyl Acetate	11.00	11.68	106
2-Butanone (MEK)	10.70	10.38	97
cis-1,2-Dichloroethene	10.70	10.57	99
Hexane	10.80	10.77	100
Chloroform	10.70	10.78	101
Ethyl Acetate	10.70	11.58	108
Tetrahydrofuran	10.40	10.22	98
1,2-Dichloroethane	10.60	11.14	105
1,1,1-Trichloroethane	10.50	10.37	99
Benzene	10.70	10.56	99
Carbon Tetrachloride	10.30	9.99	97
Cyclohexane	10.50	9.85	94

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.59	99
Bromodichloromethane	10.50	10.00	95
1,4-Dioxane	10.50	9.94	95
Trichloroethene (TCE)	10.50	9.87	94
2,2,4-Trimethylpentane	10.60	10.70	101
Methyl Methacrylate	11.00	10.26	93
Heptane	10.50	10.47	100
cis-1,3-Dichloropropene	10.50	9.71	92
4-Methyl-2-pentanone (MiBK)	10.50	10.65	101
trans-1,3-Dichloropropene	10.60	10.30	97
1,1,2-Trichloroethane	10.60	10.01	94
Toluene	10.80	10.11	94
2-Hexanone (MBK)	10.50	10.99	105
Dibromochloromethane	10.60	9.53	90
1,2-Dibromoethane	10.60	9.96	94
Tetrachloroethene (PCE)	10.50	9.40	90
Chlorobenzene	10.80	9.82	91
Ethylbenzene	10.60	10.12	95
m & p-Xylene	21.20	19.25	91
Bromoform	10.60	9.28	88
Styrene	10.60	10.21	96
1,1,2,2-Tetrachloroethane	10.60	9.63	91
o-Xylene	10.60	10.12	95
1,2,3-Trichloropropane	10.60	10.66	101
Isopropylbenzene (Cumene)	10.60	9.74	92
α-Pinene	10.10	9.76	97
2-Chlorotoluene	10.70	9.98	93
n-Propylbenzene	10.60	9.51	90
4-Ethyltoluene	10.40	9.72	93
1,3,5-Trimethylbenzene	10.30	9.60	93
β-Pinene	10.90	7.63	70
1,2,4-Trimethylbenzene	10.30	9.60	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.41	72
1,3-Dichlorobenzene	10.30	9.85	96
1,4-Dichlorobenzene	10.20	9.66	95
Sec-ButylBenzene	10.70	9.39	88
1,2-Dichlorobenzene	10.40	9.82	94
n-ButylBenzene	10.60	8.80	83
1,2-Dibromo-3-Chloropropane	10.30	8.56	83
1,2,4-Trichlorobenzene	10.50	11.10	106
Naphthalene	10.90	12.69	116
Hexachlorobutadiene	10.80	9.20	85

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.16	9.19	97	98	0.3
1,1-Dichloroethene	0.0	10.50	10.08	10.19	96	97	1.1
Methylene Chloride (DCM)	0.0	10.40	10.15	10.06	98	97	0.9
Benzene	0.0	10.70	10.56	10.48	99	98	0.8
Trichloroethene (TCE)	0.0	10.50	9.87	9.88	94	94	0.1
Toluene	0.0	10.80	10.11	10.29	94	95	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.40	9.40	90	90	0.0
Chlorobenzene	0.0	10.80	9.82	9.88	91	91	0.6
Ethylbenzene	0.0	10.60	10.12	10.27	95	97	1.5
m & p-Xylene	0.0	21.20	19.25	19.46	91	92	1.1
o-Xylene	0.0	10.60	10.12	10.28	95	97	1.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/04/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 060424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	90%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 060424*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/04/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.45

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241266-59217

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.55	8.37	2.1
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	7.06	7.36	4.2
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol J	1.97	2.18	10.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	3.34	3.30	1.3
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.68	103
Chlorodifluoromethane	10.20	11.04	108
Propene	10.70	8.74	82
Dichlorodifluoromethane	10.40	11.21	108
Dimethyl Ether	10.40	10.98	106
Chloromethane	10.50	11.13	106
Dichlorotetrafluoroethane	10.20	10.13	99
Vinyl Chloride	10.60	11.26	106
Acetaldehyde	20.40	23.07	113
Methanol	22.30	20.45	92
1,3-Butadiene	10.70	11.92	111
Bromomethane	10.40	10.30	99
Chloroethane	10.40	9.18	88
Dichlorofluoromethane	10.30	10.29	100
Ethanol	11.40	11.96	105
Vinyl Bromide	10.60	9.99	94
Acrolein	10.90	11.30	104
Acetone	10.60	11.00	104
Trichlorofluoromethane	10.50	10.24	98
2-Propanol (IPA)	11.00	11.99	109
Acrylonitrile	10.90	11.21	103
1,1-Dichloroethene	10.50	10.20	97
Methylene Chloride (DCM)	10.40	10.17	98
TertButanol (TBA)	11.20	11.56	103
Allyl Chloride	10.70	10.49	98
Carbon Disulfide	10.50	10.69	102
Trichlorotrifluoroethane	10.30	9.90	96
trans-1,2-Dichloroethene	10.80	11.07	103
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	9.61	90
Vinyl Acetate	11.00	11.22	102
2-Butanone (MEK)	10.70	10.21	95
cis-1,2-Dichloroethene	10.70	10.77	101
Hexane	10.80	10.60	98
Chloroform	10.70	10.68	100
Ethyl Acetate	10.70	10.92	102
Tetrahydrofuran	10.40	9.89	95
1,2-Dichloroethane	10.60	10.87	103
1,1,1-Trichloroethane	10.50	10.36	99
Benzene	10.70	10.51	98
Carbon Tetrachloride	10.30	9.93	96
Cyclohexane	10.50	9.91	94

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.34	97
Bromodichloromethane	10.50	10.10	96
1,4-Dioxane	10.50	9.68	92
Trichloroethene (TCE)	10.50	10.00	95
2,2,4-Trimethylpentane	10.60	10.55	100
Methyl Methacrylate	11.00	10.04	91
Heptane	10.50	10.45	100
cis-1,3-Dichloropropene	10.50	9.51	91
4-Methyl-2-pentanone (MiBK)	10.50	10.50	100
trans-1,3-Dichloropropene	10.60	9.92	94
1,1,2-Trichloroethane	10.60	9.94	94
Toluene	10.80	10.13	94
2-Hexanone (MBK)	10.50	10.90	104
Dibromochloromethane	10.60	9.43	89
1,2-Dibromoethane	10.60	9.72	92
Tetrachloroethene (PCE)	10.50	9.38	89
Chlorobenzene	10.80	10.17	94
Ethylbenzene	10.60	10.55	100
m & p-Xylene	21.20	19.95	94
Bromoform	10.60	9.68	91
Styrene	10.60	10.52	99
1,1,2,2-Tetrachloroethane	10.60	10.01	94
o-Xylene	10.60	10.47	99
1,2,3-Trichloropropane	10.60	10.90	103
Isopropylbenzene (Cumene)	10.60	10.08	95
α-Pinene	10.10	9.94	98
2-Chlorotoluene	10.70	10.28	96
n-Propylbenzene	10.60	9.83	93
4-Ethyltoluene	10.40	10.06	97
1,3,5-Trimethylbenzene	10.30	9.84	96
β-Pinene LR	10.90	7.08	65
1,2,4-Trimethylbenzene	10.30	10.05	98
Benzyl Chloride (a-Chlorotoluene)	10.30	7.57	73
1,3-Dichlorobenzene	10.30	10.23	99
1,4-Dichlorobenzene	10.20	10.09	99
Sec-ButylBenzene	10.70	9.78	91
1,2-Dichlorobenzene	10.40	10.15	98
n-ButylBenzene	10.60	9.15	86
1,2-Dibromo-3-Chloropropane	10.30	9.09	88
1,2,4-Trichlorobenzene	10.50	11.72	112
Naphthalene	10.90	14.00	128
Hexachlorobutadiene	10.80	9.68	90

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.68	8.92	103	95	8.2
1,1-Dichloroethene	0.0	10.50	10.20	10.76	97	102	5.3
Methylene Chloride (DCM)	0.0	10.40	10.17	10.43	98	100	2.5
Benzene	0.0	10.70	10.51	10.50	98	98	0.1
Trichloroethene (TCE)	0.0	10.50	10.00	9.91	95	94	0.9
Toluene	0.0	10.80	10.13	10.16	94	94	0.3
Tetrachloroethene (PCE)	0.0	10.50	9.38	9.64	89	92	2.7
Chlorobenzene	0.0	10.80	10.17	9.68	94	90	4.9
Ethylbenzene	0.0	10.60	10.55	10.19	100	96	3.5
m & p-Xylene	0.0	21.20	19.95	19.13	94	90	4.2
o-Xylene	0.0	10.60	10.47	10.06	99	95	4.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024 **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 060524*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	87%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 060524*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.44

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241266-59224

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.77	8.53	2.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.86	9.10	2.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	9.22	9.40	2.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	4.01	4.11	2.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK) J	0.78	0.76	1.9
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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241266

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]
Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS					Lab ID
MS-06	59208	6/3/24	1405	Summa 1	X					
MS-07	59209		1228		X					
MS-08	59210		1309		X					
MS-09	59211		1321		X					
MS-10	59212		1343		X					
MS-11	59213		1007		X					
MS-12	59214		1301		X					
SCV	59215		1331		X					
S End Lincoln	59216		1254		X					
Chiquito Cyn Rd	59217		1246		X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Ambient/Chilled
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1536
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

plc - 17f cans

241266

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					Lab ID
MS-01	59218	6/3/24	1139	summa 1	X					
MS-02	59219		1053		X					
MS-03	59220		1417		X					
MS-04	59221		1159		X					
MS-05	59222		1123		X					
Reaction	59223		1208		X					
Working Face	59224		1107		X					

LAB USE ONLY
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned cans:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1530
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS-06	59225	6/3/24	1405	Tedlar 1	X				
MS-07	59226		1228		X				
MS-08	59227		1309		X				
MS-09	59228		1321		X				
MS-10	59229		1343		X				
MS-11	59230		1007		X				
MS-12	59231		1301		X				
SCY	59232		1331		X				
S End Lincoln	59233		1254		X				
Chiquita Cyn Rd	59234	↓	1246		X				

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature: _____ °C
Thermometer ID
Initials
Retrieval Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	**Date** 6/3/24 **Time** 1520	**Received By** Print: Signature:	**Date** 6/3/24 **Time** 1530
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241266

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR
MS-01 59235	~~59234~~	6/3/24	1139	Tedlar 1	X
MS-02 59236	~~59235~~		1053		X
MS-03 59237	~~59236~~		1417		X
MS-04 59238	~~59237~~	6/3/24	1159		X
MS-05 59239	~~59238~~		1123		X
Reaction 59240	59239		1208		X
Working Face 59241	59240		1107		X

LAB USE ONLY
Lab ID
Sample Received via: ☐ FedEx ☐ UPS ☐ Courier ☐ Other
Temperature °C
Thermometer ID
Initials
Received Cont.
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD? ☐ Yes ☐ No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1530
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita [ON / OFF]
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241266
REPORT DATE	: 06/06/2024

On June 3, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241266-59225	Chiquita Cyn Rd	241266-592234
MS-07	241266-59226	MS-01	241266-592235
MS-08	241266-59227	MS-02	241266-592236
MS-09	241266-59228	MS-03	241266-592237
MS-10	241266-59229	MS-04	241266-592238
MS-11	241266-592230	MS-05	241266-592239
MS-12	241266-592231	Reaction	241266-592240
SCV	241266-592232	Working Face	241266-592241
S End Lincoln	241266-592233		

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. 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 10 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241266
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03/2024
RECEIVING DATE : 06/03/2024
ANALYSIS DATE : 06/03-04/2024
REPORT DATE : 06/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241266-59225	241266-59226	241266-59227	241266-59228	241266-59229	241266-592230
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241266
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03/2024
RECEIVING DATE : 06/03/2024
ANALYSIS DATE : 06/03-04/2024
REPORT DATE : 06/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	S End Lincoln	Chiquita Cyn Rd	MS-01	MS-02
AAC ID	241266-592231	241266-592232	241266-592233	241266-592234	241266-592235	241266-592236
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241266
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03/2024
RECEIVING DATE : 06/03/2024
ANALYSIS DATE : 06/03-04/2024
REPORT DATE : 06/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241266-592237	241266-592238	241266-592239	241266-592240	241266-592241
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	**0.013**	< 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	**0.013**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/3/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10617	0.492	96.3	2.7
Duplicate	10935	0.507	99.2	0.2
Triplicate	11195	0.519	101.6	2.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9326	0.503	100.2	0.9
Duplicate	9528	0.514	102.4	1.2
Triplicate	9379	0.506	100.8	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11991	0.498	100.1	2.7
Duplicate	12537	0.520	104.7	1.8
Triplicate	12430	0.516	103.8	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.246	97.1	96.3	0.8
MeSH	<PQL	0.251	0.251	0.265	100.0	105.6	5.4
DMS	<PQL	0.249	0.269	0.270	108.2	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.504	98.6
MeSH	0.502	0.499	99.4
DMS	0.497	0.496	99.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/4/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11180	0.518	101.4	0.0
Duplicate	11445	0.531	103.9	2.4
Triplicate	10904	0.506	98.9	2.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9325	0.503	100.2	1.6
Duplicate	9635	0.520	103.5	1.7
Triplicate	9463	0.510	101.7	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12426	0.516	103.7	0.1
Duplicate	12320	0.511	102.9	0.7
Triplicate	12479	0.518	104.2	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.258	0.255	101.0	99.8	1.2
MeSH	<PQL	0.251	0.257	0.268	102.4	106.8	4.2
DMS	<PQL	0.249	0.270	0.271	108.7	109.1	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.470	92.0
MeSH	0.502	0.489	97.4
DMS	0.497	0.489	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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241266

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: [signature]

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					LAB USE ONLY: Lab ID
MS-06	59208	6/3/24	1405	Summa 1	X					
MS-07	59209		1228		X					
MS-08	59210		1309		X					
MS-09	59211		1321		X					
MS-10	59212		1343		X					
MS-11	59213		1007		X					
MS-12	59214		1301		X					
SCV	59215		1331		X					
S End Lincoln	59216		1259		X					
Chiquito Cyn Rd	59217		1246		X					

LAB USE ONLY
Sample Received via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature: [signature]	Date 6/3/24 Time 1520	**Received By** Print: Signature: [signature]	Date 6/3/24 Time 1536
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

plo - 178 cans

241266

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					LAB USE ONLY: Lab ID
MS-01	59218	6/3/24	1139	Summa 1	X					
MS-02	59219		1053		X					
MS-03	59220		1417		X					
MS-04	59221		1159		X					
MS-05	59222		1123		X					
Reaction	59223		1208		X					
Working Face	59224		1107		X					

LAB USE ONLY
Sample Received via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1530	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	59225	6/3/24	1405	Tedlar 1	X				
MS-07	59226	↓	1228	↓	X				
MS-08	59227		1309		X				
MS-09	59228		1321		X				
MS-10	59229		1343		X				
MS-11	59230		1007		X				
MS-12	59231		1301		X				
SCY	59232		1331		X				
S End Lincoln	59233		1254		X				
Chiquito Cyn Rd	59234	↓	1246	↓	X				

LAB USE ONLY

Lab ID	Sample Received via:
	☐FedEx
	☐UPS
	☐Courier
	☐Other
	Temperature: °C
	Thermometer ID
	Initials
	Returned Empty
	Total Cans:
	Unused Cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1530
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241266

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature: Armando Hurtado

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY: Lab ID
MS-01 59235	59234	6/3/24	1139	Tedlar 1	X					
MS-02 59236	~~59235~~		1053		X					
MS-03 59237	59236	6/3/24	1417		X					
MS-04 59238	~~59237~~		1159		X					
MS-05 59239	59238		1123		X					
Reaction 59240	59239		1208		X					
Working Face 59241	59240		1107		X					

LAB USE ONLY:
- Sample Received via:
- ☐ FedEx
- ☐ UPS
- ☐ Courier
- ☐ Other
- Temperature: °C
- Thermometer ID
- Initials
- Returned Cont:
- Total Cans:
- Unused Cans:
- Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature: Armando Hurtado	Date 6/3/24 Time 1520	**Received By** Print: Signature:	Date 6/3/24 Time 1530
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241332
REPORT DATE	: 06/12/2024

On June 10, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241332-59506	678.0	Chiquito Cyn Rd	241332-59515	687.0
MS-07	241332-59507	691.5	MS-01	241332-59516	743.5
MS-08	241332-59508	691.0	MS-02	241332-59517	708.0
MS-09	241332-59509	642.5	MS-03	241332-59518	685.0
MS-10	241332-59510	683.5	MS-04	241332-59519	682.5
MS-11	241332-59511	695.0	MS-05	241332-59520	699.5
MS-12	241332-59512	680.0	Working Face	241332-59521	669.0
SCV	241332-59513	681.5	Reaction	241332-59522	689.0
S End Lincoln	241332-59514	678.0	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59506				241332-59507				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Chloromethane	0.81		1	0.75	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.50	8.23		1	7.33	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Ethanol	3.56		1	3.00	3.80		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Acetone	4.22		1	3.00	3.70		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	3.00	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59506				241332-59507				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		87%				86%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59508				241332-59509				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.47				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	7.36	13.6		1	7.93	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethanol	<SRL	U	1	2.94	3.52		1	3.17	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Acetone	5.02		1	2.94	10.1		1	3.17	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	3.17	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	3.17	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59508				241332-59509				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.47				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		86%				88%			70-130%

U - Compound was not detected at or above the SRL.

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-11			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241332-59510				241332-59511				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.49				1.46				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methanol	7.55		1	7.43	8.07		1	7.30	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethanol	5.35		1	2.97	3.11		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Acetone	10.7		1	2.97	3.96		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.97	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.97	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59510				241332-59511				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.49				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		87%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59512				241332-59513				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	7.48	<SRL	U	1	7.45	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.99	3.19		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	4.47		1	2.99	9.66		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59512				241332-59513				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59514				241332-59515				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methanol	7.66		1	7.52	<SRL	U	1	7.39	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethanol	4.78		1	3.01	<SRL	U	1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Acetone	4.96		1	3.01	4.27		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.01	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	3.01	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59514				241332-59515				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/11/2024				06/11/2024				
Can Dilution Factor	1.50				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		89%				87%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59516				241332-59517				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.37				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Methanol	10.6		1	6.83	7.94		1	7.44	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Ethanol	5.79		1	2.73	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Acetone	27.0		1	2.73	4.06		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.73	<SRL	U	1	2.97	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	13.0		1	1.37	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.73	<SRL	U	1	2.97	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59516				241332-59517				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.37				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.37	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		86%				87%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59518				241332-59519				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.49				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chloromethane	0.76		1	0.74	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.43	8.37		1	7.43	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethanol	6.24		1	2.97	14.5		1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	4.07		1	2.97	4.67		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.97	<SRL	U	1	2.97	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.97	<SRL	U	1	2.97	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.74	1.89		1	0.74	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59518				241332-59519				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.49				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59520				241332-59521				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.45				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Methanol	8.65		1	7.26	14.2		1	7.59	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	2.90	19.4		1	3.04	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Acetone	3.99		1	2.90	14.4		1	3.04	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.77		1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	3.04	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	3.04	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	3.31		1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59520				241332-59521				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/12/2024				06/12/2024				
Can Dilution Factor	1.45				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		87%				85%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59522				
Date Sampled	06/10/2024				
Date Analyzed	06/12/2024				
Can Dilution Factor	1.48				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	0.50
Propene	8.70		1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	0.50
Chloromethane	0.76		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.74	0.50
Methanol	46.1		1	7.40	5.00
1,3-Butadiene	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	0.50
Ethanol	14.4		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	0.50
Acetone	17.8		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	4.49		1	2.96	2.00
Acrylonitrile	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.96	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	12.2		1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.74	0.50
Tetrahydrofuran	21.8		1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	0.50
Benzene	14.6		1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241332
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241332-59522				
Date Sampled	06/10/2024				
Date Analyzed	06/12/2024				
Can Dilution Factor	1.48				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	1.07		1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	0.50
Toluene	1.89		1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.74	0.50
Ethylbenzene	1.26		1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		91%			70-130%

U - Compound was not detected at or above the SRL.

