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

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California 91384

SCS ENGINEERS

01204123.21 Task 11 | November 15, 2024

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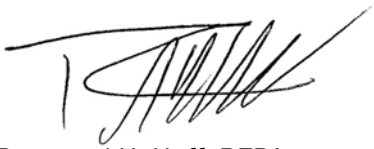
This Revised Third Quarter 2024 Enhanced Air Monitoring Report for the Chiquita Canyon Landfill, located at 29201 Henry Mayo Drive, Castaic, California, was prepared and reviewed by the following:



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SCS ENGINEERS



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Raymond H. Huff, REPA
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1.0 INTRODUCTION

This revised Third 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 July 1 to September 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 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 third 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 third 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.

As of September 2024, eight additional micro-GC units were installed as required by the UAO.

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	4-Ethyltoluene	Dibromochloromethane	Napthalene
1,1,2,2-Tetrachloroethane	4-Methyl-2-pentanone (MiBK)	Dichlorodifluoromethane	n-Butylbenzene
1,1,2-Trichloroethane	Acetaldehyde	Dichlorofluoromethane	n-Propylbenzene
1,1-Dichloroethane	Acetone	Dichlorotetrafluoroethane	
1,1-Dichloroethene	Acrolein	Dimethyl Ether	o-Xylene
1,2,3-Trichloropropane	Acrylonitrile	Ethanol	Propene
1,2,4-Trichlorobenzene	Allyl Chloride	Ethyl Acetate	Sec-butylbenzene
1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Styrene
1,2-Dibromoethane	Benzyl Chloride (4-Chlorotoluene)	Freon 11	Tertbutanol (TBA)
1,2-Dichlorobenzene	Bromodichloromethane	Freon 113	Tetrachloroethene (PCE)
1,2-Dichloroethane	Bromoform	Freon 114	Tetrahydrofuran
1,2-Dichloropropane	Bromomethane	Freon 12	Toluene
1,3,5-Trimethylbenzene	Carbon Disulfide	Heptane	trans-1,2-Dichloroethene
1,3-Butadiene	Carbon Tetrachloride	Hexachlorobutadiene	trans-1,3-Dichloropropene
1,3-Dichlorobenzene	Chlorobenzene	Hexane	Trichloroethene (TCE)
1,4-Dichlorobenzene	Chlorodifluoromethane	Isopropyl Alcohol	Trichlorofluoromethane
1,4-Dioxane	Chloroethane	Isopropylbenzene	Trichlorotrifluoroethane
2,2,4-Trimethylpentane	Chloroform	m & p-Xylene	Vinyl Acetate
2-Butanone (MEK)	Chloromethane	Methanol	Vinyl Bromide
2-Chlorotoluene	cis-1,2-Dichloroethene	Methyl Methacrylate	Vinyl Chloride
2-Hexanone (MBK)	cis-1,3-Dichloropropene	Methyl Tert Butyl Ether (MTBE)	a-Pinene
2-Propanol (IPA)	Cyclohexane	Methylene Chloride (DCM)	b-Pinene

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

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. As of September 2024, eight micro-GC units were brought online as required under the UAO. 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 July 1, 2024, to September 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, with the exception of benzene at MS-04. Exceedances throughout the reporting period are listed below.

MS-04 exceeded the acute benzene REL on September 25, 2024 at 9:00 AM to 10:00 AM.

DISCRETE SAMPLING

During the third quarter of 2024, a total of 670 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 2** below.

Table 2. Discrete Analytical Samples

Location		Samples Collected During Reporting Period
On-Site	Reaction Area	28
	Working Face	28
	MS-01	28
	MS-02	28
	MS-03	28
	MS-04	28
	MS-05	28
Off-Site	MS-06	55
	MS-07	55
	MS-08	56
	MS-09	56
	MS-10	56
	MS-11	56
	MS-12	56
	SCV	28
	S. End of Lincoln	28
	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 334 samples were analyzed for a total of 59 to 68 different individual VOCs. 34 individual VOCs were detected in the 334 samples analyzed. This results in a total individual VOC detections of 1,072 out of 23,702 results analyzed.

TRS Data

During the reporting period, total sulfur compounds were detected in 40 samples. A summary of the TRS detections in the 40 samples is provided in **Table 3** (attached).

Odor Data

In the third quarter of 2024, for on-site samples, the highest odors were detected from samples collected from the reaction area, with concentrations ranging from <625 to 14,143 ou/m^3.

In the third quarter of 2024, for off-site samples, the highest odors were detected from samples collected from samples taken from MS-12, with concentrations ranging from <312 to 7,071 ou/m^3.