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241332
MATRIX : AIR

DATE RECEIVED : 06/10/2024
DATE REPORTED : 06/12/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	241332-59506	06/10/2024	06/11/2024	<SRL	U	1.50	1.0	87%
MS-07	241332-59507	06/10/2024	06/11/2024	<SRL	U	1.47	1.0	86%
MS-08	241332-59508	06/10/2024	06/11/2024	<SRL	U	1.47	1.0	86%
MS-09	241332-59509	06/10/2024	06/11/2024	<SRL	U	1.59	1.0	88%
MS-10	241332-59510	06/10/2024	06/11/2024	<SRL	U	1.49	1.0	87%
MS-11	241332-59511	06/10/2024	06/11/2024	<SRL	U	1.46	1.0	90%
MS-12	241332-59512	06/10/2024	06/11/2024	<SRL	U	1.50	1.0	88%
SCV	241332-59513	06/10/2024	06/11/2024	<SRL	U	1.49	1.0	90%
S End Lincoln	241332-59514	06/10/2024	06/11/2024	<SRL	U	1.50	1.0	89%
Chiquito Cyn Rd	241332-59515	06/10/2024	06/11/2024	<SRL	U	1.48	1.0	87%
MS-01	241332-59516	06/10/2024	06/12/2024	<SRL	U	1.37	1.0	86%
MS-02	241332-59517	06/10/2024	06/12/2024	<SRL	U	1.49	1.0	87%
MS-03	241332-59518	06/10/2024	06/12/2024	<SRL	U	1.49	1.0	88%
MS-04	241332-59519	06/10/2024	06/12/2024	<SRL	U	1.49	1.0	87%
MS-05	241332-59520	06/10/2024	06/12/2024	<SRL	U	1.45	1.0	87%
Working Face	241332-59521	06/10/2024	06/12/2024	<SRL	U	1.52	1.0	85%
Reaction	241332-59522	06/10/2024	06/12/2024	6.87		1.48	1.0	91%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%

RL - Reporting Limit

U - Compound was not detected at or above the Sample RL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.15	97
Chlorodifluoromethane	10.20	10.88	107
Propene	10.70	10.59	99
Dichlorodifluoromethane	10.40	11.15	107
Dimethyl Ether	10.40	10.91	105
Chloromethane	10.50	10.19	97
Dichlorotetrafluoroethane	10.20	9.76	96
Vinyl Chloride	10.60	11.19	106
Acetaldehyde	20.40	24.21	119
Methanol	22.30	17.57	79
1,3-Butadiene	10.70	11.61	109
Bromomethane	10.40	10.51	101
Chloroethane	10.40	10.06	97
Dichlorofluoromethane	10.30	11.09	108
Ethanol	11.40	10.90	96
Vinyl Bromide	10.60	10.03	95
Acrolein	10.90	12.25	112
Acetone	10.60	11.00	104
Trichlorofluoromethane	10.50	10.74	102
2-Propanol (IPA)	11.00	11.23	102
Acrylonitrile	10.90	11.44	105
1,1-Dichloroethene	10.50	10.69	102
Methylene Chloride (DCM)	10.40	10.78	104
TertButanol (TBA)	11.20	11.93	107
Allyl Chloride	10.70	10.32	96
Carbon Disulfide	10.50	11.46	109
Trichlorotrifluoroethane	10.30	10.46	102
trans-1,2-Dichloroethene	10.80	11.41	106
1,1-Dichloroethane	10.70	11.38	106
Methyl Tert Butyl Ether (MTBE)	10.70	11.14	104
Vinyl Acetate	11.00	12.12	110
2-Butanone (MEK)	10.70	11.04	103
cis-1,2-Dichloroethene	10.70	10.93	102
Hexane	10.80	11.34	105
Chloroform	10.70	11.05	103
Ethyl Acetate	10.70	11.61	109
Tetrahydrofuran	10.40	10.17	98
1,2-Dichloroethane	10.60	11.52	109
1,1,1-Trichloroethane	10.50	10.75	102
Benzene	10.70	10.79	101
Carbon Tetrachloride	10.30	10.32	100
Cyclohexane	10.50	10.36	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.76	101
Bromodichloromethane	10.50	10.54	100
1,4-Dioxane	10.50	10.08	96
Trichloroethene (TCE)	10.50	9.81	93
2,2,4-Trimethylpentane	10.60	10.61	100
Methyl Methacrylate	11.00	11.35	103
Heptane	10.50	10.79	103
cis-1,3-Dichloropropene	10.50	10.38	99
4-Methyl-2-pentanone (MiBK)	10.50	10.72	102
trans-1,3-Dichloropropene	10.60	10.61	100
1,1,2-Trichloroethane	10.60	9.96	94
Toluene	10.80	10.18	94
2-Hexanone (MBK)	10.50	11.00	105
Dibromochloromethane	10.60	9.72	92
1,2-Dibromoethane	10.60	9.92	94
Tetrachloroethene (PCE)	10.50	9.10	87
Chlorobenzene	10.80	9.87	91
Ethylbenzene	10.60	10.50	99
m & p-Xylene	21.20	19.31	91
Bromoform	10.60	9.52	90
Styrene	10.60	10.28	97
1,1,2,2-Tetrachloroethane	10.60	9.79	92
o-Xylene	10.60	10.35	98
1,2,3-Trichloropropane	10.60	10.51	99
Isopropylbenzene (Cumene)	10.60	9.72	92
α-Pinene	10.10	11.60	115
2-Chlorotoluene	10.70	9.66	90
n-Propylbenzene	10.60	9.32	88
4-Ethyltoluene	10.40	9.43	91
1,3,5-Trimethylbenzene	10.30	9.36	91
β-Pinene	10.90	8.03	74
1,2,4-Trimethylbenzene	10.30	9.25	90
Benzyl Chloride (a-Chlorotoluene)	10.30	7.34	71
1,3-Dichlorobenzene	10.30	9.58	93
1,4-Dichlorobenzene	10.20	9.50	93
Sec-ButylBenzene	10.70	9.16	86
1,2-Dichlorobenzene	10.40	9.51	91
n-ButylBenzene	10.60	8.45	80
1,2-Dibromo-3-Chloropropane	10.30	8.69	84
1,2,4-Trichlorobenzene	10.50	11.27	107
Naphthalene	10.90	13.74	126
Hexachlorobutadiene	10.80	8.51	79

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/11/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.15	8.93	97	95	2.4
1,1-Dichloroethene	0.0	10.50	10.69	10.90	102	104	1.9
Methylene Chloride (DCM)	0.0	10.40	10.78	10.94	104	105	1.5
Benzene	0.0	10.70	10.79	11.03	101	103	2.2
Trichloroethene (TCE)	0.0	10.50	9.81	9.87	93	94	0.6
Toluene	0.0	10.80	10.18	10.59	94	98	3.9
Tetrachloroethene (PCE)	0.0	10.50	9.10	9.56	87	91	4.9
Chlorobenzene	0.0	10.80	9.87	9.73	91	90	1.4
Ethylbenzene	0.0	10.60	10.50	10.57	99	100	0.7
m & p-Xylene	0.0	21.20	19.31	19.36	91	91	0.3
o-Xylene	0.0	10.60	10.35	10.44	98	98	0.9

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/11/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 061124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 061124*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/11/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.48

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241332-59522

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.56	8.34	2.6
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	8.70	8.75	0.5
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	11.4	11.5	0.5
Chloromethane J	0.76	0.73	4.0
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde J	5.09	4.87	4.5
Methanol	46.1	46.3	0.4
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	14.4	14.4	0.1
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	17.8	18.5	3.6
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	4.49	4.52	0.7
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	12.2	12.3	0.6
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	21.8	22.4	2.4
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	14.6	14.6	0.2
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	1.07	0.92	14.9
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	1.89	1.92	1.6
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	1.26	1.24	1.2
m & p-Xylene J	1.26	1.32	4.6
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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241332

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					LAB USE ONLY: Lab ID
MS-06	59506	6/10	1309	Summa 1	X					
MS-07	59507		1156		X					
MS-08	59508		1227		X					
MS-09	59509		1234		X					
MS-10	59510		1254		X					
MS-11	59511		1336		X					
MS-12	59512		1220		X					
SCV	59513		1244		X					
S. End Lincoln	59514		1213		X					
Chiquita Canyon	59515	↓	1206	↓	X					

LAB USE ONLY:
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Blank:
Total Cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10/24 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241332

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					Lab ID
MS-01	59516	6/10	1112	Sum 1	x					
MS-02	59517		1027		x					
MS-03	59518		1319		x					
MS-04	59519		1129		x					
MS-05	59520		1100		x					
Wirking Face	59521		1039		x					
Reaction	59522	↓	1136	↓	x					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chilled
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

AAC COC Rev 3

10-17L cans

Issued 02/04/2021

Page____of____

241332

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					LAB USE ONLY: Lab ID
MS-06	59523	6/10	1309	tedlar	X					
MS-07	59524		1156		X					
MS-08	59525		1227		X					
MS-09	59526		1236		X					
MS-10	59527		1254		X					
MS-11	59528		1336		X					
MS-12	59529		1220		X					
SCV	59530		1244		X					
S-End Winds	59531		1213		X					
Chiquita Canyon	59532	↓	1206	↓	X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chilled
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By	Date	Received By	Date
Print: Armando Hurtado	6/10/24	Print:	6/10/24
Signature:	Time 1535	Signature:	Time 1538
Relinquished By	Date	Received By	Date
Print:		Print:	
Signature:	Time	Signature:	Time

241332

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR					LAB USE ONLY: Lab ID
MS-01	59533	6/6	1112	tedlar 1	x					
MS-02	59534		1027		x					
MS-03	59535		1319		x					
MS-04	59536		1129		x					
MS-05	59537		1100		x					
Working Fail	59538		1039		x					
Duplicate	59539	↓	1138	↓	x					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10/24 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241332
REPORT DATE	: 06/12/2024

On June 10th, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241332-59523	Chiquita Cyn Rd	241332-59532
MS-07	241332-59524	MS-01	241332-59533
MS-08	241332-59525	MS-02	241332-59534
MS-09	241332-59526	MS-03	241332-59535
MS-10	241332-59527	MS-04	241332-59536
MS-11	241332-59528	MS-05	241332-59537
MS-12	241332-59529	Working Face	241332-59538
SCV	241332-59530	Reaction	241332-59539
S. End Lincoln	241332-59531	-	-

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241332
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10/2024
RECEIVING DATE : 06/10/2024
ANALYSIS DATE : 06/11/2024
REPORT DATE : 06/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241332-59523	241332-59524	241332-59525	241332-59526	241332-59527	241332-59528
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.006**	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	**0.006**	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241332
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10/2024
RECEIVING DATE : 06/10/2024
ANALYSIS DATE : 06/10-11/2024
REPORT DATE : 06/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	S. End Lincoln	Chiquita Cyn Rd	MS-01	MS-02
AAC ID	241332-59529	241332-59530	241332-59531	241332-59532	241332-59533	241332-59534
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.006**	**0.026**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.006**	**0.026**

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241132
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10/2024
RECEIVING DATE : 06/10/2024
ANALYSIS DATE : 06/10-11/2024
REPORT DATE : 06/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241332-59535	241332-59536	241332-59537	241332-59538	241332-59539
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.010**	**0.006**	**0.014**	**0.016**
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	**0.014**	< 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	**0.024**	**0.006**	**0.014**	**0.016**

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/10/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11112	0.515	100.8	2.3
Duplicate	10582	0.491	96.0	2.5
Triplicate	10883	0.505	98.7	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9341	0.504	100.4	1.1
Duplicate	9072	0.489	97.5	1.8
Triplicate	9309	0.502	100.0	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12282	0.510	102.5	0.1
Duplicate	12156	0.504	101.5	1.1
Triplicate	12453	0.517	104.0	1.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.234	0.247	91.6	96.7	5.4
MeSH	<PQL	0.251	0.239	0.256	95.2	102.0	6.9
DMS	<PQL	0.249	0.248	0.267	99.8	107.4	7.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.536	104.9
MeSH	0.502	0.544	108.4
DMS	0.497	0.542	109.1

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/11/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11235	0.521	101.9	3.8
Duplicate	10532	0.488	95.6	2.7
Triplicate	10714	0.497	97.2	1.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9295	0.501	99.9	1.5
Duplicate	9136	0.493	98.2	0.2
Triplicate	9034	0.487	97.1	1.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12519	0.519	104.5	1.1
Duplicate	12380	0.514	103.4	0.0
Triplicate	12247	0.508	102.3	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.246	97.8	96.3	1.6
MeSH	<PQL	0.251	0.251	0.251	100.0	100.0	0.0
DMS	<PQL	0.249	0.268	0.263	107.8	105.8	1.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.519	101.6
MeSH	0.502	0.524	104.4
DMS	0.497	0.527	106.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

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CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY Lab ID
MS-06	59523	6/10	1309	tedlar	Y					
MS-07	59524		1156		Y					
MS-08	59525		1227		Y					
MS-09	59526		1236		Y					
MS-10	59527		1254		Y					
MS-11	59528		1336		Y					
MS-12	59529		1220		Y					
SCV	59530		1244		Y					
S End Winds	59531		1243		Y					
Chiquita Canyon	59532	↓	1206	↓	Y					

LAB USE ONLY
Sample Received Via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Equip.:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10/24 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241332

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	595533	6/6	1112	Tedlar 1	Y				
MS-02	595534		1027		Y				
MS-03	595535		1319		Y				
MS-04	595536		1129		Y				
MS-05	595537		1100		Y				
Working Field Blank	595538		1039		Y				
Duplicate	595539		1138		Y				

LAB USE ONLY
Lab ID

Sample Received Via:
- ☐ FedEx
- ☐ UPS
- ☐ Courier
- ☐ Other

Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
- ☐ Yes
- ☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10/24 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241332

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS					LAB USE ONLY: Lab ID
MS-06	59506	6/10	1309	Summa 1	X					
MS-07	59507		1156		X					
MS-08	59508		1227		X					
MS-09	59509		1234		X					
MS-10	59510		1254		X					
MS-11	59511		1336		X					
MS-12	59512		1220		X					
SCV	59513		1244		X					
S. End Lindo	59514		1213		X					
Chiquita Cyn Ext	59515	↓	1200	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Returned Empt:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10/24 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241332

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS					LAB USE ONLY Lab ID
MS-01	59516	6/10	1112	Summa 1	X					
MS-02	59517		1027		X					
MS-03	59518		1319		X					
MS-04	59519		1129		X					
MS-05	59520		1100		X					
Working Face	59521		1039		X					
Reaction	59522	↓	1136	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID:
Initials:
Returned Cont:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/10 Time 1535	**Received By** Print: Signature:	Date 6/10/24 Time 1538	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

10-17L cans

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 241417
REPORT DATE : 06/19/2024

On June 17, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-01	241417-59933	699.0	MS-08	241417-59942	699.5
MS-02	241417-59934	708.5	MS-09	241417-59943	703.5
MS-03	241417-59935	713.5	MS-10	241417-59944	698.0
MS-04	241417-59936	687.5	MS-11	241417-59945	720.5
MS-05	241417-59937	702.0	MS-12	241417-59946	697.0
Reaction	241417-59938	690.5	SCV	241417-59947	700.5
Working Face	241417-59939	702.0	Chiquito Cyn Rd	241417-59948	697.0
MS-06	241417-59940	705.5	S End Lincoln	241417-59949	697.5
MS-07	241417-59941	699.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59933				241417-59934				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.46				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.29	10.5		1	7.22	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethanol	3.35		1	2.92	<SRL	U	1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	3.19		1	2.92	<SRL	U	1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.89	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.89	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59933				241417-59934				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.46				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		97%				91%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59935				241417-59936				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.44				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methanol	10.9		1	7.21	15.2		1	7.49	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.88	5.74		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	2.88	3.29		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.99	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.99	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59935				241417-59936				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.44				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		92%				92%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59937				241417-59938				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.45				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.45	18.6		1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Methanol	8.16		1	7.27	198		1	7.50	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Ethanol	<SRL	U	1	2.91	55.0		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	2.91	47.1		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	15.4		1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	37.0		1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.73	1.21		1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.73	63.1		1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.73	39.0		1	0.75	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59937				241417-59938				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.45				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	2.76		1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.73	4.80		1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.73	3.30		1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.45	3.01		1	1.50	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.73	1.38		1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	1.14		1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		89%				92%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59939				241417-59940				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.74		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	9.72		1	7.26	<SRL	U	1	7.26	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	6.57		1	2.91	<SRL	U	1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.91	<SRL	U	1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59939				241417-59940				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.45				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		89%				92%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59941				241417-59942				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.46				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.29	<SRL	U	1	7.31	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethanol	3.30		1	2.92	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.41		1	2.92	4.44		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-08			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241417-59941				241417-59942				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/18/2024				06/18/2024				
Can Dilution Factor	1.46				1.46				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		90%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59943				241417-59944				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.73	0.74		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.27	8.36		1	7.36	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethanol	3.05		1	2.91	5.55		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	6.06		1	2.91	3.08		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59943				241417-59944				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.45				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		91%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59945				241417-59946				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.42				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methanol	7.47		1	7.11	8.70		1	7.32	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.84	2.97		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.84	3.09		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.93	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.84	<SRL	U	1	2.93	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59945				241417-59946				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.42				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		92%				90%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59947				241417-59948				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.45				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.26	<SRL	U	1	7.38	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethanol	4.40		1	2.90	3.08		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	5.82		1	2.90	3.00		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59947				241417-59948				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.45				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.45	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		89%				90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59949				
Date Sampled	06/17/2024				
Date Analyzed	06/19/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.28	5.00
1,3-Butadiene	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241417
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241417-59949				
Date Sampled	06/17/2024				
Date Analyzed	06/19/2024				
Can Dilution Factor	1.46				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241417
MATRIX : AIR

DATE RECEIVED : 06/17/2024
DATE REPORTED : 06/19/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-01	241417-59933	06/17/2024	06/18/2024	<SRL	U	1.46	1.0	97%
MS-02	241417-59934	06/17/2024	06/18/2024	<SRL	U	1.44	1.0	91%
MS-03	241417-59935	06/17/2024	06/18/2024	<SRL	U	1.44	1.0	92%
MS-04	241417-59936	06/17/2024	06/18/2024	<SRL	U	1.50	1.0	92%
MS-05	241417-59937	06/17/2024	06/18/2024	<SRL	U	1.45	1.0	89%
Reaction	241417-59938	06/17/2024	06/18/2024	21.3		1.50	1.0	92%
Working Face	241417-59939	06/17/2024	06/18/2024	<SRL	U	1.45	1.0	93%
MS-06	241417-59940	06/17/2024	06/18/2024	<SRL	U	1.45	1.0	92%
MS-07	241417-59941	06/17/2024	06/18/2024	<SRL	U	1.46	1.0	90%
MS-08	241417-59942	06/17/2024	06/18/2024	<SRL	U	1.46	1.0	89%
MS-09	241417-59943	06/17/2024	06/19/2024	<SRL	U	1.45	1.0	91%
MS-10	241417-59944	06/17/2024	06/19/2024	<SRL	U	1.47	1.0	91%
MS-11	241417-59945	06/17/2024	06/19/2024	<SRL	U	1.42	1.0	92%
MS-12	241417-59946	06/17/2024	06/19/2024	<SRL	U	1.46	1.0	90%
SCV	241417-59947	06/17/2024	06/19/2024	<SRL	U	1.45	1.0	89%
Chiquito Cyn Rd	241417-59948	06/17/2024	06/19/2024	<SRL	U	1.48	1.0	90%
S End Lincoln	241417-59949	06/17/2024	06/19/2024	<SRL	U	1.46	1.0	89%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%

RL - Reporting Limit

U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.11	97
Chlorodifluoromethane	10.20	10.98	108
Propene	10.70	10.68	100
Dichlorodifluoromethane	10.40	11.41	110
Dimethyl Ether	10.40	10.57	102
Chloromethane	10.50	10.34	98
Dichlorotetrafluoroethane	10.20	10.22	100
Vinyl Chloride	10.60	11.31	107
Acetaldehyde	20.40	22.78	112
Methanol	22.30	18.71	84
1,3-Butadiene	10.70	11.16	104
Bromomethane	10.40	10.37	100
Chloroethane	10.40	9.45	91
Dichlorofluoromethane	10.30	10.64	103
Ethanol	11.40	11.46	101
Vinyl Bromide	10.60	9.86	93
Acrolein	10.90	11.56	106
Acetone	10.60	10.52	99
Trichlorofluoromethane	10.50	10.61	101
2-Propanol (IPA)	11.00	11.46	104
Acrylonitrile	10.90	11.01	101
1,1-Dichloroethene	10.50	10.13	96
Methylene Chloride (DCM)	10.40	10.36	100
TertButanol (TBA)	11.20	11.36	101
Allyl Chloride	10.70	10.52	98
Carbon Disulfide	10.50	11.62	111
Trichlorotrifluoroethane	10.30	10.24	99
trans-1,2-Dichloroethene	10.80	11.24	104
1,1-Dichloroethane	10.70	11.03	103
Methyl Tert Butyl Ether (MTBE)	10.70	10.37	97
Vinyl Acetate	11.00	11.51	105
2-Butanone (MEK)	10.70	10.78	101
cis-1,2-Dichloroethene	10.70	10.88	102
Hexane	10.80	10.25	95
Chloroform	10.70	10.87	102
Ethyl Acetate	10.70	10.81	101
Tetrahydrofuran	10.40	10.13	97
1,2-Dichloroethane	10.60	11.05	104
1,1,1-Trichloroethane	10.50	10.56	101
Benzene	10.70	10.69	100
Carbon Tetrachloride	10.30	10.35	100
Cyclohexane	10.50	10.49	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.61	99
Bromodichloromethane	10.50	10.62	101
1,4-Dioxane	10.50	10.16	97
Trichloroethene (TCE)	10.50	9.78	93
2,2,4-Trimethylpentane	10.60	10.45	99
Methyl Methacrylate	11.00	10.97	100
Heptane	10.50	10.76	102
cis-1,3-Dichloropropene	10.50	10.36	99
4-Methyl-2-pentanone (MiBK)	10.50	10.50	100
trans-1,3-Dichloropropene	10.60	10.63	100
1,1,2-Trichloroethane	10.60	10.09	95
Toluene	10.80	10.18	94
2-Hexanone (MBK)	10.50	10.73	102
Dibromochloromethane	10.60	10.14	96
1,2-Dibromoethane	10.60	10.03	95
Tetrachloroethene (PCE)	10.50	9.34	89
Chlorobenzene	10.80	9.71	90
Ethylbenzene	10.60	10.24	97
m & p-Xylene	21.20	19.00	90
Bromoform	10.60	9.83	93
Styrene	10.60	10.19	96
1,1,2,2-Tetrachloroethane	10.60	9.70	92
o-Xylene	10.60	10.16	96
1,2,3-Trichloropropane	10.60	10.34	98
Isopropylbenzene (Cumene)	10.60	9.68	91
α-Pinene	10.10	9.75	97
2-Chlorotoluene	10.70	9.67	90
n-Propylbenzene	10.60	9.22	87
4-Ethyltoluene	10.40	9.43	91
1,3,5-Trimethylbenzene	10.30	9.40	91
β-Pinene LR	10.90	7.33	67
1,2,4-Trimethylbenzene	10.30	9.48	92
Benzyl Chloride (a-Chlorotoluene)	10.30	7.42	72
1,3-Dichlorobenzene	10.30	9.42	91
1,4-Dichlorobenzene	10.20	9.31	91
Sec-ButylBenzene	10.70	9.20	86
1,2-Dichlorobenzene	10.40	9.42	91
n-ButylBenzene	10.60	8.45	80
1,2-Dibromo-3-Chloropropane	10.30	8.63	84
1,2,4-Trichlorobenzene	10.50	10.12	96
Naphthalene	10.90	12.34	113
Hexachlorobutadiene	10.80	8.64	80

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.11	9.22	97	98	1.2
1,1-Dichloroethene	0.0	10.50	10.13	10.33	96	98	2.0
Methylene Chloride (DCM)	0.0	10.40	10.36	10.28	100	99	0.8
Benzene	0.0	10.70	10.69	10.52	100	98	1.6
Trichloroethene (TCE)	0.0	10.50	9.78	9.64	93	92	1.4
Toluene	0.0	10.80	10.18	10.15	94	94	0.3
Tetrachloroethene (PCE)	0.0	10.50	9.34	9.31	89	89	0.3
Chlorobenzene	0.0	10.80	9.71	9.69	90	90	0.2
Ethylbenzene	0.0	10.60	10.24	10.24	97	97	0.0
m & p-Xylene	0.0	21.20	19.00	19.03	90	90	0.2
o-Xylene	0.0	10.60	10.16	10.22	96	96	0.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/18/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : High Purity He or N_2 | **ANALYST : DL**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 061824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	93%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 061824*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/18/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.5

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241417-59938

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.65	8.74	1.0
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	18.6	19.2	2.9
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	29.4	30.0	2.1
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	12.3	12.5	1.6
Methanol	198	202	1.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	55.0	57.5	4.4
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	47.1	48.5	2.7
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	15.4	15.7	1.6
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	37.0	39.0	5.1
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	1.21	1.27	4.8
Tetrahydrofuran	63.1	66.2	4.9
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	39.0	39.8	1.9
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	2.76	2.74	0.5
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	4.80	4.84	0.9
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	3.30	3.45	4.4
m & p-Xylene	3.01	3.19	5.8
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	1.38	1.41	2.2
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	1.17	1.21	3.8
α-Pinene	2.31	2.26	2.0
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	1.14	1.15	1.3
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

241417

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS
MS-01	59933	6/17	1247	summa 1	X
MS-02	59934		1204		X
MS-03	59935		1506		X
MS-04	59936		1309		X
MS-05	59937		1228		X
Reaction	59938		1314		X
Working Face	59939	↓	1214		X

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature
Thermometer ID
Initials
Returned Client
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/24 Time 1620	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/24 Time 1616

2411417

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS					Lab ID
MS-06	59940	6/17	1452	5 summa 1	X					
MS-07	59941		1332		X					
MS-08	59942		1401		X					
MS-09	59943		1412		X					
MS-10	59944		1432		X					
MS-11	59945		1054		X					
MS-12	59946		1354		X					
SCV	59947		1421		X					
Chiquita Cyn Rd	59948		1340		X					
S End Lincoln	59949		1348		X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Chart
Total cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	**Date** 6/17/24 **Time** 1620	**Received By** Print: Signature:	**Date** **Time**
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** 6/17/24 **Time** 1616

241417

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	59950	6/17	1247	Tedlar 1	X				
MS-02	59951		1204		X				
MS-03	59952		1506		X				
MS-04	59953		1304		X				
MS-05	59954		1228		X				
Reaction	59955		1314		X				
Working Face	59956	↓	1214	↓	X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ Fedex
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Returned Cont.
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/24 Time 1620	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/24 Time 1616	

241417

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
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☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: 307.91 SULFUR				
MS-06	59957	6/17	1452	Tedlar 1	X				
MS-07	59958		1332		X				
MS-08	59959		1401		X				
MS-09	59960		1412		X				
MS-10	59961		1432		X				
MS-11	59962		1054		X				
MS-12	59963		1354		X				
SCV	59964		1421		X				
Chiquito Cyn Rd	59965		1340		X				
S End Lincoln	59966	↓	1348	↓	X				

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature °C
Thermometer ID
Initials
Received Chilled
Total Containers
Unused Containers
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/24 Time 1620	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/24 Time 1616

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241417
REPORT DATE	: 06/19/2024

On June 17th, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-01	241417-59950	MS-08	241417-59959
MS-02	241417-59951	MS-09	241417-59960
MS-03	241417-59952	MS-10	241417-59961
MS-04	241417-59953	MS-11	241417-59962
MS-05	241417-59954	MS-12	241417-59963
Reaction	241417-59955	SCV	241417-59964
Working Face	241417-59956	Chiquita Cyn Rd	241417-59965
MS-06	241417-59957	S. End Lincoln	241417-59966
MS-07	241417-59958		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241417
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 6/17/24
RECEIVING DATE : 6/17/2024
ANALYSIS DATE : 6/17-18/2024
REPORT DATE : 6/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-01	MS-02	MS-03	MS-04	MS-05	Reaction
AAC ID	241417-59950	241417-59951	241417-59952	241417-59953	241417-59954	241417-59955
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.008**	< 0.005	**0.005**	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	**0.014**	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.011**
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	**0.028**	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	**0.006**	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	**0.056**	< 0.005	**0.005**	< 0.005	**0.011**

All unidentified compound's concentrations expressed in terms of H_2S

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Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241417
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 6/17/24
RECEIVING DATE : 6/17/2024
ANALYSIS DATE : 6/17-18/2024
REPORT DATE : 6/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Working Face	MS-06	MS-07	MS-08	MS-09	MS-10
AAC ID	241417-59956	241417-59957	241417-59958	241417-59959	241417-59960	241417-59961
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.005**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	**0.007**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.012**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241417
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 6/17/24
RECEIVING DATE : 6/17/2024
ANALYSIS DATE : 6/17-18/2024
REPORT DATE : 6/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-11	MS-12	SCV	Chiquita Cyn Rd	S. End Lincoln
AAC ID	241417-59962	241417-59963	241417-59964	241417-59965	241417-59966
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/17/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10575	0.490	96.0	3.3
Duplicate	11283	0.523	102.4	3.2
Triplicate	10939	0.507	99.3	0.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9015	0.486	96.9	3.4
Duplicate	9529	0.514	102.4	2.2
Triplicate	9439	0.509	101.4	1.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12213	0.507	102.0	1.6
Duplicate	12542	0.520	104.7	1.1
Triplicate	12464	0.517	104.1	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.276	0.257	108.0	100.6	7.1
MeSH	<PQL	0.251	0.272	0.265	108.4	105.6	2.6
DMS	<PQL	0.249	0.271	0.270	109.1	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.538	105.3
MeSH	0.502	0.549	109.4
DMS	0.497	0.543	109.3

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/18/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11152	0.517	101.2	2.0
Duplicate	10741	0.498	97.5	1.8
Triplicate	10911	0.506	99.0	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9339	0.504	100.4	0.0
Duplicate	9337	0.504	100.3	0.1
Triplicate	9351	0.504	100.5	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12569	0.522	104.9	0.4
Duplicate	12480	0.518	104.2	0.3
Triplicate	12507	0.519	104.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.240	0.248	93.9	97.1	3.3
MeSH	<PQL	0.251	0.247	0.257	98.4	102.4	4.0
DMS	<PQL	0.249	0.266	0.267	107.0	107.4	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.535	104.7
MeSH	0.502	0.534	106.4
DMS	0.497	0.537	108.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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241417

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h
- ☐ Same Day
- ☐ Rush 48 h
- ☐ 5 Days
- ☒ Rush 72 h
- ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS
MS-01	59933	6/17	1247	Summa 1	X
MS-02	59934	↓	1204	↓	X
MS-03	59935		1506		X
MS-04	59936		1309		X
MS-05	59937		1223		X
Reaction	59938		1314		X
Working Face	59939	↓	1214	↓	X

LAB USE ONLY

Lab ID	
Sample Received via:	☐ FedEx ☐ UPS ☐ Courier ☐ Other
Temperature:	°C
Thermometer ID	
Initials	
Returned Equip.	
Total cans:	
Unused cans:	
Flow Controllers:	

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/24 Time 1620	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/24 Time 1616

241417

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +4 OMS					LAB USE ONLY: Lab ID
MS-06	59940	6/17	1452	SCANNER 1	X					
MS-07	59941		1332		X					
MS-08	59942		1401		X					
MS-09	59943		1412		X					
MS-10	59944		1432		X					
MS-11	59945		1054		X					
MS-12	59946		1354		X					
SCV	59947		1421		X					
Chiquita Can Lab	59948		1340		X					
3 End Blanks	59949		1348		X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID
Initials
Returned Cont:
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By	Date	Received By	Date
Print: Armando Hurtado	6/17/24	Print:	
Signature:	Time 1620	Signature:	Time
Relinquished By	**Date**	**Received By**	**Date** 6/17/24
Print:		Print:	
Signature:	Time	Signature:	Time 1616

241417

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) / OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS 01	59950	6/17	1247	Tedlar 1	X				
MS-02	59951	↓	1204	↓	X				
MS-03	59952		1506		X				
MS-04	59953		1304		X				
MS 05	59954		1228		X				
Fraction	59955		1314		X				
Working Face	59956	↓	1219	↓	X				

LAB USE ONLY
Lab ID
Sample Received via:
☐FedEx
☐UPS
☐Courier
☐Other
Temperature: °C
Thermometer ID
Initials
Returned Cont.
Total cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/21 Time 1622	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/21 Time 16:16	

241417

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	59957	6/17	1452	Tedlar 1	X				
MS-07	59958		1332		X				
MS-08	59959		1401		X				
MS-09	59960		1412		X				
MS-10	59961		1432		X				
MS-11	59962		1054		X				
MS-12	59963		1354		X				
SCV	59964		1421		X				
Chiquita Cyn Rd	59965		1340		X				
S End Lincoln	59966	↓	1348	↓	X				

LAB USE ONLY

Lab ID	Sample Received Via:
	☐FedEx
	☐UPS
	☐Courier
	☐Other
	Temperature: °C
	Thermometer ID:
	Initials:
	Returned Cont:
	Total cans:
	Unused cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/17/24 Time 1620	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/17/24 Time 1616

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241471
REPORT DATE	: 06/27/2024

On June 24, 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 6.0-Liter Silonite Canisters for Volatile Organic Compounds analysis and Dimethyl Sulfide analysis via Tentatively Identified Compounds (TICs) by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	241471-60167	691.5	S End Lincoln	241471-60176	676.0
MS-07	241471-60168	675.0	MS-01	241471-60177	676.5
MS-08	241471-60169	691.5	MS-02	241471-60178	684.5
MS-09	241471-60170	685.0	MS-03	241471-60179	680.5
MS-10	241471-60171	709.0	MS-04	241471-60180	679.5
MS-11	241471-60172	682.0	MS-05	241471-60181	676.0
MS-12	241471-60173	685.5	Reaction	241471-60182	667.5
SCV	241471-60174	761.0	Working Face	241471-60183	687.0
Chiquito Cyn Rd	241471-60175	685.5	--	--	--

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. 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 28 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60167				241471-60168				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.47				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Methanol	9.20		1	7.37	11.4		1	7.54	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Ethanol	7.85		1	2.95	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	3.61		1	2.95	5.31		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	3.02	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	3.02	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60167				241471-60168				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.47				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		87%				88%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60169				241471-60170				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.46				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methanol	10.9		1	7.32	11.6		1	7.45	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethanol	3.52		1	2.93	3.29		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	6.33		1	2.93	5.20		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60169				241471-60170				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.46				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		88%				87%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60171				241471-60172				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.42				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Methanol	12.8		1	7.09	19.2		1	7.44	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Ethanol	4.84		1	2.84	3.66		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Acetone	4.50		1	2.84	3.27		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.98	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.84	<SRL	U	1	2.98	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60171				241471-60172				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.42				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		85%				86%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60173				241471-60174				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.50				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Methanol	18.0		1	7.51	18.8		1	6.91	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Ethanol	3.95		1	3.00	11.3		1	2.76	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Acetone	4.76		1	3.00	9.06		1	2.76	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	<SRL	U	1	2.76	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Carbon Disulfide	<SRL	U	1	3.00	<SRL	U	1	2.76	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60173				241471-60174				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.50				1.38				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.38	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		86%				88%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60175				241471-60176				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.48				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Methanol	10.2		1	7.41	12.7		1	6.72	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Ethanol	<SRL	U	1	2.96	3.59		1	2.69	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Acetone	3.93		1	2.96	3.76		1	2.69	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<SRL	U	1	2.69	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	2.69	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60175				241471-60176				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.48				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.34	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.67	0.50
BFB-Surrogate Std. % Recovery		86%				86%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60177				241471-60178				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.37				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloromethane	<SRL	U	1	0.68	0.75		1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methanol	14.3		1	6.84	12.7		1	6.70	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Ethanol	5.38		1	2.74	4.66		1	2.68	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Acetone	3.75		1	2.74	5.21		1	2.68	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	<SRL	U	1	2.74	<SRL	U	1	2.68	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.74	<SRL	U	1	2.68	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60177				241471-60178				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.37				1.34				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
m & p-Xylene	<SRL	U	1	1.37	<SRL	U	1	1.34	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60179				241471-60180				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.35				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Dichlorodifluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Methanol	9.06		1	6.74	16.4		1	6.78	5.00
1,3-Butadiene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Ethanol	4.14		1	2.70	18.1		1	2.71	2.00
Vinyl Bromide	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Acetone	3.65		1	2.70	6.70		1	2.71	2.00
Trichlorofluoromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	2.70	<SRL	U	1	2.71	2.00
Acrylonitrile	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Allyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Carbon Disulfide	<SRL	U	1	2.70	<SRL	U	1	2.71	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.67	1.56		1	0.68	0.50
Chloroform	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60179				241471-60180				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.35				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Trichloroethene (TCE)	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Dibromochloromethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.36	1.00
Bromoform	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.67	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		87%				86%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60181				241471-60182				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.37				1.37				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Propene	<SRL	U	1	1.37	44.0		1	1.37	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Methanol	12.0		1	6.86	286		1	6.87	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Ethanol	4.16		1	2.74	83.0		1	2.75	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Acetone	4.07		1	2.74	96.7		1	2.75	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.74	28.1		1	2.75	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.37	<SRL	U	1	1.37	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.37	1.00
Carbon Disulfide	<SRL	U	1	2.74	<SRL	U	1	2.75	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	80.6		1	1.37	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Hexane	<SRL	U	1	0.69	0.89		1	0.69	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.69	2.03		1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.69	140		1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.69	90.5		1	0.69	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60181				241471-60182				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/26/2024				06/26/2024				
Can Dilution Factor	1.37				1.37				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.69	0.74		1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.37	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.69	1.11		1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	5.69		1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.69	10.9		1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.37	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.69	7.07		1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.37	6.73		1	1.37	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.69	2.99		1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.69	2.07		1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	0.80		1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	2.56		1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		87%				93%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60183				
Date Sampled	06/24/2024				
Date Analyzed	06/26/2024				
Can Dilution Factor	1.36				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.36	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.68	0.50
Methanol	31.0		1	6.78	5.00
1,3-Butadiene	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	0.50
Ethanol	196		10	27.1	2.00
Vinyl Bromide	<SRL	U	1	0.68	0.50
Acetone	14.7		1	2.71	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	11.1		1	2.71	2.00
Acrylonitrile	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.36	1.00
Allyl Chloride	<SRL	U	1	1.36	1.00
Carbon Disulfide	<SRL	U	1	2.71	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.36	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.68	0.50
Ethyl Acetate	2.70		1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.68	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241471
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241471-60183				
Date Sampled	06/24/2024				
Date Analyzed	06/26/2024				
Can Dilution Factor	1.36				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	0.50
Cyclohexane	0.99		1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.36	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	0.50
Toluene	0.85		1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.36	1.00
Dibromochloromethane	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.36	1.00
Bromoform	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241471
MATRIX : AIR