TIME-COMPOSITE SAMPLING

During the third quarter of 2024, a total of 194, 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 194 samples were collected and analyzed for any of 58 different individual VOCs. Out of the 194 samples analyzed, 91 samples detected one or more VOCs. VOC analysis contains two fewer results from all 24-hr sampling. Fewer samples may be a result of accessibility issues along with an excluded samples using the QA/QC procedures included in the Standard Operating Procedures for the Enhanced Air Monitoring Program.

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 3. TRS Analytical Summary
July 1, 2024 - September 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
MS-11	7/1/2024	Hydrogen Sulfide	0.018	ppmV	Grab
MS-11	7/1/2024	Ethyl Mercaptan	0.007	ppmV	Grab
MS-11	7/1/2024	Total Reduced Sulfurs	0.025	ppmV	Grab
Reaction	7/1/2024	Dimethyl Sulfide	0.024	ppmV	Grab
Reaction	7/1/2024	Total Reduced Sulfurs	0.024	ppmV	Grab
Reaction	7/8/2024	Dimethyl Sulfide	0.011	ppmV	Grab
Reaction	7/8/2024	Total Reduced Sulfurs	0.011	ppmV	Grab
MS-06	7/15/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-06	7/15/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
Reaction	7/15/2024	Dimethyl Sulfide	0.018	ppmV	Grab
Reaction	7/15/2024	Total Reduced Sulfurs	0.018	ppmV	Grab
Reaction	7/22/2024	Dimethyl Sulfide	0.005	ppmV	Grab
Reaction	7/22/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
Reaction	7/29/2024	Dimethyl Sulfide	0.009	ppmV	Grab
Reaction	7/29/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-01	8/5/2024	Hydrogen Sulfide	0.012	ppmV	Grab
MS-01	8/5/2024	Total Reduced Sulfurs	0.012	ppmV	Grab
MS-04	8/5/2024	Hydrogen Sulfide	0.009	ppmV	Grab
MS-04	8/5/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-05	8/5/2024	Hydrogen Sulfide	0.029	ppmV	Grab
MS-05	8/5/2024	Total Reduced Sulfurs	0.029	ppmV	Grab
Working Face	8/5/2024	Hydrogen Sulfide	0.011	ppmV	Grab
Working Face	8/5/2024	Total Reduced Sulfurs	0.011	ppmV	Grab
Reaction	8/5/2024	Hydrogen Sulfide	0.011	ppmV	Grab
Reaction	8/5/2024	Dimethyl Sulfide	0.027	ppmV	Grab
Reaction	8/5/2024	Total Reduced Sulfurs	0.038	ppmV	Grab
MS-06	8/12/2024	Hydrogen Sulfide	0.009	ppmV	Grab
MS-06	8/12/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-07	8/12/2024	Hydrogen Sulfide	0.012	ppmV	Grab
MS-07	8/12/2024	Ethyl Mercaptan	0.006	ppmV	Grab
MS-07	8/12/2024	Total Reduced Sulfurs	0.018	ppmV	Grab
MS-08	8/12/2024	Hydrogen Sulfide	0.005	ppmV	Grab
MS-08	8/12/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
MS-09	8/12/2024	Hydrogen Sulfide	0.012	ppmV	Grab
MS-09	8/12/2024	Total Reduced Sulfurs	0.012	ppmV	Grab
MS-10	8/12/2024	Hydrogen Sulfide	0.014	ppmV	Grab
MS-10	8/12/2024	Total Reduced Sulfurs	0.014	ppmV	Grab
MS-11	8/12/2024	Hydrogen Sulfide	0.01	ppmV	Grab
MS-11	8/12/2024	Ethyl Mercaptan	0.008	ppmV	Grab
MS-11	8/12/2024	Total Reduced Sulfurs	0.018	ppmV	Grab