DATE RECEIVED : 06/24/2024
DATE REPORTED : 06/27/2024
ANALYST : DL/CH

Client Sample ID	AAC Sample ID	Sampling Date	Analysis Date	Dimethylsulfide ppb (v/v)	Qualifier	Canister Dilution Factor	Analysis Dilution Factor	BFB-Surrogate Std. % Recovery*
MS-06	241471-60167	06/24/2024	06/26/2024	<SRL	U	1.47	1.0	87%
MS-07	241471-60168	06/24/2024	06/26/2024	<SRL	U	1.51	1.0	88%
MS-08	241471-60169	06/24/2024	06/26/2024	<SRL	U	1.46	1.0	88%
MS-09	241471-60170	06/24/2024	06/26/2024	<SRL	U	1.49	1.0	87%
MS-10	241471-60171	06/24/2024	06/26/2024	<SRL	U	1.42	1.0	85%
MS-11	241471-60172	06/24/2024	06/26/2024	<SRL	U	1.49	1.0	86%
MS-12	241471-60173	06/24/2024	06/26/2024	<SRL	U	1.50	1.0	86%
SCV	241471-60174	06/24/2024	06/26/2024	<SRL	U	1.38	1.0	88%
Chiquito Cyn Rd	241471-60175	06/24/2024	06/26/2024	<SRL	U	1.48	1.0	86%
S End Lincoln	241471-60176	06/24/2024	06/26/2024	<SRL	U	1.34	1.0	86%
MS-01	241471-60177	06/24/2024	06/26/2024	<SRL	U	1.37	1.0	88%
MS-02	241471-60178	06/24/2024	06/26/2024	<SRL	U	1.34	1.0	89%
MS-03	241471-60179	06/24/2024	06/26/2024	<SRL	U	1.35	1.0	87%
MS-04	241471-60180	06/24/2024	06/26/2024	<SRL	U	1.36	1.0	86%
MS-05	241471-60181	06/24/2024	06/26/2024	<SRL	U	1.37	1.0	87%
Reaction	241471-60182	06/24/2024	06/26/2024	38.4		1.37	1.0	93%
Working Face	241471-60183	06/24/2024	06/26/2024	<SRL	U	1.36	1.0	90%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%
RL - Reporting Limit
U - Compound was not detected at or above the Sample RL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.20	98
Chlorodifluoromethane	10.20	10.96	107
Propene	10.70	11.37	106
Dichlorodifluoromethane	10.40	11.25	108
Dimethyl Ether	10.40	10.69	103
Chloromethane	10.50	10.90	104
Dichlorotetrafluoroethane	10.20	9.99	98
Vinyl Chloride	10.60	11.15	105
Acetaldehyde	20.40	23.86	117
Methanol	22.30	19.80	89
1,3-Butadiene	10.70	11.91	111
Bromomethane	10.40	10.56	102
Chloroethane	10.40	9.49	91
Dichlorofluoromethane	10.30	10.97	107
Ethanol	11.40	12.24	107
Vinyl Bromide	10.60	10.37	98
Acrolein	10.90	11.63	107
Acetone	10.60	10.71	101
Trichlorofluoromethane	10.50	10.63	101
2-Propanol (IPA)	11.00	11.79	107
Acrylonitrile	10.90	11.30	104
1,1-Dichloroethene	10.50	10.58	101
Methylene Chloride (DCM)	10.40	10.81	104
TertButanol (TBA)	11.20	11.85	106
Allyl Chloride	10.70	10.64	99
Carbon Disulfide	10.50	12.08	115
Trichlorotrifluoroethane	10.30	10.35	100
trans-1,2-Dichloroethene	10.80	11.46	106
1,1-Dichloroethane	10.70	11.38	106
Methyl Tert Butyl Ether (MTBE)	10.70	10.97	103
Vinyl Acetate	11.00	11.73	107
2-Butanone (MEK)	10.70	11.45	107
cis-1,2-Dichloroethene	10.70	10.91	102
Hexane	10.80	10.94	101
Chloroform	10.70	11.19	105
Ethyl Acetate	10.70	11.26	105
Tetrahydrofuran	10.40	10.62	102
1,2-Dichloroethane	10.60	11.48	108
1,1,1-Trichloroethane	10.50	10.96	104
Benzene	10.70	10.97	103
Carbon Tetrachloride	10.30	10.50	102
Cyclohexane	10.50	10.55	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.70	100
Bromodichloromethane	10.50	10.66	102
1,4-Dioxane	10.50	10.28	98
Trichloroethene (TCE)	10.50	9.99	95
2,2,4-Trimethylpentane	10.60	10.70	101
Methyl Methacrylate	11.00	11.03	100
Heptane	10.50	11.02	105
cis-1,3-Dichloropropene	10.50	10.47	100
4-Methyl-2-pentanone (MiBK)	10.50	10.41	99
trans-1,3-Dichloropropene	10.60	10.85	102
1,1,2-Trichloroethane	10.60	10.22	96
Toluene	10.80	10.34	96
2-Hexanone (MBK)	10.50	11.08	106
Dibromochloromethane	10.60	10.12	95
1,2-Dibromoethane	10.60	10.05	95
Tetrachloroethene (PCE)	10.50	9.16	87
Chlorobenzene	10.80	9.98	92
Ethylbenzene	10.60	10.60	100
m & p-Xylene	21.20	19.72	93
Bromoform	10.60	10.07	95
Styrene	10.60	10.42	98
1,1,2,2-Tetrachloroethane	10.60	9.92	94
o-Xylene	10.60	10.56	100
1,2,3-Trichloropropane	10.60	10.68	101
Isopropylbenzene (Cumene)	10.60	9.85	93
α-Pinene	10.10	10.76	107
2-Chlorotoluene	10.70	9.92	93
n-Propylbenzene	10.60	9.48	89
4-Ethyltoluene	10.40	9.61	92
1,3,5-Trimethylbenzene	10.30	9.43	92
β-Pinene LR	10.90	7.21	66
1,2,4-Trimethylbenzene	10.30	9.56	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.44	72
1,3-Dichlorobenzene	10.30	9.38	91
1,4-Dichlorobenzene	10.20	9.42	92
Sec-ButylBenzene	10.70	9.40	88
1,2-Dichlorobenzene	10.40	9.53	92
n-ButylBenzene	10.60	8.67	82
1,2-Dibromo-3-Chloropropane	10.30	8.83	86
1,2,4-Trichlorobenzene	10.50	10.60	101
Naphthalene	10.90	13.11	120
Hexachlorobutadiene	10.80	8.86	82

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.20	9.06	98	96	1.5
1,1-Dichloroethene	0.0	10.50	10.58	11.09	101	106	4.7
Methylene Chloride (DCM)	0.0	10.40	10.81	10.90	104	105	0.8
Benzene	0.0	10.70	10.97	10.77	103	101	1.8
Trichloroethene (TCE)	0.0	10.50	9.99	9.86	95	94	1.3
Toluene	0.0	10.80	10.34	10.35	96	96	0.1
Tetrachloroethene (PCE)	0.0	10.50	9.16	9.45	87	90	3.1
Chlorobenzene	0.0	10.80	9.98	9.67	92	90	3.2
Ethylbenzene	0.0	10.60	10.60	10.33	100	97	2.6
m & p-Xylene	0.0	21.20	19.72	19.20	93	91	2.7
o-Xylene	0.0	10.60	10.56	10.28	100	97	2.7

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/26/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 062624*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	90%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 062624*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/26/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.37

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241471-60182

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.78	8.57	2.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	44.0	43.4	1.5
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	67.7	67.1	0.8
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	25.1	26.5	5.6
Methanol	286	289	1.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	83.0	82.7	0.3
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	96.7	98.1	1.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	28.1	28.0	0.5
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	3.64	3.49	4.2
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	80.6	81.3	0.9
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	0.89	0.81	9.7
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	2.03	1.92	5.6
Tetrahydrofuran	140	140	0.3
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	90.5	91.1	0.6
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	0.74	0.69	7.7

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	1.11	1.15	3.6
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	5.69	5.67	0.2
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	10.9	11.0	0.8
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	7.07	6.99	1.2
m & p-Xylene	6.73	6.64	1.4
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	2.99	2.99	0.0
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	2.47	2.42	2.2
α-Pinene	5.25	5.58	6.1
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	2.07	2.14	3.3
1,3,5-Trimethylbenzene	0.80	0.76	5.3
β-Pinene	0.74	0.73	1.9
1,2,4-Trimethylbenzene	2.56	2.49	2.7
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS				
MS-06	60167	6/24	1432	Summa 1	X				
MS-07	60168		1303		X				
MS-08	60169		1336		X				
MS-09	60170		1347		X				
MS-10	60171		1103		X				
MS-11	60172		1407		X				
MS-12	60173		1327		X				
SCV	60174		1045		X				
Chiquita Canyon Rd	60175		1313		X				
S End Lincoln	60176		1320		X				

LAB USE ONLY
Lab ID
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chilled?
Total Cans
Unused Cans
Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/25/24 Time 1547

17x cans

241471

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]
Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +DMS
MS-01	60177	6/24	1212	Summa 1	X
MS-02	60178	↓	1134	↓	X
MS-03	60179		1452		X
MS-04	60180		1234		X
MS-05	60181		1200		X
Reaction	60182		1242		X
Working Face	60183	↓	1147	↓	X

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature °C
Thermometer ID
Initials
Received Chart
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/24/24 Time 1647

Courier 1547

24147 1

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR
MS-06	60184	6/24	1432	Tedlar 1	X
MS-07	60185		1303		X
MS-08	60186		1335		X
MS-09	60187		1347		X
MS-10	60188		1103		X
MS-11	60189		1407		X
MS-12	60190		1327		X
SCV	60191		1045		X
Chiquita Cyn Rd	60192		1313		X
S End Lincoln	60193		1320		X

LAB USE ONLY
Lab ID
Sample Received via
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature °C
Thermometer ID
Initials
Received Chilled
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/24/24 Time ~~1647~~ 1547

241471

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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / OFF]

Project Number
01204123.21 TASK 22

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					LAB USE ONLY: Lab ID
MS-01	60194	06/24	1212	Tedlar 1	X					
MS-02	60195		1134		X					
MS-03	60196		1452		X					
MS-04 60197	~~6099~~ 60197		1234		X					
MS-05	60198		1200		X					
Reaction	60199		1242		X					
Working Face	60200		1147		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID:
Initials:
Received Blue:
Total Cans:
Unused cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1543	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/25/24 Time 1547

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita
PROJECT NUMBER : 01204123.21 TASK 22
AAC PROJECT NO. : 241471
REPORT DATE : 06/27/2024

On June 24th 2024, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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.
MS-06	241471-60184	S End Lincoln	241471-60193
MS-07	241471-60185	MS-01	241471-60194
MS-08	241471-60186	MS-02	241471-60195
MS-09	241471-60187	MS-03	241471-60196
MS-10	241471-60188	MS-04	241471-60197
MS-11	241471-60189	MS-05	241471-60198
MS-12	241471-60190	Reaction	241471-60199
SCV	241471-60191	Working Face	241471-60200
Chiquita Cyn Rd	241471-60192		

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. 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 10 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241471
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/24/2024
RECEIVING DATE : 06/24/2024
ANALYSIS DATE : 06/24-25/2024
REPORT DATE : 06/27/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241471-60184	241471-60185	241471-60186	241471-60187	241471-60188	241471-60189
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.007**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.007**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241471
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/24/2024
RECEIVING DATE : 06/24/2024
ANALYSIS DATE : 06/24-25/2024
REPORT DATE : 06/27/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquita Cyn Rd	S End Lincoln	MS-01	MS-02
AAC ID	241471-60190	241471-60191	241471-60192	241471-60193	241471-60194	241471-60195
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.006**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.006**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241471
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/24/2024
RECEIVING DATE : 06/24/2024
ANALYSIS DATE : 06/24-25/2024
REPORT DATE : 06/27/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241471-60196	241471-60197	241471-60198	241471-60199	241471-60200
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.006**	< 0.005	**0.035**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.023**	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	**0.220**	< 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	**0.007**	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	**0.011**	< 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	**0.014**	< 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	**0.006**	< 0.005	**0.310**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/24/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10570	0.490	95.9	3.0
Duplicate	10740	0.498	97.4	1.5
Triplicate	11387	0.528	103.3	4.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9347	0.504	100.4	1.6
Duplicate	9553	0.515	102.7	0.6
Triplicate	9596	0.518	103.1	1.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12476	0.518	104.2	0.2
Duplicate	12415	0.515	103.7	0.3
Triplicate	12467	0.517	104.1	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48643**

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 **231800-48643 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.246	97.8	96.3	1.6
MeSH	<PQL	0.251	0.270	0.263	107.6	104.8	2.6
DMS	<PQL	0.249	0.267	0.269	107.4	108.2	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.540	105.7
MeSH	0.502	0.536	106.8
DMS	0.497	0.544	109.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/25/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11213	0.520	101.7	0.2
Duplicate	11380	0.528	103.3	1.7
Triplicate	10963	0.508	99.5	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9340	0.504	100.4	2.3
Duplicate	9738	0.525	104.6	1.8
Triplicate	9608	0.518	103.2	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12534	0.520	104.7	0.3
Duplicate	12511	0.519	104.5	0.1
Triplicate	12451	0.517	104.0	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241471-60198**

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 **241471-60198 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.251	0.247	98.2	96.7	1.6
MeSH	<PQL	0.251	0.266	0.255	106.0	101.6	4.2
DMS	<PQL	0.249	0.269	0.266	108.2	107.0	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.503	98.4
MeSH	0.502	0.519	103.4
DMS	0.497	0.528	106.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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24147 1

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON / (OFF)]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested: TO-15 FULL LIST +Dms					LAB USE ONLY: Lab ID
MS-06	60167	6/24	1432	Summa 1	X					
MS-07	60168		1303		X					
MS-08	60169		1336		X					
MS-09	60170		1347		X					
MS-10	60171		1108		X					
MS-11	60172		1407		X					
MS-12	60173		1327		X					
SCV	60174		1045		X					
Chiquita Cyn Rd	60175		1313		X					
S End Lincoln	60176		1320		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: ____ °C
Thermometer ID ____
Initials ____
Returned Cont.
Total cans: ____
Unused cans: ____
Flow Controllers: ____

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/25/24 Time 1547

17 cans

241471

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS					LAB USE ONLY Lab ID
MS-01	60177	6/24	1212	Summa 1	X					
MS-02	60178	↓	1134	↓	X					
MS-03	60179		1452		X					
MS-04	60180		1234		X					
MS-05	60181		1200		X					
Reaction	60182		1242		X					
Working Face	60183	↓	1147	↓	X					

LAB USE ONLY
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature: °C
Thermometer ID
Initials
Returned Cont
Total cans:
Unused Cans:
Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/24/24 Time 1697

Courier 1547

24171

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

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AAC Project No.:

Client/Company Name
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PO Number

Turnaround Time
☐ Rush 24 h ☐ Same Day
☐ Rush 48 h ☐ 5 Days
☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR
MS-06	60184	6/24	1432	Tedlar 1	X
MS-07	60185		1303		X
MS-08	60186		1335		X
MS-09	60187		1347		X
MS-10	60188		1103		X
MS-11	60189		1407		X
MS-12	60190		1327		X
SCV	60191		1045		X
Chiquita Cyn Rd	60192		1313		X
S End Lincoln	60193	↓	1320	↓	X

LAB USE ONLY

Lab ID	Sample Received via:
	☐FedEx
	☐UPS
	☐Courier
	☐Other
	Temperature: °C
	Thermometer ID
	Initials
	Returned Equip.
	Total cans:
	Unused cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/24/24 Time ~~1647~~ 1547

241471

CHAIN OF CUSTODY AND ANALYSIS REQUEST – Chain of Custody is a LEGAL DOCUMENT. Complete all relevant fields.

Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [(ON) OFF]

Project Number
01204123.21 TASK 22

Send Report To (Name/Email/Address)
pschafer@scsengineers.com
rhuff@scsengineers.com

Send Invoice To (Name/Email/Address)

PO Number

Turnaround Time
- ☐ Rush 24 h ☐ Same Day
- ☐ Rush 48 h ☐ 5 Days
- ☒ Rush 72 h ☐ Normal

Sampler Name
Print: Armando Hurtado
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	60194	06/24	1212	Tedlar 1	X				
MS-02	60195		1134		X				
MS-03	60196		1452		X				
MS-04 60197	~~6099~~ 60197		1234		X				
MS-05	60198		1200		X				
Reaction	60199		1242		X				
Working Face	60200		1147		X				

LAB USE ONLY

Lab ID	Sample Received via:
	☐FedEx
	☐UPS
	☐Courier
	☐Other
	Temperature: °C
	Thermometer ID
	Initials
	Returned Cont.
	Total cans:
	Unused cans
	Flow Controllers

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 6/24/24 Time 1545	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 6/25/24 Time 1545

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples June 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	6/3/2024	11:39	Leachate (consistent)	6/4/2024	11:45 AM	< 312	
	MS-02	6/3/2024	10:53	Sweet; masking agent spraying in direction of samples	6/4/2024	11:15 AM	3537	musty, naturally offensive, wet dog
	MS-03	6/3/2024	14:17		6/4/2024	9:40 AM	2806	Plastic, synthetic
	MS-04	6/3/2024	11:59	Leachate (consistent)	6/4/2024	9:00 AM	2807	stale
	MS-05	6/3/2024	11:23		6/4/2024	1:25 PM	1403	naturally offensive, sour
	Working/Active	6/3/2024	11:07	Iron, dirt, rotten milk @34.430024N; 118.648637	6/4/2024	9:10 AM	< 312	
	Reaction	6/3/2024	12:08	Strong leachate @34.435660N; 118.651698	6/4/2024	10:25 AM	8409	stagnant, putrid, synthetic
Off-Site	MS-06	6/3/2024	14:05	Strong gusts of leachate after sampling done	6/4/2024	12:50 PM	2228	stale, sour
	MS-07	6/3/2024	12:28		6/4/2024	10:45 AM	2806	plastic, stale
	MS-08	6/3/2024	13:09	Vegetation	6/4/2024	12:00 PM	< 312	
	MS-09	6/3/2024	13:21	Grass; breeze of leachate after sampling done	6/4/2024	1:05 PM	1250	sour, sweet, stale air
	MS-10	6/3/2024	13:43		6/4/2024	9:25 AM	3536	
	MS-11	6/3/2024	10:07		6/4/2024	12:30 PM	2228	sour milk
	MS-12	6/3/2024	13:01		6/4/2024	9:55 AM	< 312	
	SCV	6/3/2024	13:31	Vegetation	6/4/2024	10:10 AM	2973	naturally pleasant, tomato soup,
	Chiquito	6/3/2024	12:46		6/4/2024	11:30 AM	2500	
	S End Lincoln	6/3/2024	12:54		6/4/2024	12:15 PM	< 312	

Odor Samples June 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	6/10/2024	11:12	Slight hints of leachate	6/11/2024			INV
	MS-02	6/10/2024	10:27	Masking agent spraying towards samples. Slight apple smell	6/11/2024	9:20 AM	2102	musty, plastic
	MS-03	6/10/2024	13:19		6/11/2024	12:50 PM	1403	vegetation
	MS-04	6/10/2024	11:29		6/11/2024	9:55 AM	2500	wet dog, stale
	MS-05	6/10/2024	11:00		6/11/2024	12:10 PM	1768	plastic
	Working/Active	6/10/2024	10:47	@34.430416N; 118.649485W	6/11/2024	11:55 AM	1768	stale, putrid
	Reaction	6/10/2024	11:38	Leachate @34.435357N; 118.651271W	6/11/2024	9:45 AM	3536	garbage, trash, stale
Off-Site	MS-06	6/10/2024	13:09		6/11/2024	10:45 AM	1768	wood shavings, pleasent, floral
	MS-07	6/10/2024	11:56		6/11/2024	12:30 PM	< 156	naturally offensive
	MS-08	6/10/2024	12:27		6/11/2024	1:40 PM	1250	
	MS-09	6/10/2024	12:36		6/11/2024	9:00 AM	< 312	musty, plastic
	MS-10	6/10/2024	12:54	Leachate relatively consistent. Location has had hints of leachate smell last 2mo. Nothing was smelled prior.	6/11/2024	11:15 AM	1403	stale
	MS-11	6/10/2024	13:36		6/11/2024	10:10 AM	512	
	MS-12	6/10/2024	12:20	Leachate smell	6/11/2024	9:35 AM	< 312	
	SCV	6/10/2024	12:44	Hints of leachate	6/11/2024	10:25 AM	1487	plastic
	Chiquito	6/10/2024	12:06		6/11/2024	11:30 AM	884	musty
	S End Lincoln	6/10/2024	12:13	Vegetation, floral (jasmine), fresh cut grass	6/11/2024	1:30 PM	1768	

Odor Samples June 2024

	Sample Name	Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	6/17/2024			6/18/2024	9:20 AM	3536	Fresh cut grass, rancid
	MS-02	6/17/2024	12:04	dirt	6/18/2024	10:05 AM	1768	
	MS-03	6/17/2024	15:06		6/18/2024	12:30 AM	2500	Stale, Plastic
	MS-04	6/17/2024	13:04	leachate	6/18/2024	11:35 AM	7071	Stale, Musty
	MS-05	6/17/2024	12:28		6/18/2024	2:10 PM	3537	Plastic
	Working/Active	6/17/2024	12:14	dirt, rotten milk	6/18/2024	9:50 AM	3536	Rancid, Veg.
	Reaction	6/17/2024	13:14	strong leachate	6/18/2024	12:08 PM	5613	Stale, putrid, rancid
Off-Site	MS-06	6/17/2024	14:52		6/18/2024	9:00 AM	< 312	floral, coconut
	MS-07	6/17/2024	13:32		6/18/2024	1:55 PM	2679	stale, putrid, animal urine
	MS-08	6/17/2024	14:01	mud	6/18/2024	11:50 AM	5946	plastic
	MS-09	6/17/2024	14:12		6/18/2024	1:15 PM	2103	Nat. Offensive
	MS-10	6/17/2024	14:32		6/18/2024	10:45 AM	< 312	Synthetic, plastic, stale, fishy
	MS-11	6/17/2024	10:54		6/18/2024	1:35 PM	2103	"warm," nat. offensive
	MS-12	6/17/2024	13:34		6/18/2024	11:15 AM	2102	
	SCV	6/17/2024	14:21		6/18/2024	2:30 PM	< 312	Stale, fruity
	Chiquito	6/17/2024	13:40		6/18/2024	12:45 PM	2500	stale, plastic
	S End Lincoln	6/17/2024	13:48		6/18/2024	10:25 AM	2227	plastic

Odor Samples June 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	6/24/2024	12:12	Consistent leachate smell	6/25/2024	12:00 PM	2680	
	MS-02	6/24/2024	11:34		6/25/2024	9:00 AM	1768	
	MS-03	6/24/2024	14:52		6/25/2024	11:15 AM	<312	vegetation
	MS-04	6/24/2024	12:34	Leachate	6/25/2024	9:45 AM	3536	naturally offensive
	MS-05	6/24/2024	12:00		6/25/2024	1:05 PM	<312	gross, vegetation
	Working/Active	6/24/2024	11:47	Spoiled milk @34.429295N; 118.650273W	6/25/2024	10:00 AM	5000	clean, fresh
	Reaction	6/24/2024	12:42	Leachate @34.435359N; 118.651202W	6/25/2024	11:45 AM	7931	stale, sewer, putrid, trash
Off-Site	MS-06	6/24/2024	14:32	Sweet	6/25/2024	10:45 AM	<312	stale, sour milk
	MS-07	6/24/2024	13:03		6/25/2024	12:20 PM	3836	pretoleum gas, stale
	MS-08	6/24/2024	13:35		6/25/2024	10:30 AM	2227	sewer, garbage
	MS-09	6/24/2024	13:47		6/25/2024	9:30 AM	3150	synthetic, plastic
	MS-10	6/24/2024	11:03		6/25/2024	1:15 PM	BDL<312	stale
	MS-11	6/24/2024	14:07	Vegetation, grass	6/25/2024	9:15 AM	2102	stale, plastic
	MS-12	6/24/2024	13:27		6/25/2024	10:15 AM	4455	fresh, plastic
	SCV	6/24/2024	10:45		6/25/2024	12:50 PM	1250	plastic, synthetic
	Chiquito	6/24/2024	13:13	Paint smell	6/25/2024	12:35 PM	<312	plastic
	S End Lincoln	6/24/2024	13:20		6/25/2024	11:30 AM	<312	plastic

ATTACHMENT C

WEEKLY 24-HR SAMPLE LABORATORY ANALYTICAL DATA

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 241272
REPORT DATE	: 06/06/2024

On June 4, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241272-59254	695.5
MS-12	241272-59255	650.5
MS-08	241272-59256	671.0
MS-09	241272-59257	629.5
MS-10	241272-59258	398.0
MS-06	241272-59259	630.5
MS-11	241272-59260	374.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59254				241272-59255				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/05/2024				
Can Dilution Factor	1.46				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.32	<SRL	U	1	7.79	5.00
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Ethanol	3.54		1	2.93	3.44		1	3.12	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Acetone	3.57		1	2.93	3.76		1	3.12	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	3.12	2.00
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	3.12	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59254				241272-59255				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/05/2024				
Can Dilution Factor	1.46				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.46	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.78	0.50
BFB-Surrogate Std, % Recovery		90%				92%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59256				241272-59257				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/05/2024				
Can Dilution Factor	1.51				1.61				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Propene	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Methanol	7.71		1	7.57	8.87		1	8.07	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Ethanol	6.10		1	3.03	3.39		1	3.23	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Acetone	<SRL	U	1	3.03	5.80		1	3.23	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.23	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.23	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
2-Butanone (MEK)	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59256				241272-59257				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/05/2024				
Can Dilution Factor	1.51				1.61				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,4-Dioxane	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
2-Hexanone (MBK)	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
m & p-Xylene	<SRL	U	1	1.51	<SRL	U	1	1.61	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.81	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59258				241272-59259				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/06/2024				
Can Dilution Factor	2.55				1.61				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Propene	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Dichlorodifluoromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Chloromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Vinyl Chloride	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Methanol	<SRL	U	1	12.8	<SRL	U	1	8.04	5.00
1,3-Butadiene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Bromomethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Chloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Dichlorofluoromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Ethanol	<SRL	U	1	5.10	6.43		1	3.22	2.00
Vinyl Bromide	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Acetone	9.01		1	5.10	4.26		1	3.22	2.00
Trichlorofluoromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	<SRL	U	1	5.10	<SRL	U	1	3.22	2.00
Acrylonitrile	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,1-Dichloroethene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Allyl Chloride	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Carbon Disulfide	<SRL	U	1	5.10	<SRL	U	1	3.22	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,1-Dichloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Vinyl Acetate	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
2-Butanone (MEK)	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Hexane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Chloroform	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Ethyl Acetate	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Tetrahydrofuran	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2-Dichloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Benzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59258				241272-59259				
Date Sampled	06/03/2024				06/03/2024				
Date Analyzed	06/05/2024				06/06/2024				
Can Dilution Factor	2.55				1.61				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Cyclohexane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2-Dichloropropane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Bromodichloromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,4-Dioxane	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Trichloroethene (TCE)	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Heptane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Toluene	1.40		1	1.28	<SRL	U	1	0.80	0.50
2-Hexanone (MBK)	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Dibromochloromethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2-Dibromoethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Chlorobenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Ethylbenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
m & p-Xylene	<SRL	U	1	2.55	<SRL	U	1	1.61	1.00
Bromoform	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Styrene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
o-Xylene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
4-Ethyltoluene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
Hexachlorobutadiene	<SRL	U	1	1.28	<SRL	U	1	0.80	0.50
BFB-Surrogate Std. % Recovery		88%				90%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59260				
Date Sampled	06/03/2024				
Date Analyzed	06/05/2024				
Can Dilution Factor	2.71				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.36	0.50
Propene	<SRL	U	1	2.71	1.00
Dichlorodifluoromethane	<SRL	U	1	1.36	0.50
Chloromethane	<SRL	U	1	1.36	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.36	0.50
Vinyl Chloride	<SRL	U	1	1.36	0.50
Methanol	<SRL	U	1	13.6	5.00
1,3-Butadiene	<SRL	U	1	1.36	0.50
Bromomethane	<SRL	U	1	1.36	0.50
Chloroethane	<SRL	U	1	1.36	0.50
Dichlorofluoromethane	<SRL	U	1	1.36	0.50
Ethanol	5.73		1	5.43	2.00
Vinyl Bromide	<SRL	U	1	1.36	0.50
Acetone	<SRL	U	1	5.43	2.00
Trichlorofluoromethane	<SRL	U	1	1.36	0.50
2-Propanol (IPA)	<SRL	U	1	5.43	2.00
Acrylonitrile	<SRL	U	1	1.36	0.50
1,1-Dichloroethene	<SRL	U	1	1.36	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.71	1.00
Allyl Chloride	<SRL	U	1	2.71	1.00
Carbon Disulfide	<SRL	U	1	5.43	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.36	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.36	0.50
1,1-Dichloroethane	<SRL	U	1	1.36	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.36	0.50
Vinyl Acetate	<SRL	U	1	1.36	0.50
2-Butanone (MEK)	<SRL	U	1	2.71	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.36	0.50
Hexane	<SRL	U	1	1.36	0.50
Chloroform	<SRL	U	1	1.36	0.50
Ethyl Acetate	<SRL	U	1	1.36	0.50
Tetrahydrofuran	<SRL	U	1	1.36	0.50
1,2-Dichloroethane	<SRL	U	1	1.36	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.36	0.50
Benzene	<SRL	U	1	1.36	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241272
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/04/2024
DATE REPORTED : 06/06/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241272-59260				
Date Sampled	06/03/2024				
Date Analyzed	06/05/2024				
Can Dilution Factor	2.71				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.36	0.50
Cyclohexane	<SRL	U	1	1.36	0.50
1,2-Dichloropropane	<SRL	U	1	1.36	0.50
Bromodichloromethane	<SRL	U	1	1.36	0.50
1,4-Dioxane	<SRL	U	1	2.71	1.00
Trichloroethene (TCE)	<SRL	U	1	1.36	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.36	0.50
Heptane	<SRL	U	1	1.36	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.36	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.36	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.36	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.36	0.50
Toluene	<SRL	U	1	1.36	0.50
2-Hexanone (MBK)	<SRL	U	1	2.71	1.00
Dibromochloromethane	<SRL	U	1	1.36	0.50
1,2-Dibromoethane	<SRL	U	1	1.36	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.36	0.50
Chlorobenzene	<SRL	U	1	1.36	0.50
Ethylbenzene	<SRL	U	1	1.36	0.50
m & p-Xylene	<SRL	U	1	2.71	1.00
Bromoform	<SRL	U	1	1.36	0.50
Styrene	<SRL	U	1	1.36	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.36	0.50
o-Xylene	<SRL	U	1	1.36	0.50
4-Ethyltoluene	<SRL	U	1	1.36	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.36	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.36	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.36	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.36	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.36	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.36	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.36	0.50
Hexachlorobutadiene	<SRL	U	1	1.36	0.50
BFB-Surrogate Std. % Recovery		89%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.68	103
Chlorodifluoromethane	10.20	11.04	108
Propene	10.70	8.74	82
Dichlorodifluoromethane	10.40	11.21	108
Dimethyl Ether	10.40	10.98	106
Chloromethane	10.50	11.13	106
Dichlorotetrafluoroethane	10.20	10.13	99
Vinyl Chloride	10.60	11.26	106
Acetaldehyde	20.40	23.07	113
Methanol	22.30	20.45	92
1,3-Butadiene	10.70	11.92	111
Bromomethane	10.40	10.30	99
Chloroethane	10.40	9.18	88
Dichlorofluoromethane	10.30	10.29	100
Ethanol	11.40	11.96	105
Vinyl Bromide	10.60	9.99	94
Acrolein	10.90	11.30	104
Acetone	10.60	11.00	104
Trichlorofluoromethane	10.50	10.24	98
2-Propanol (IPA)	11.00	11.99	109
Acrylonitrile	10.90	11.21	103
1,1-Dichloroethene	10.50	10.20	97
Methylene Chloride (DCM)	10.40	10.17	98
TertButanol (TBA)	11.20	11.56	103
Allyl Chloride	10.70	10.49	98
Carbon Disulfide	10.50	10.69	102
Trichlorotrifluoroethane	10.30	9.90	96
trans-1,2-Dichloroethene	10.80	11.07	103
1,1-Dichloroethane	10.70	10.91	102
Methyl Tert Butyl Ether (MTBE)	10.70	9.61	90
Vinyl Acetate	11.00	11.22	102
2-Butanone (MEK)	10.70	10.21	95
cis-1,2-Dichloroethene	10.70	10.77	101
Hexane	10.80	10.60	98
Chloroform	10.70	10.68	100
Ethyl Acetate	10.70	10.92	102
Tetrahydrofuran	10.40	9.89	95
1,2-Dichloroethane	10.60	10.87	103
1,1,1-Trichloroethane	10.50	10.36	99
Benzene	10.70	10.51	98
Carbon Tetrachloride	10.30	9.93	96
Cyclohexane	10.50	9.91	94

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.34	97
Bromodichloromethane	10.50	10.10	96
1,4-Dioxane	10.50	9.68	92
Trichloroethene (TCE)	10.50	10.00	95
2,2,4-Trimethylpentane	10.60	10.55	100
Methyl Methacrylate	11.00	10.04	91
Heptane	10.50	10.45	100
cis-1,3-Dichloropropene	10.50	9.51	91
4-Methyl-2-pentanone (MiBK)	10.50	10.50	100
trans-1,3-Dichloropropene	10.60	9.92	94
1,1,2-Trichloroethane	10.60	9.94	94
Toluene	10.80	10.13	94
2-Hexanone (MBK)	10.50	10.90	104
Dibromochloromethane	10.60	9.43	89
1,2-Dibromoethane	10.60	9.72	92
Tetrachloroethene (PCE)	10.50	9.38	89
Chlorobenzene	10.80	10.17	94
Ethylbenzene	10.60	10.55	100
m & p-Xylene	21.20	19.95	94
Bromoform	10.60	9.68	91
Styrene	10.60	10.52	99
1,1,2,2-Tetrachloroethane	10.60	10.01	94
o-Xylene	10.60	10.47	99
1,2,3-Trichloropropane	10.60	10.90	103
Isopropylbenzene (Cumene)	10.60	10.08	95
α-Pinene	10.10	9.94	98
2-Chlorotoluene	10.70	10.28	96
n-Propylbenzene	10.60	9.83	93
4-Ethyltoluene	10.40	10.06	97
1,3,5-Trimethylbenzene	10.30	9.84	96
β-Pinene LR	10.90	7.08	65
1,2,4-Trimethylbenzene	10.30	10.05	98
Benzyl Chloride (a-Chlorotoluene)	10.30	7.57	73
1,3-Dichlorobenzene	10.30	10.23	99
1,4-Dichlorobenzene	10.20	10.09	99
Sec-ButylBenzene	10.70	9.78	91
1,2-Dichlorobenzene	10.40	10.15	98
n-ButylBenzene	10.60	9.15	86
1,2-Dibromo-3-Chloropropane	10.30	9.09	88
1,2,4-Trichlorobenzene	10.50	11.72	112
Naphthalene	10.90	14.00	128
Hexachlorobutadiene	10.80	9.68	90