Table 3. TRS Analytical Summary
July 1, 2024 - September 30, 2024

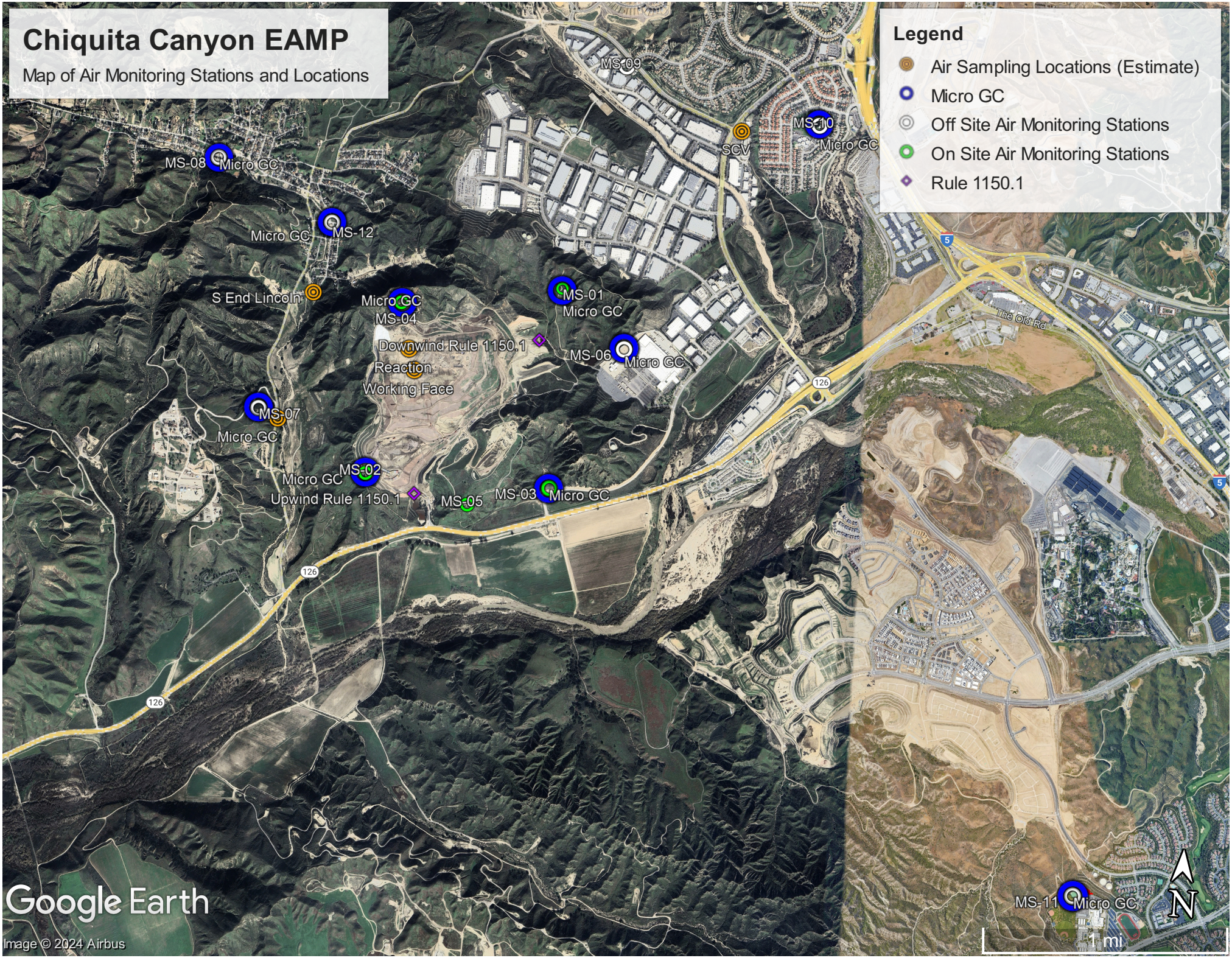
Location	Sample Date	Analytes	Results	Units	Sample
MS-12	8/12/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-12	8/12/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
SCV	8/12/2024	Hydrogen Sulfide	0.009	ppmV	Grab
SCV	8/12/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
Chquita Cyn Rd	8/12/2024	Hydrogen Sulfide	0.012	ppmV	Grab
Chquita Cyn Rd	8/12/2024	Total Reduced Sulfurs	0.012	ppmV	Grab
S. End Lincoln	8/12/2024	Hydrogen Sulfide	0.024	ppmV	Grab
S. End Lincoln	8/12/2024	Total Reduced Sulfurs	0.024	ppmV	Grab
MS-01	8/12/2024	Hydrogen Sulfide	0.06	ppmV	Grab
MS-01	8/12/2024	Total Reduced Sulfurs	0.06	ppmV	Grab
MS-02	8/12/2024	Hydrogen Sulfide	0.03	ppmV	Grab
MS-02	8/12/2024	Total Reduced Sulfurs	0.03	ppmV	Grab
MS-03	8/12/2024	Hydrogen Sulfide	0.009	ppmV	Grab
MS-03	8/12/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
MS-04	8/12/2024	Hydrogen Sulfide	0.007	ppmV	Grab
MS-04	8/12/2024	Total Reduced Sulfurs	0.007	ppmV	Grab
MS-05	8/12/2024	Hydrogen Sulfide	0.008	ppmV	Grab
MS-05	8/12/2024	Total Reduced Sulfurs	0.008	ppmV	Grab
Working Face	8/12/2024	Hydrogen Sulfide	0.009	ppmV	Grab
Working Face	8/12/2024	Total Reduced Sulfurs	0.009	ppmV	Grab
Reaction	8/12/2024	Hydrogen Sulfide	0.012	ppmV	Grab
Reaction	8/12/2024	Methyl Mercaptan	0.007	ppmV	Grab
Reaction	8/12/2024	Dimethyl Sulfide	0.036	ppmV	Grab
Reaction	8/12/2024	Total Reduced Sulfurs	0.055	ppmV	Grab
Reaction	8/19/2024	Dimethyl Sulfide	0.034	ppmV	Grab
Reaction	8/19/2024	Total Reduced Sulfurs	0.034	ppmV	Grab
MS-11	8/26/2024	Dimethyl Sulfide	0.006	ppmV	Grab
MS-11	8/26/2024	Total Reduced Sulfurs	0.006	ppmV	Grab
MS-04	8/26/2024	Dimethyl Sulfide	0.005	ppmV	Grab
MS-04	8/26/2024	Total Reduced Sulfurs	0.005	ppmV	Grab
Reaction	8/26/2024	Dimethyl Sulfide	0.018	ppmV	Grab
Reaction	8/26/2024	Total Reduced Sulfurs	0.018	ppmV	Grab
Reaction	9/3/2024	Methyl Mercaptan	0.011	ppmV	Grab
Reaction	9/3/2024	Dimethyl Sulfide	0.078	ppmV	Grab
Reaction	9/3/2024	Dimethyl Disulfide	0.007	ppmV	Grab
Reaction	9/3/2024	Total Reduced Sulfurs	0.096	ppmV	Grab
Reaction	9/9/2024	Dimethyl Sulfide	0.018	ppmV	Grab
Reaction	9/9/2024	Total Reduced Sulfurs	0.018	ppmV	Grab
Reaction	9/16/2024	Diethyl Sulfide	0.043	ppmV	Grab
Reaction	9/16/2024	Total Reduced Sulfurs	0.043	ppmV	Grab

Table 3. TRS Analytical Summary
July 1, 2024 - September 30, 2024

Location	Sample Date	Analytes	Results	Units	Sample
Reaction	9/23/2024	Dimethyl Sulfide	0.1	ppmV	Grab
Reaction	9/23/2024	Dimethyl Disulfide	0.007	ppmV	Grab
Reaction	9/23/2024	Total Unidentified Sulfur	0.009	ppmV	Grab
Reaction	9/23/2024	Total Reduced Sulfurs	0.116	ppmV	Grab
MS-07	8/12/2024	Ethyl Mercaptan	0.007	ppmV	24 h
MS-07	8/12/2024	Hydrogen Sulfide	0.007	ppmV	24 h
MS-07	8/12/2024	Total Reduced Sulfurs	0.014	ppmV	24 h
MS-07	8/19/2024	Methyl Mercaptan	0.006	ppmV	24 h
MS-07	8/19/2024	Total Reduced Sulfurs	0.006	ppmV	24 h
MS-08	8/12/2024	Hydrogen Sulfide	0.006	ppmV	24 h
MS-08	8/12/2024	Total Reduced Sulfurs	0.006	ppmV	24 h

Figure 1

Map of Enhanced Air Monitoring Locations


Chiquita Canyon EAMP
Map of Air Monitoring Stations and Locations
Legend
Air Sampling Locations (Estimate)
Micro GC
Off Site Air Monitoring Stations
On Site Air Monitoring Stations
Rule 1150.1
MS-09
MS-10
Micro GC
SCV
MS-08
Micro GC
Micro GC
MS-12
S End Lincoln
Micro GC
MS-04
MS-01
Micro GC
Downwind Rule 1150.1
Reaction
Working Face
MS-06
Micro GC
The Old Rd
5
126
MS-07
Micro GC
Micro GC
MS-02
Upwind Rule 1150.1
MS-05
MS-03
Micro GC
126
126
MS-11
Micro GC
N
1 mi
Google Earth
Image © 2024 Airbus

Appendix A

Q3 2024 Monthly EAMP Reports

August 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, July 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 July 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 July 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