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.68	8.92	103	95	8.2
1,1-Dichloroethene	0.0	10.50	10.20	10.76	97	102	5.3
Methylene Chloride (DCM)	0.0	10.40	10.17	10.43	98	100	2.5
Benzene	0.0	10.70	10.51	10.50	98	98	0.1
Trichloroethene (TCE)	0.0	10.50	10.00	9.91	95	94	0.9
Toluene	0.0	10.80	10.13	10.16	94	94	0.3
Tetrachloroethene (PCE)	0.0	10.50	9.38	9.64	89	92	2.7
Chlorobenzene	0.0	10.80	10.17	9.68	94	90	4.9
Ethylbenzene	0.0	10.60	10.55	10.19	100	96	3.5
m & p-Xylene	0.0	21.20	19.95	19.13	94	90	4.2
o-Xylene	0.0	10.60	10.47	10.06	99	95	4.0

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 060524*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	87%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 060524*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/05/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.44

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241266-59224

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.77	8.53	2.8
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.86	9.10	2.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	9.22	9.40	2.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	4.01	4.11	2.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK) J	0.78	0.76	1.9
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

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CHAIN OF CUSTODY RECORD 24122

Client/Project Name SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-9/SULFUR	TO-15 FULL LIST			CANISTER PRESSURE	Remarks Canister/Controller
MS-07	6-3/4-24	0702-0702	59254	6L SUMMA CANISTER	X	X			-5HG	001926/17582
MS-12	6-3/4-24	0713-0713	59255	6L SUMMA CANISTER	X	X			-2HG	002047/19508
MS-08	6-3/4-24	0723-0723	59256	6L SUMMA CANISTER	X	X			-4HG	001943/19596
MS-09	6-3/4-24	0736-0736	59257	6L SUMMA CANISTER	X	X			-6HG	002052/03530
MS-10	6-3/4-24	0749-0749	59258	6L SUMMA CANISTER	X	X			-4HG	002102/19593
MS-06	6-3/4-24	0809-0809	59259	6L SUMMA CANISTER	X	X			-6HG	001972/19506
MS-11	6-3/4-24	0829-0829	59260	6L SUMMA CANISTER	X	X			-16HG	001819/19512

Relinquished by: (Signature)	**Date** 6/4/24	**Time** 0941	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/4/24	**Time** 0941
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 241272

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
ED. GUZMAN	Ed	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 SULFUR					Remarks
MS-07	6-3/4-24	0702-0702	59261	10 LITER BAG	X					
MS-12	6-3/4-24	0713-0713	59262	10 LITER BAG	X					
MS-08	6-3/4-24	0723-0723	59263	10 LITER BAG	X					
MS-09	6-3/4-24	0736-0736	59264	10 LITER BAG	X					
MS-10	6-3/4-24	0749-0749	59265	10 LITER BAG	X					
MS-06	6-3/4-24	0809-0809	59266	10 LITER BAG	X					
MS-11	6-3/4-24	0829-0829	59267	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	6/4/24	0941			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				6/4/24	0941
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241272
REPORT DATE : 06/07/2024

On June 4, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7)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.	Return Pressure (mmHg)	Client ID	Lab No.	Return Pressure (mmHg)
MS-07	241272-59254	695.5	MS-07	241272-59261	NA
MS-12	241272-59255	650.5	MS-12	241272-59262	NA
MS-08	241272-59256	671.0	MS-08	241272-59263	NA
MS-09	241272-59257	629.5	MS-09	241272-59264	NA
MS-10	241272-59258	398.0	MS-10	241272-59265	NA
MS-06	241272-59259	630.5	MS-06	241272-59266	NA
MS-11	241272-59260	374.0	MS-11	241272-59267	NA

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241272
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03-04/2024
RECEIVING DATE : 06/04/2024
ANALYSIS DATE : 06/05-06/2024
REPORT DATE : 06/07/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10
AAC ID	241272-59254	241272-59255	241272-59256	241272-59257	241272-59258
Canister Dil. Fac.	1.5	1.6	1.5	1.6	2.6
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
COS / SO2	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Methyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Ethyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Dimethyl Sulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Carbon Disulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Methylethylsulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Diethyl Sulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Dimethyl Disulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
2-Methylthiophene	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
3-Methylthiophene	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Tetrahydrothiophene	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Bromothiophene	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Thiophenol	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Diethyl Disulfide	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013
Total Reduced Sulfurs	< 0.007	< 0.008	< 0.008	< 0.008	< 0.013

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241272
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03-04/2024
RECEIVING DATE : 06/04/2024
ANALYSIS DATE : 06/04-06/2024
REPORT DATE : 06/07/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-11	MS-07	MS-12	MS-08
AAC ID	241272-59259	241272-59260	241272-59261	241272-59262	241272-59263
Canister Dil. Fac.	1.6	2.7	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.008	< 0.014	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241272
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/03-04/2024
RECEIVING DATE : 06/04/2024
ANALYSIS DATE : 06/04/2024
REPORT DATE : 06/07/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	241272-59264	241272-59265	241272-59266	241272-59267
Canister Dil. Fac.	NA	NA	NA	NA
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/4/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11180	0.518	101.4	0.0
Duplicate	11445	0.531	103.9	2.4
Triplicate	10904	0.506	98.9	2.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9325	0.503	100.2	1.6
Duplicate	9635	0.520	103.5	1.7
Triplicate	9463	0.510	101.7	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12426	0.516	103.7	0.1
Duplicate	12320	0.511	102.9	0.7
Triplicate	12479	0.518	104.2	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.258	0.255	101.0	99.8	1.2
MeSH	<PQL	0.251	0.257	0.268	102.4	106.8	4.2
DMS	<PQL	0.249	0.270	0.271	108.7	109.1	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.470	92.0
MeSH	0.502	0.489	97.4
DMS	0.497	0.489	98.4

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/5/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10997	0.510	99.8	2.4
Duplicate	10590	0.491	96.1	1.4
Triplicate	10627	0.493	96.4	1.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9257	0.499	99.5	1.2
Duplicate	9112	0.492	97.9	0.4
Triplicate	9075	0.490	97.5	0.8

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12205	0.506	101.9	0.1
Duplicate	12348	0.512	103.1	1.2
Triplicate	12041	0.500	100.5	1.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241272-59267**

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 **241272-59267 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.232	0.247	90.8	96.7	6.3
MeSH	<PQL	0.251	0.233	0.254	92.8	101.2	8.6
DMS	<PQL	0.249	0.249	0.271	100.2	109.1	8.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.460	90.0
MeSH	0.502	0.457	91.0
DMS	0.497	0.450	90.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/6/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10685	0.495	97.0	1.5
Duplicate	10739	0.498	97.4	1.0
Triplicate	11113	0.515	100.8	2.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9244	0.499	99.3	0.4
Duplicate	9141	0.493	98.2	1.5
Triplicate	9456	0.510	101.6	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12153	0.504	101.5	0.4
Duplicate	12168	0.505	101.6	0.3
Triplicate	12287	0.510	102.6	0.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.234	92.0	91.6	0.4
MeSH	<PQL	0.251	0.242	0.250	96.4	99.6	3.3
DMS	<PQL	0.249	0.249	0.259	100.2	104.2	3.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.464	90.8
MeSH	0.502	0.456	90.8
DMS	0.497	0.450	90.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CHAIN OF CUSTODY RECORD 241272

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Day Sulfur	TO-15 Full List			Can Pressure	Remarks Canister/Controller
MS-07	6-3/4-24	0702-0702	59254	6L Summa Canister	X	X			-5HG	00192 6/17582
MS-12	6-3/4-24	0713-0713	59255	6L Summa Canister	X	X			-2HG	00204 7/19508
MS-08	6-3/4-24	0723-0723	59256	6L Summa Canister	X	X			-4HG	00194 3/19596
MS-09	6-3/4-24	0736-0736	59257	6L Summa Canister	X	X			-6HG	00205 2/03530
MS-10	6-3/4-24	0749-0749	59258	6L Summa Canister	X	X			-1HG	00210 2/19593
MS-06	6-3/4-24	0809-0809	59259	6L Summa Canister	X	X			-6HG	00187 2/19506
MS-11	6-3/4-24	0829-0829	59260	6L Summa Canister	X	X			-16HG	00181 9/19512

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/4/24	0911			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				6/4/24	0911
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

7c cans + 7c capped samples

CHAIN OF CUSTODY RECORD 241272

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR ORDOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED GUZMAN	**(Signature)**
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 Subpart	Remarks
MS-07	6-3/4-24	0702-0702	59261	10 LITER BAG	X	
MS-12	6-3/4-24	0713-0713	59262	10 LITER BAG	X	
MS-08	6-3/4-24	0723-0723	59263	10 LITER BAG	X	
MS-09	6-3/4-24	0736-0736	59264	10 LITER BAG	X	
MS-10	6-3/4-24	0749-0749	59265	10 LITER BAG	X	
MS-06	6-3/4-24	0809-0809	59266	10 LITER BAG	X	
MS-11	6-3/4-24	0824-0824	59267	10 LITER BAG	X	

Relinquished by: (Signature)	**Date** 6/4/24	**Time** 0941	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/4/24	**Time** 0941
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**
Sample Collector			**Analytical Laboratory** AAC VENTURA		

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241343
REPORT DATE : 06/14/2024

On June 11, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241343-59554	685.5
MS-12	241343-59555	697.5
MS-08	241343-59556	689.0
MS-09	241343-59557	633.0
MS-10	241343-59558	714.0
MS-06	241343-59559	644.0
MS-11	241343-59560	714.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59554				241343-59555				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/13/2024				
Can Dilution Factor	1.48				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methanol	8.23		1	7.40	<SRL	U	1	7.28	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethanol	4.89		1	2.96	4.50		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Acetone	4.66		1	2.96	4.95		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<SRL	U	1	2.91	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	2.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59554				241343-59555				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/13/2024				
Can Dilution Factor	1.48				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59556				241343-59557				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/13/2024				
Can Dilution Factor	1.48				1.63				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Chloromethane	<SRL	U	1	0.74	0.98		1	0.81	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Methanol	<SRL	U	1	7.39	16.9		1	8.15	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Ethanol	3.44		1	2.96	4.68		1	3.26	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Acetone	4.18		1	2.96	10.1		1	3.26	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<SRL	U	1	3.26	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	3.26	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59556				241343-59557				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/13/2024				
Can Dilution Factor	1.48				1.63				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.63	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.81	0.50
BFB-Surrogate Std. % Recovery		88%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241343-59558				241343-59559				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/14/2024				
Can Dilution Factor	1.42				1.58				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	7.11	8.92		1	7.91	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Ethanol	3.48		1	2.84	5.80		1	3.16	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Acetone	5.70		1	2.84	5.74		1	3.16	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	3.16	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Carbon Disulfide	<SRL	U	1	2.84	<SRL	U	1	3.16	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.71	1.00		1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241343-59558				241343-59559				
Date Sampled	06/10/2024				06/10/2024				
Date Analyzed	06/13/2024				06/14/2024				
Can Dilution Factor	1.42				1.58				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.58	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		91%				89%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59560				
Date Sampled	06/10/2024				
Date Analyzed	06/13/2024				
Can Dilution Factor	1.42				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	0.50
Chloromethane	0.77		1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	0.50
Methanol	10.1		1	7.11	5.00
1,3-Butadiene	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	0.50
Ethanol	3.25		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.71	0.50
Acetone	4.62		1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241343
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/11/2024
DATE REPORTED : 06/14/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241343-59560				
Date Sampled	06/10/2024				
Date Analyzed	06/13/2024				
Can Dilution Factor	1.42				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.42	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	1.00
Dibromochloromethane	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.42	1.00
Bromoform	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/13/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.15	97
Chlorodifluoromethane	10.20	11.35	111
Propene	10.70	11.59	108
Dichlorodifluoromethane	10.40	11.49	110
Dimethyl Ether	10.40	11.01	106
Chloromethane	10.50	11.21	107
Dichlorotetrafluoroethane	10.20	10.29	101
Vinyl Chloride	10.60	11.42	108
Acetaldehyde	20.40	25.16	123
Methanol	22.30	20.00	90
1,3-Butadiene	10.70	12.07	113
Bromomethane	10.40	10.58	102
Chloroethane	10.40	9.49	91
Dichlorofluoromethane	10.30	11.03	107
Ethanol	11.40	12.74	112
Vinyl Bromide	10.60	10.25	97
Acrolein	10.90	12.16	112
Acetone	10.60	11.02	104
Trichlorofluoromethane	10.50	10.83	103
2-Propanol (IPA)	11.00	12.36	112
Acrylonitrile	10.90	11.72	108
1,1-Dichloroethene	10.50	10.67	102
Methylene Chloride (DCM)	10.40	10.56	102
TertButanol (TBA)	11.20	12.08	108
Allyl Chloride	10.70	10.63	99
Carbon Disulfide	10.50	11.41	109
Trichlorotrifluoroethane	10.30	10.27	100
trans-1,2-Dichloroethene	10.80	11.17	103
1,1-Dichloroethane	10.70	11.14	104
Methyl Tert Butyl Ether (MTBE)	10.70	9.69	91
Vinyl Acetate	11.00	11.89	108
2-Butanone (MEK)	10.70	10.79	101
cis-1,2-Dichloroethene	10.70	10.80	101
Hexane	10.80	11.33	105
Chloroform	10.70	11.00	103
Ethyl Acetate	10.70	11.48	107
Tetrahydrofuran	10.40	10.64	102
1,2-Dichloroethane	10.60	11.51	109
1,1,1-Trichloroethane	10.50	10.58	101
Benzene	10.70	10.59	99
Carbon Tetrachloride	10.30	9.90	96
Cyclohexane	10.50	10.30	98

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.32	96
Bromodichloromethane	10.50	10.04	96
1,4-Dioxane	10.50	10.72	102
Trichloroethene (TCE)	10.50	9.82	94
2,2,4-Trimethylpentane	10.60	10.44	98
Methyl Methacrylate	11.00	10.82	98
Heptane	10.50	10.78	103
cis-1,3-Dichloropropene	10.50	9.81	93
4-Methyl-2-pentanone (MiBK)	10.50	10.78	103
trans-1,3-Dichloropropene	10.60	10.19	96
1,1,2-Trichloroethane	10.60	9.93	94
Toluene	10.80	10.05	93
2-Hexanone (MBK)	10.50	11.32	108
Dibromochloromethane	10.60	9.27	87
1,2-Dibromoethane	10.60	9.79	92
Tetrachloroethene (PCE)	10.50	9.18	87
Chlorobenzene	10.80	9.73	90
Ethylbenzene	10.60	10.23	97
m & p-Xylene	21.20	19.34	91
Bromoform	10.60	9.11	86
Styrene	10.60	10.37	98
1,1,2,2-Tetrachloroethane	10.60	9.81	93
o-Xylene	10.60	10.33	97
1,2,3-Trichloropropane	10.60	10.69	101
Isopropylbenzene (Cumene)	10.60	9.86	93
α-Pinene	10.10	9.01	89
2-Chlorotoluene	10.70	9.95	93
n-Propylbenzene	10.60	9.57	90
4-Ethyltoluene	10.40	9.77	94
1,3,5-Trimethylbenzene	10.30	9.59	93
β-Pinene LR	10.90	6.20	57
1,2,4-Trimethylbenzene	10.30	9.79	95
Benzyl Chloride (a-Chlorotoluene)	10.30	7.56	73
1,3-Dichlorobenzene	10.30	9.99	97
1,4-Dichlorobenzene	10.20	9.86	97
Sec-ButylBenzene	10.70	9.41	88
1,2-Dichlorobenzene	10.40	9.87	95
n-ButylBenzene	10.60	9.07	86
1,2-Dibromo-3-Chloropropane	10.30	9.35	91
1,2,4-Trichlorobenzene	10.50	11.94	114
Naphthalene HR	10.90	14.24	131
Hexachlorobutadiene	10.80	9.28	86

* - β-Pinene results are estimated.

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.

LR - Recovery for this compound was low. Results should be considered estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/13/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.15	8.94	97	95	2.3
1,1-Dichloroethene	0.0	10.50	10.67	10.83	102	103	1.5
Methylene Chloride (DCM)	0.0	10.40	10.56	10.70	102	103	1.3
Benzene	0.0	10.70	10.59	10.75	99	100	1.5
Trichloroethene (TCE)	0.0	10.50	9.82	10.07	94	96	2.5
Toluene	0.0	10.80	10.05	10.43	93	97	3.7
Tetrachloroethene (PCE)	0.0	10.50	9.18	9.60	87	91	4.5
Chlorobenzene	0.0	10.80	9.73	9.88	90	91	1.5
Ethylbenzene	0.0	10.60	10.23	10.26	97	97	0.3
m & p-Xylene	0.0	21.20	19.34	19.40	91	92	0.3
o-Xylene	0.0	10.60	10.33	10.37	97	98	0.4

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/13/2024 | **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 | **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 061324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	93%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 061324*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/13/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.42

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241343-59560

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.48	8.20	3.4
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	0.77	0.81	5.4
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	8.27	7.60	8.4
Methanol	10.1	10.2	1.4
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	3.25	2.89	12.0
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	4.62	4.59	0.6
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	<SRL	<SRL	NA
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<SRL	<SRL	NA
m & p-Xylene	<SRL	<SRL	NA
Bromoform	<SRL	<SRL	NA
Styrene	<SRL	<SRL	NA
1,1,2,2-Tetrachloroethane	<SRL	<SRL	NA
o-Xylene	<SRL	<SRL	NA
1,2,3-Trichloropropane	<SRL	<SRL	NA
Isopropylbenzene (Cumene)	<SRL	<SRL	NA
α-Pinene	<SRL	<SRL	NA
2-Chlorotoluene	<SRL	<SRL	NA
n-Propylbenzene	<SRL	<SRL	NA
4-Ethyltoluene	<SRL	<SRL	NA
1,3,5-Trimethylbenzene	<SRL	<SRL	NA
β-Pinene	<SRL	<SRL	NA
1,2,4-Trimethylbenzene	<SRL	<SRL	NA
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	NA
1,3-Dichlorobenzene	<SRL	<SRL	NA
1,4-Dichlorobenzene	<SRL	<SRL	NA
Sec-ButylBenzene	<SRL	<SRL	NA
1,2-Dichlorobenzene	<SRL	<SRL	NA
n-ButylBenzene	<SRL	<SRL	NA
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	NA
1,2,4-Trichlorobenzene	<SRL	<SRL	NA
Naphthalene	<SRL	<SRL	NA
Hexachlorobutadiene	<SRL	<SRL	NA

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

CHAIN OF CUSTODY RECORD

241343

Client/Project Name SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN	**(Signature)**
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3079 SOLFUR	TO-15 FULLIST	END PRESSURE	Remarks canister / controller
MS-07	6-10/11-24	0716-0808	59554	6L SUMMA CANISTER	X	X		-1HG-001932 / 17589
MS-12	6-10/11-24	0725-0822	59555	6L SUMMA CANISTER	X	X		0HG-002028 / 19511
MS-08	6-10/11-24	0735-0832	59556	6L SUMMA CANISTER	X	X		-4HG-002055 / 19510
MS-09	6-10/11-24	0747-0845	59557	6L SUMMA CANISTER	X	X		-5HG-001962 / 03288
MS-10	6-10/11-24	0759-0858	59558	6L SUMMA CANISTER	X	X		-3HG-002094 / 17584
MS-06	6-10/11-24	0829-0919	59559	6L SUMMA CANISTER	X	X		-2HG-002063 / 19504
MS-11	6-10/11-24	0848-0939	59560	6L SUMMA CANISTER	X	X		0HG-002045 / 03528

Relinquished by: (Signature)	**Date** 6/11/24	**Time** 1056	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/11/24	**Time** 1055
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

D/O- 7+ cans + 7+ coated Entechs

CHAIN OF CUSTODY RECORD

241343

Client/Project Name	Project Location
SCS ENGINEERS/CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN Ed	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-9/SULFUR					Remarks
MS-07	6-10/11-24	0716-0808	59561	10 LITER BAG	X					
MS-12	6-10/11-24	0725-0822	59562	10 LITER BAG	X					
MS-08	6-10/11-24	0735-0832	59563	10 LITER BAG	X					
MS-09	6-10/11-24	0747-0845	59564	10 LITER BAG	X					
MS-10	6-10/11-24	0759-0858	59565	10 LITER BAG	X					
MS-06	6-10/11-24	0829-0919	59566	10 LITER BAG	X					
MS-11	6-10/11-24	0848-0939	59567	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	6/11/24	1056			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				6/11/24	1055
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241343
REPORT DATE : 06/14/2024

On June 11th 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.
MS-07	241343-59554	685.5	MS-07	241343-59561
MS-12	241343-59555	6975	MS-12	241343-59562
MS-08	241343-59556	689.0	MS-08	241343-59563
MS-09	241343-59557	633.0	MS-09	241343-59564
MS-10	241343-59558	714.0	MS-10	241343-59565
MS-06	241343-59559	644.0	MS-06	241343-59566
MS-11	241343-59560	714.5	MS-11	241343-59567

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. 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241343
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10-11/2024
RECEIVING DATE : 06/11/024
ANALYSIS DATE : 06/13/2024
REPORT DATE : 06/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10
AAC ID	241343-59554	241343-59555	241343-59556	241343-59557	241343-59558
Canister Dil. Fac.	1.5	1.5	1.5	1.6	1.4
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
COS / SO2	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	**0.019**	< 0.008	< 0.007
2-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.007	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007	**0.019**	< 0.008	< 0.007

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241343
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10-11/2024
RECEIVING DATE : 06/11/024
ANALYSIS DATE : 06/11-13/2024
REPORT DATE : 06/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-11	MS-07	MS-12	MS-08
AAC ID	241343-59559	241343-59560	241343-59561	241343-59562	241343-59563
Canister Dil. Fac.	1.6	1.4	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	**0.021**	**0.007**	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.021**	**0.007**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241343
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/10-11/2024
RECEIVING DATE : 06/11/024
ANALYSIS DATE : 06/11-12/2024
REPORT DATE : 06/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	241343-59564	241343-59565	241343-59566	241343-59567
Canister Dil. Fac.	NA	NA	NA	NA
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	**0.006**	< 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	**0.006**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/11/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11235	0.521	101.9	3.8
Duplicate	10532	0.488	95.6	2.7
Triplicate	10714	0.497	97.2	1.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9295	0.501	99.9	1.5
Duplicate	9136	0.493	98.2	0.2
Triplicate	9034	0.487	97.1	1.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12519	0.519	104.5	1.1
Duplicate	12380	0.514	103.4	0.0
Triplicate	12247	0.508	102.3	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.250	0.246	97.8	96.3	1.6
MeSH	<PQL	0.251	0.251	0.251	100.0	100.0	0.0
DMS	<PQL	0.249	0.268	0.263	107.8	105.8	1.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.519	101.6
MeSH	0.502	0.524	104.4
DMS	0.497	0.527	106.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/12/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10892	0.505	98.8	2.0
Duplicate	10620	0.492	96.4	0.6
Triplicate	10532	0.488	95.6	1.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9490	0.512	102.0	2.6
Duplicate	9093	0.491	97.7	1.7
Triplicate	9170	0.495	98.5	0.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12345	0.512	103.1	0.3
Duplicate	12077	0.501	100.8	1.8
Triplicate	12491	0.518	104.3	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 241343-59567

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 241343-59567 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.242	0.248	94.7	97.1	2.4
MeSH	<PQL	0.251	0.264	0.260	105.2	103.6	1.5
DMS	<PQL	0.249	0.271	0.270	109.1	108.7	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.537	105.1
MeSH	0.502	0.522	104.0
DMS	0.497	0.524	105.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/13/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11136	0.516	101.0	0.6
Duplicate	10858	0.503	98.5	1.9
Triplicate	11209	0.520	101.7	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9450	0.510	101.6	1.2
Duplicate	9586	0.517	103.0	0.2
Triplicate	9670	0.522	103.9	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12500	0.519	104.4	0.3
Duplicate	12428	0.516	103.8	0.3
Triplicate	12459	0.517	104.0	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.269	0.263	105.3	102.9	2.3
MeSH	<PQL	0.251	0.269	0.272	107.2	108.4	1.1
DMS	<PQL	0.249	0.273	0.272	109.9	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.495	96.9
MeSH	0.502	0.496	98.8
DMS	0.497	0.506	101.8

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD

241343

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. Guzman	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C7-91 Solvents	TO-15 Full List	6L Pressure	Remarks canister / controller
MS-07	6-10/11-21	0746-0808	595541	6L Summa canister	X	X		HHG-001932 / 17589
MS-12	6-10/11-21	0725-0822	595555	6L Summa canister	X	X		HHG-002029 / 19571
MS-08	6-10/11-21	0735-0832	595556	6L Summa canister	X	X		HHG-002053 / 18570
MS-09	6-10/11-21	0747-0845	595557	6L Summa canister	X	X		HHG-001962 / 03288
MS-10	6-10/11-21	0759-0858	595558	6L Summa canister	X	X		HHG-002094 / 17584
MS-06	6-10/11-21	0929-0919	595559	6L Summa canister	X	X		HHG-002063 / 19564
MS-11	6-10/11-21	0848-0939	595560	6L Summa canister	X	X		HHG-002015 / 03528

Relinquished by: (Signature)	**Date** 6/11/21	**Time** 1056	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/11/21	**Time** 1055
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

9/0- 7+ cans + 7+ coated batches

CHAIN OF CUSTODY RECORD

241543

Client/Project Name SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	**Project Location** Valencia, CA.	**ANALYSES**
Project No.	**Field Logbook No.**	
Sampler: (Print) ED Cuevas **(Signature)** Ed	**No. Of Containers** 7	307 Bag Sample

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307 Bag Sample	Remarks
MS-07	6-10/11-24	0746-0828	59561	10 LITER BAG	X	
MS-12	6-10/11-24	0755-0822	59562	10 LITER BAG	X	
MS-08	6-10/11-24	0755-0832	59563	10 LITER BAG	X	
MS-09	6-10/11-24	0747-0815	59564	10 LITER BAG	X	
MS-10	6-10/11-24	0759-0838	59565	10 LITER BAG	X	
MS-06	6-10/11-24	0829-0919	59566	10 LITER BAG	X	
MS-11	6-10/11-24	0848-0939	59567	10 LITER BAG	X	

Relinquished by: (Signature) Ed	**Date** 6/11/24	**Time** 1056	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/11/24	**Time** 1055
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC Ventura

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241423
REPORT DATE : 06/24/2024

On June 18, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241423-59972	743.0
MS-12	241423-59973	745.5
MS-08	241423-59974	739.4
MS-09	241423-59975	424.0
MS-10	241423-59976	729.5
MS-06	241423-59977	736.0
MS-11	241423-59978	618.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 19 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59972				241423-59973				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.38				1.37				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Methanol	<SRL	U	1	6.91	<SRL	U	1	6.85	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Ethanol	3.03		1	2.76	3.10		1	2.74	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Acetone	<SRL	U	1	2.76	3.08		1	2.74	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	2.76	<SRL	U	1	2.74	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Allyl Chloride	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Carbon Disulfide	<SRL	U	1	2.76	<SRL	U	1	2.74	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241423-59972				241423-59973				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.38				1.37				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.38	<SRL	U	1	1.37	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.68	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59974				241423-59975				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.39				2.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Propene	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Chloromethane	0.72		1	0.69	<SRL	U	1	1.21	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Methanol	<SRL	U	1	6.94	13.9		1	12.1	5.00
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Ethanol	<SRL	U	1	2.78	5.75		1	4.85	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Acetone	<SRL	U	1	2.78	6.57		1	4.85	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
2-Propanol (IPA)	<SRL	U	1	2.78	<SRL	U	1	4.85	2.00
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Allyl Chloride	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Carbon Disulfide	<SRL	U	1	2.78	<SRL	U	1	4.85	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Vinyl Acetate	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
2-Butanone (MEK)	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Hexane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Chloroform	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Benzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59974				241423-59975				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/19/2024				
Can Dilution Factor	1.39				2.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,4-Dioxane	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
2-Hexanone (MBK)	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
m & p-Xylene	<SRL	U	1	1.39	<SRL	U	1	2.43	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	1.21	0.50
BFB-Surrogate Std. % Recovery		89%				89%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241423-59976				241423-59977				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/20/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	7.03	<SRL	U	1	7.06	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethanol	5.43		1	2.81	5.28		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	3.60		1	2.81	5.15		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	<SRL	U	1	2.82	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Carbon Disulfide	<SRL	U	1	2.81	<SRL	U	1	2.82	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59976				241423-59977				
Date Sampled	06/17/2024				06/17/2024				
Date Analyzed	06/19/2024				06/20/2024				
Can Dilution Factor	1.41				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	1.41	<SRL	U	1	1.41	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				88%			70-130%

U - Compound was not detected at or above the SRL.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59978				
Date Sampled	06/17/2024				
Date Analyzed	06/20/2024				
Can Dilution Factor	1.66				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.83	0.50
Propene	<SRL	U	1	1.66	1.00
Dichlorodifluoromethane	<SRL	U	1	0.83	0.50
Chloromethane	0.86		1	0.83	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.83	0.50
Vinyl Chloride	<SRL	U	1	0.83	0.50
Methanol	<SRL	U	1	8.30	5.00
1,3-Butadiene	<SRL	U	1	0.83	0.50
Bromomethane	<SRL	U	1	0.83	0.50
Chloroethane	<SRL	U	1	0.83	0.50
Dichlorofluoromethane	<SRL	U	1	0.83	0.50
Ethanol	3.45		1	3.32	2.00
Vinyl Bromide	<SRL	U	1	0.83	0.50
Acetone	6.12		1	3.32	2.00
Trichlorofluoromethane	<SRL	U	1	0.83	0.50
2-Propanol (IPA)	<SRL	U	1	3.32	2.00
Acrylonitrile	<SRL	U	1	0.83	0.50
1,1-Dichloroethene	<SRL	U	1	0.83	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.66	1.00
Allyl Chloride	<SRL	U	1	1.66	1.00
Carbon Disulfide	<SRL	U	1	3.32	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.83	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.83	0.50
1,1-Dichloroethane	<SRL	U	1	0.83	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.83	0.50
Vinyl Acetate	<SRL	U	1	0.83	0.50
2-Butanone (MEK)	<SRL	U	1	1.66	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.83	0.50
Hexane	<SRL	U	1	0.83	0.50
Chloroform	<SRL	U	1	0.83	0.50
Ethyl Acetate	<SRL	U	1	0.83	0.50
Tetrahydrofuran	<SRL	U	1	0.83	0.50
1,2-Dichloroethane	<SRL	U	1	0.83	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.83	0.50
Benzene	<SRL	U	1	0.83	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241423
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/18/2024
DATE REPORTED : 06/24/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241423-59978				
Date Sampled	06/17/2024				
Date Analyzed	06/20/2024				
Can Dilution Factor	1.66				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.83	0.50
Cyclohexane	<SRL	U	1	0.83	0.50
1,2-Dichloropropane	<SRL	U	1	0.83	0.50
Bromodichloromethane	<SRL	U	1	0.83	0.50
1,4-Dioxane	<SRL	U	1	1.66	1.00
Trichloroethene (TCE)	<SRL	U	1	0.83	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.83	0.50
Heptane	<SRL	U	1	0.83	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.83	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.83	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.83	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.83	0.50
Toluene	0.95		1	0.83	0.50
2-Hexanone (MBK)	<SRL	U	1	1.66	1.00
Dibromochloromethane	<SRL	U	1	0.83	0.50
1,2-Dibromoethane	<SRL	U	1	0.83	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.83	0.50
Chlorobenzene	<SRL	U	1	0.83	0.50
Ethylbenzene	<SRL	U	1	0.83	0.50
m & p-Xylene	<SRL	U	1	1.66	1.00
Bromoform	<SRL	U	1	0.83	0.50
Styrene	<SRL	U	1	0.83	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.83	0.50
o-Xylene	<SRL	U	1	0.83	0.50
4-Ethyltoluene	<SRL	U	1	0.83	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.83	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.83	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.83	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.83	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.83	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.83	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.83	0.50
Hexachlorobutadiene	<SRL	U	1	0.83	0.50
BFB-Surrogate Std. % Recovery		90%			70-130%

U - Compound was not detected at or above the SRL.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/19/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.38	100
Chlorodifluoromethane	10.20	11.02	108
Propene	10.70	10.61	99
Dichlorodifluoromethane	10.40	11.35	109
Dimethyl Ether	10.40	10.76	103
Chloromethane	10.50	10.77	103
Dichlorotetrafluoroethane	10.20	10.13	99
Vinyl Chloride	10.60	11.45	108
Acetaldehyde	20.40	23.52	115
Methanol	22.30	18.35	82
1,3-Butadiene	10.70	11.30	106
Bromomethane	10.40	10.04	97
Chloroethane	10.40	9.83	95
Dichlorofluoromethane	10.30	10.68	104
Ethanol	11.40	11.89	104
Vinyl Bromide	10.60	9.92	94
Acrolein	10.90	11.55	106
Acetone	10.60	10.45	99
Trichlorofluoromethane	10.50	10.52	100
2-Propanol (IPA)	11.00	11.65	106
Acrylonitrile	10.90	11.05	101
1,1-Dichloroethene	10.50	10.42	99
Methylene Chloride (DCM)	10.40	10.53	101
TertButanol (TBA)	11.20	11.41	102
Allyl Chloride	10.70	10.34	97
Carbon Disulfide	10.50	11.50	110
Trichlorotrifluoroethane	10.30	10.22	99
trans-1,2-Dichloroethene	10.80	10.86	101
1,1-Dichloroethane	10.70	11.06	103
Methyl Tert Butyl Ether (MTBE)	10.70	10.47	98
Vinyl Acetate	11.00	11.49	104
2-Butanone (MEK)	10.70	10.88	102
cis-1,2-Dichloroethene	10.70	10.77	101
Hexane	10.80	10.30	95
Chloroform	10.70	10.94	102
Ethyl Acetate	10.70	10.96	102
Tetrahydrofuran	10.40	10.17	98
1,2-Dichloroethane	10.60	11.24	106
1,1,1-Trichloroethane	10.50	10.70	102
Benzene	10.70	10.86	101
Carbon Tetrachloride	10.30	10.39	101
Cyclohexane	10.50	10.36	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.58	99
Bromodichloromethane	10.50	10.65	101
1,4-Dioxane	10.50	9.75	93
Trichloroethene (TCE)	10.50	9.90	94
2,2,4-Trimethylpentane	10.60	10.55	100
Methyl Methacrylate	11.00	10.60	96
Heptane	10.50	10.91	104
cis-1,3-Dichloropropene	10.50	10.24	98
4-Methyl-2-pentanone (MiBK)	10.50	10.48	100
trans-1,3-Dichloropropene	10.60	10.82	102
1,1,2-Trichloroethane	10.60	10.21	96
Toluene	10.80	10.24	95
2-Hexanone (MBK)	10.50	10.72	102
Dibromochloromethane	10.60	10.19	96
1,2-Dibromoethane	10.60	10.02	95
Tetrachloroethene (PCE)	10.50	9.37	89
Chlorobenzene	10.80	10.02	93
Ethylbenzene	10.60	10.53	99
m & p-Xylene	21.20	19.53	92
Bromoform	10.60	10.16	96
Styrene	10.60	10.43	98
1,1,2,2-Tetrachloroethane	10.60	9.89	93
o-Xylene	10.60	10.49	99
1,2,3-Trichloropropane	10.60	10.77	102
Isopropylbenzene (Cumene)	10.60	9.95	94
α-Pinene	10.10	9.97	99
2-Chlorotoluene	10.70	9.84	92
n-Propylbenzene	10.60	9.56	90
4-Ethyltoluene	10.40	9.69	93
1,3,5-Trimethylbenzene	10.30	9.62	93
β-Pinene LR	10.90	6.99	64
1,2,4-Trimethylbenzene	10.30	9.53	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.41	72
1,3-Dichlorobenzene	10.30	9.57	93
1,4-Dichlorobenzene	10.20	9.56	94
Sec-ButylBenzene	10.70	9.42	88
1,2-Dichlorobenzene	10.40	9.64	93
n-ButylBenzene	10.60	8.63	81
1,2-Dibromo-3-Chloropropane	10.30	8.87	86
1,2,4-Trichlorobenzene	10.50	10.80	103
Naphthalene	10.90	12.99	119
Hexachlorobutadiene	10.80	9.15	85

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/19/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.38	9.08	100	97	3.3
1,1-Dichloroethene	0.0	10.50	10.42	10.51	99	100	0.9
Methylene Chloride (DCM)	0.0	10.40	10.53	10.38	101	100	1.4
Benzene	0.0	10.70	10.86	10.91	101	102	0.5
Trichloroethene (TCE)	0.0	10.50	9.90	10.07	94	96	1.7
Toluene	0.0	10.80	10.24	10.56	95	98	3.1
Tetrachloroethene (PCE)	0.0	10.50	9.37	9.70	89	92	3.5
Chlorobenzene	0.0	10.80	10.02	9.89	93	92	1.3
Ethylbenzene	0.0	10.60	10.53	10.45	99	99	0.8
m & p-Xylene	0.0	21.20	19.53	19.54	92	92	0.1
o-Xylene	0.0	10.60	10.49	10.38	99	98	1.1

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/19/2024
MATRIX : High Purity He or N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 061924*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	92%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 061924*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/19/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.38

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241423-59972

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.36	8.33	0.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol J	5.91	6.74	13.1
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	3.03	3.26	7.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone J	2.68	2.53	5.8
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

J - Estimated value between the detection limit and the minimum reporting limit, shown for duplication purposes only.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/20/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 05/06/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.11	97
Chlorodifluoromethane	10.20	10.85	106
Propene	10.70	7.71	72
Dichlorodifluoromethane	10.40	11.15	107
Dimethyl Ether	10.40	10.53	101
Chloromethane	10.50	10.93	104
Dichlorotetrafluoroethane	10.20	9.94	97
Vinyl Chloride	10.60	11.12	105
Acetaldehyde	20.40	22.97	113
Methanol	22.30	18.21	82
1,3-Butadiene	10.70	11.21	105
Bromomethane	10.40	10.05	97
Chloroethane	10.40	9.24	89
Dichlorofluoromethane	10.30	10.47	102
Ethanol	11.40	11.60	102
Vinyl Bromide	10.60	9.82	93
Acrolein	10.90	11.50	106
Acetone	10.60	10.65	100
Trichlorofluoromethane	10.50	10.42	99
2-Propanol (IPA)	11.00	11.60	105
Acrylonitrile	10.90	10.77	99
1,1-Dichloroethene	10.50	10.60	101
Methylene Chloride (DCM)	10.40	10.25	99
TertButanol (TBA)	11.20	11.46	102
Allyl Chloride	10.70	10.55	99
Carbon Disulfide	10.50	11.50	110
Trichlorotrifluoroethane	10.30	10.04	97
trans-1,2-Dichloroethene	10.80	10.90	101
1,1-Dichloroethane	10.70	11.00	103
Methyl Tert Butyl Ether (MTBE)	10.70	10.44	98
Vinyl Acetate	11.00	11.42	104
2-Butanone (MEK)	10.70	10.41	97
cis-1,2-Dichloroethene	10.70	10.70	100
Hexane	10.80	10.06	93
Chloroform	10.70	11.00	103
Ethyl Acetate	10.70	11.03	103
Tetrahydrofuran	10.40	9.74	94
1,2-Dichloroethane	10.60	11.18	105
1,1,1-Trichloroethane	10.50	10.59	101
Benzene	10.70	10.89	102
Carbon Tetrachloride	10.30	10.53	102
Cyclohexane	10.50	10.67	102

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.69	100
Bromodichloromethane	10.50	10.77	103
1,4-Dioxane	10.50	10.12	96
Trichloroethene (TCE)	10.50	9.86	94
2,2,4-Trimethylpentane	10.60	10.64	100
Methyl Methacrylate	11.00	10.93	99
Heptane	10.50	10.98	105
cis-1,3-Dichloropropene	10.50	10.34	98
4-Methyl-2-pentanone (MiBK)	10.50	10.75	102
trans-1,3-Dichloropropene	10.60	10.72	101
1,1,2-Trichloroethane	10.60	10.23	97
Toluene	10.80	10.24	95
2-Hexanone (MBK)	10.50	10.96	104
Dibromochloromethane	10.60	10.19	96
1,2-Dibromoethane	10.60	10.17	96
Tetrachloroethene (PCE)	10.50	9.31	89
Chlorobenzene	10.80	9.83	91
Ethylbenzene	10.60	10.36	98
m & p-Xylene	21.20	19.37	91
Bromoform	10.60	9.88	93
Styrene	10.60	10.23	97
1,1,2,2-Tetrachloroethane	10.60	9.75	92
o-Xylene	10.60	10.28	97
1,2,3-Trichloropropane	10.60	10.59	100
Isopropylbenzene (Cumene)	10.60	9.72	92
α-Pinene	10.10	9.23	91
2-Chlorotoluene	10.70	9.74	91
n-Propylbenzene	10.60	9.42	89
4-Ethyltoluene	10.40	9.49	91
1,3,5-Trimethylbenzene	10.30	9.45	92
β-Pinene LR	10.90	6.32	58
1,2,4-Trimethylbenzene	10.30	9.37	91
Benzyl Chloride (a-Chlorotoluene)	10.30	7.44	72
1,3-Dichlorobenzene	10.30	9.32	90
1,4-Dichlorobenzene	10.20	9.41	92
Sec-ButylBenzene	10.70	9.27	87
1,2-Dichlorobenzene	10.40	9.42	91
n-ButylBenzene	10.60	8.50	80
1,2-Dibromo-3-Chloropropane	10.30	8.64	84
1,2,4-Trichlorobenzene	10.50	10.31	98
Naphthalene	10.90	12.55	115
Hexachlorobutadiene	10.80	8.62	80

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

* - β-Pinene results are estimated.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/20/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-050624-02
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	9.40	9.11	9.05	97	96	0.7
1,1-Dichloroethene	0.0	10.50	10.60	10.55	101	100	0.5
Methylene Chloride (DCM)	0.0	10.40	10.25	10.23	99	98	0.2
Benzene	0.0	10.70	10.89	10.66	102	100	2.1
Trichloroethene (TCE)	0.0	10.50	9.86	9.73	94	93	1.3
Toluene	0.0	10.80	10.24	10.29	95	95	0.5
Tetrachloroethene (PCE)	0.0	10.50	9.31	9.53	89	91	2.3
Chlorobenzene	0.0	10.80	9.83	9.75	91	90	0.8
Ethylbenzene	0.0	10.60	10.36	10.23	98	97	1.3
m & p-Xylene	0.0	21.20	19.37	19.11	91	90	1.4
o-Xylene	0.0	10.60	10.28	10.22	97	96	0.6

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/20/2024 **INSTRUMENT ID : GC/MS-04**

MATRIX : High Purity He or N_2 **ANALYST : DL**

UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 062024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	91%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	0.5
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	0.5
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	1.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	0.5
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	0.5
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 062024*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	0.5
Naphthalene	<RL	0.5
Hexachlorobutadiene	<RL	0.5

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 06/20/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1031.28

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241330-59504

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.29	8.56	3.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	<SRL	<SRL	*NA*
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	<SRL	<SRL	*NA*
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	<SRL	<SRL	*NA*
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	<SRL	<SRL	*NA*
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	<SRL	<SRL	*NA*
Allyl Chloride	<SRL	<SRL	*NA*
Carbon Disulfide	<SRL	<SRL	*NA*
Trichlorotrifluoroethane	<SRL	<SRL	*NA*
trans-1,2-Dichloroethene	<SRL	<SRL	*NA*
1,1-Dichloroethane	<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	*NA*
Vinyl Acetate	<SRL	<SRL	*NA*
2-Butanone (MEK)	<SRL	<SRL	*NA*
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	8980	9460	5.1
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	<SRL	<SRL	*NA*
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	<SRL	<SRL	*NA*
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	<SRL	<SRL	*NA*

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	<SRL	<SRL	*NA*
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	*NA*
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	<SRL	<SRL	*NA*
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	<SRL	<SRL	*NA*
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	<SRL	<SRL	*NA*
m & p-Xylene	<SRL	<SRL	*NA*
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	<SRL	<SRL	*NA*
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	<SRL	<SRL	*NA*
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	<SRL	<SRL	*NA*
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	<SRL	<SRL	*NA*
Benzyl Chloride (a-Chlorotoluene)	<SRL	<SRL	*NA*
1,3-Dichlorobenzene	<SRL	<SRL	*NA*
1,4-Dichlorobenzene	<SRL	<SRL	*NA*
Sec-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dichlorobenzene	<SRL	<SRL	*NA*
n-ButylBenzene	<SRL	<SRL	*NA*
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	*NA*
1,2,4-Trichlorobenzene	<SRL	<SRL	*NA*
Naphthalene	<SRL	<SRL	*NA*
Hexachlorobutadiene	<SRL	<SRL	*NA*

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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CHAIN OF CUSTODY RECORD 24123

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA CA.
Project No.	**Field Logbook No.**
Sampler: (Print) / **(Signature)**	**No. Of Containers**
ED. GUZMAN	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7.9 Silver	10-15 Full List	EPA Pressure	Remarks Canister/controller
MS-07	6-17/18-24	0650-0710	59972	6L Summa Canister	X	X		1HG-001862/19506
MS-12	6-17/18-24	0707-0720	59973	6L Summa Canister	X	X		0HG-002084/19508
MS-08	6-17/18-24	0717-0730	59974	6L Summa Canister	X	X		1HG-002074/17582
MS-09	6-17/18-24	0730-0743	59975	6L Summa Canister	X	X		1.5HG-002070/19512
MS-10	6-17/18-24	0743-0757	59976	6L Summa Canister	X	X		0HG-001812/19596
MS-06	6-17/18-24	0804-0819	59977	6L Summa Canister	X	X		0HG-002024/03530
MS-11	6-17/18-24	0824-0843	59978	6L Summa Canister	X	X		2HG-001979/19593

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/18/24	1002			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				6/18/24	1000
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

CHAIN OF CUSTODY RECORD 24123

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-9/SULFUR2	Remarks
MS-07	6-17/18-24	0658-0710	59979	10 LITER BAG	X	
MS-12	6-17/18-24	0707-0720	59980	10 LITER BAG	X	
MS-08	6-17/18-24	0717-0730	59981	10 LITER BAG	X	
MS-09	6-17/18-24	0730-0743	59982	10 LITER BAG	X	
MS-10	6-17/18-24	0743-0757	59983	10 LITER BAG	X	
MS-06	6-17/18-24	0804-0819	59984	10 LITER BAG	X	
MS-11	6-17/18-24	0824-0843	59985	10 LITER BAG	X	

Relinquished by: (Signature)	**Date** 6/18/24	**Time** 1002	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/18/24	**Time** 1000
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
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(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTUSA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241423
REPORT DATE : 06/21/2024

On June 18th 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters and seven (7) 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.	Return Pressure (mmHg)	Client ID	Lab No.	Return Pressure (mmHg)
MS-07	241423-59972	743.0	MS-07	241423-59979	NA
MS-12	241423-59973	745.5	MS-12	241423-59980	NA
MS-08	241423-59974	739.5	MS-08	241423-59981	NA
MS-09	241423-59975	424.0	MS-09	241423-59982	NA
MS-10	241423-59976	729.5	MS-10	241423-59983	NA
MS-06	241423-59977	736.0	MS-06	241423-59984	NA
MS-11	241423-59978	618.0	MS-11	241423-59985	NA

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. 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241423
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/17-18/2024
RECEIVING DATE : 06/18/2024
ANALYSIS DATE : 06/20/2024
REPORT DATE : 06/21/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10
AAC ID	241423-59972	241423-59973	241423-59974	241423-59975	241423-59976
Canister Dil. Fac.	1.4	1.4	1.4	2.4	1.4
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
COS / SO2	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	< 0.007	< 0.012	**0.007**
2-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.007	< 0.012	< 0.007
Total Unidentified Sulfur	**0.012**	**0.018**	**0.008**	< 0.012	< 0.007
Total Reduced Sulfurs	**0.012**	**0.018**	**0.008**	< 0.012	**0.007**

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241423
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/17-18/2024
RECEIVING DATE : 06/18/2024
ANALYSIS DATE : 06/18-20/2024
REPORT DATE : 06/21/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-11	MS-07	MS-12	MS-08
AAC ID	241423-59977	241423-59978	241423-59979	241423-59980	241423-59981
Canister Dil. Fac.	1.4	1.7	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	**0.010**	**0.010**	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.010**	**0.010**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241423
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 06/17-18/2024
RECEIVING DATE : 06/18/2024
ANALYSIS DATE : 06/18-19/2024
REPORT DATE : 06/21/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	241423-59982	241423-59983	241423-59984	241423-59985
Canister Dil. Fac.	NA	NA	NA	NA
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
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/18/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11152	0.517	101.2	2.0
Duplicate	10741	0.498	97.5	1.8
Triplicate	10911	0.506	99.0	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9339	0.504	100.4	0.0
Duplicate	9337	0.504	100.3	0.1
Triplicate	9351	0.504	100.5	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12569	0.522	104.9	0.4
Duplicate	12480	0.518	104.2	0.3
Triplicate	12507	0.519	104.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.240	0.248	93.9	97.1	3.3
MeSH	<PQL	0.251	0.247	0.257	98.4	102.4	4.0
DMS	<PQL	0.249	0.266	0.267	107.0	107.4	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.535	104.7
MeSH	0.502	0.534	106.4
DMS	0.497	0.537	108.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/19/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10506	0.487	95.3	0.7
Duplicate	10679	0.495	96.9	1.0
Triplicate	10542	0.489	95.7	0.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8985	0.485	96.6	0.3
Duplicate	9086	0.490	97.6	0.8
Triplicate	8963	0.484	96.3	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12261	0.509	102.4	0.3
Duplicate	12416	0.515	103.7	0.9
Triplicate	12234	0.508	102.1	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241423-59985**

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 **241423-59985 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.238	0.237	93.2	92.8	0.4
MeSH	<PQL	0.251	0.246	0.252	98.0	100.4	2.4
DMS	<PQL	0.249	0.266	0.269	107.0	108.2	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.474	92.8
MeSH	0.502	0.459	91.4
DMS	0.497	0.459	92.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 6/20/2024
Analyst: CM/KM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 01/25/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11102	0.515	100.7	1.7
Duplicate	10837	0.502	98.3	0.7
Triplicate	10814	0.501	98.1	0.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9454	0.510	101.6	1.0
Duplicate	9313	0.502	100.1	0.5
Triplicate	9318	0.503	100.1	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12484	0.518	104.2	0.4
Duplicate	12269	0.509	102.4	1.3
Triplicate	12550	0.521	104.8	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 231800-48645**

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 **231800-48645 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.236	0.250	92.4	97.8	5.8
MeSH	<PQL	0.251	0.247	0.261	98.4	104.0	5.5
DMS	<PQL	0.249	0.259	0.268	104.2	107.8	3.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.468	91.6
MeSH	0.502	0.487	97.0
DMS	0.497	0.487	98.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV
MDL = 1.1 ppbV

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CHAIN OF CUSTODY RECORD 241423

Client/Project Name SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUMA **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7 SILOXANES	TO-15 STL/LIST			3 DIGIT CANISTER & CONTROLLER	Remarks
MS-07	6/17/18-24	0658-0710	59972	6L SUMMA CANISTER	X	X			446-00186Z/19506	
MS-12	6/17/18-24	0707-0720	59973	6L SUMMA CANISTER	X	X			0446-00208Y/19508	
MS-08	6/17/18-24	0717-0730	59974	6L SUMMA CANISTER	X	X			446-00207Y/17582	
MS-09	6/17/18 24	0730-0743	59975	6L SUMMA CANISTER	X	X			0446-00207Z/19512	
MS-10	6/17/18-24	0743-0757	59976	6L SUMMA CANISTER	X	X			0446-00181Z/19596	
MS-06	6/17/18-24	0804-0819	59977	6L SUMMA CANISTER	X	X			0446-00202Y/03530	
MS-11	6/17/18-24	0824-0843	59978	6L SUMMA CANISTER	X	X			446-00197Y/19593	

Relinquished by: (Signature)	**Date** 6/19/24	**Time** 1002	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/19/24	**Time** 1000
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AAC VENTURA

D/C - 7x cans & 7x coated batches

CHAIN OF CUSTODY RECORD 24142-3

Client/Project Name SCSE-SHEEDS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GUZMAN **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	M07-915UL/R					Remarks
MS-07	6/17/18-24	0658-0710	59979	10 LITER BAG	X					
MS-12	6/17/18-24	0707-0720	59980	10 LITER BAG	X					
MS-08	6/17/18-24	0717-0730	59981	10 LITER BAG	X					
MS-09	6/17/18-24	0730-0743	59982	10 LITER BAG	X					
MS-10	6/17/18-24	0743-0757	59983	10 LITER BAG	X					
MS-06	6/17/18-24	0804-0819	59984	10 LITER BAG	X					
MS-11	6/17/18-24	0824-0843	59985	10 LITER BAG	X					

Relinquished by: (Signature)	**Date** 6/18/24	**Time** 1500	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date** 6/18/24	**Time** 1000
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

AACVENTURA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241473
REPORT DATE : 06/28/2024

On June 25, 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 6.0-Liter Silonite canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
MS-07	241473-60203	693.5
MS-12	241473-60204	726.0
MS-08	241473-60205	350.0
MS-09	241473-60206	732.5
MS-10	241473-60207	715.5
MS-06	241473-60208	694.5
MS-11	241473-60209	691.0

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. 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. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 15 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241473
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/25/2024
DATE REPORTED : 06/28/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241473-60203				241473-60204				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/27/2024				06/27/2024				
Can Dilution Factor	1.32				1.29				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Propene	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Dichlorodifluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Chloromethane	0.67		1	0.66	0.65		1	0.65	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Vinyl Chloride	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Methanol	17.9		1	6.58	20.2		1	6.47	5.00
1,3-Butadiene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Bromomethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Chloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Dichlorofluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Ethanol	7.57		1	2.63	10.4		1	2.59	2.00
Vinyl Bromide	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Acetone	5.16		1	2.63	7.14		1	2.59	2.00
Trichlorofluoromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
2-Propanol (IPA)	<SRL	U	1	2.63	<SRL	U	1	2.59	2.00
Acrylonitrile	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,1-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Allyl Chloride	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Carbon Disulfide	<SRL	U	1	2.63	<SRL	U	1	2.59	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,1-Dichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Vinyl Acetate	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
2-Butanone (MEK)	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Hexane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Chloroform	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Ethyl Acetate	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Tetrahydrofuran	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2-Dichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Benzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241473
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/25/2024
DATE REPORTED : 06/28/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241473-60203				241473-60204				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/27/2024				06/27/2024				
Can Dilution Factor	1.32				1.29				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Cyclohexane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2-Dichloropropane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Bromodichloromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,4-Dioxane	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Trichloroethene (TCE)	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Heptane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Toluene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
2-Hexanone (MBK)	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Dibromochloromethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2-Dibromoethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Chlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Ethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
m & p-Xylene	<SRL	U	1	1.32	<SRL	U	1	1.29	1.00
Bromoform	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Styrene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
o-Xylene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
4-Ethyltoluene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
Hexachlorobutadiene	<SRL	U	1	0.66	<SRL	U	1	0.65	0.50
BFB-Surrogate Std. % Recovery		85%				85%			70-130%

U - Compound was not detected at or above the SRL.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241473
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 06/25/2024
DATE REPORTED : 06/28/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241473-60205				241473-60206				
Date Sampled	06/24/2024				06/24/2024				
Date Analyzed	06/27/2024				06/27/2024				
Can Dilution Factor	2.69				1.23				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Propene	<SRL	U	1	2.69	<SRL	U	1	1.23	1.00
Dichlorodifluoromethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Chloromethane	<SRL	U	1	1.35	0.68		1	0.62	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Vinyl Chloride	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Methanol	17.2		1	13.5	18.1		1	6.16	5.00
1,3-Butadiene	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Bromomethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Chloroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Dichlorofluoromethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Ethanol	7.92		1	5.39	5.31		1	2.47	2.00
Vinyl Bromide	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Acetone	<SRL	U	1	5.39	10.2		1	2.47	2.00
Trichlorofluoromethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
2-Propanol (IPA)	<SRL	U	1	5.39	<SRL	U	1	2.47	2.00
Acrylonitrile	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
1,1-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.69	<SRL	U	1	1.23	1.00
Allyl Chloride	<SRL	U	1	2.69	<SRL	U	1	1.23	1.00
Carbon Disulfide	<SRL	U	1	5.39	<SRL	U	1	2.47	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
1,1-Dichloroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Vinyl Acetate	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
2-Butanone (MEK)	<SRL	U	1	2.69	<SRL	U	1	1.23	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Hexane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Chloroform	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Ethyl Acetate	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Tetrahydrofuran	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
1,2-Dichloroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50
Benzene	<SRL	U	1	1.35	<SRL	U	1	0.62	0.50

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