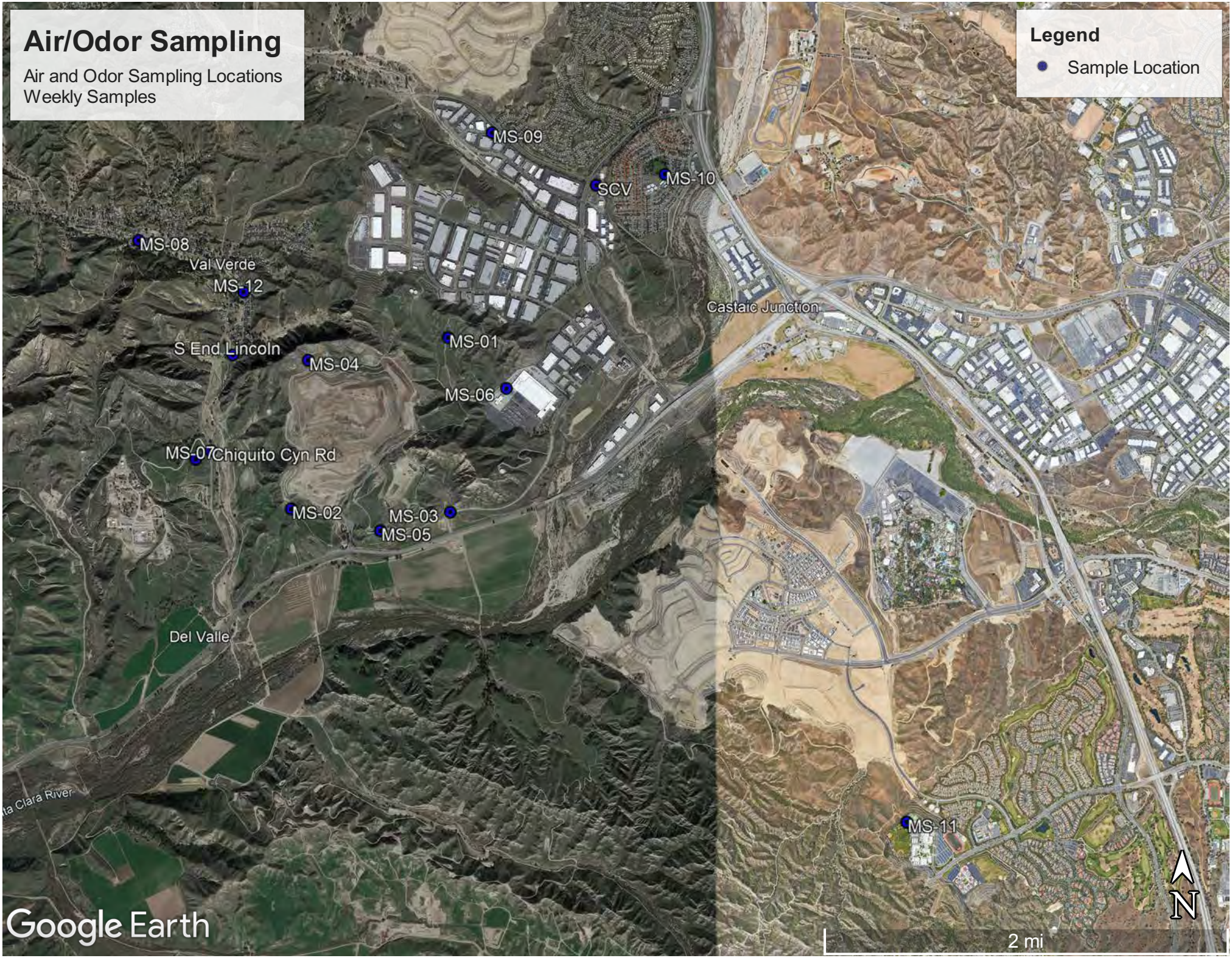
attachments

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. : 241541
REPORT DATE : 07/03/2024

On July 1, 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	241541-60572	613.9	Chiquito Cyn Rd	241541-60581	619.7
MS-07	241541-60573	678.3	MS-01	241541-60582	677.4
MS-08	241541-60574	611.7	MS-02	241541-60583	698.6
MS-09	241541-60575	680.5	MS-03	241541-60584	653.8
MS-10	241541-60576	672.5	MS-04	241541-60585	674.8
MS-11	241541-60577	610.0	MS-05	241541-60586	693.5
MS-12	241541-60578	648.4	Working Face	241541-60587	695.1
SCV	241541-60579	674.1	Reaction	241541-60588	634.4
S End Lincoln	241541-60580	684.3	--	--	--

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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60572				241541-60573				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.67				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methanol	23.1		1	8.37	12.2		1	7.51	5.00
1,3-Butadiene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethanol	20.4		1	3.35	18.0		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Acetone	7.90		1	3.35	5.84		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.35	<SRL	U	1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	1.71		1	1.67	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.35	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Hexane	0.95		1	0.84	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.84	<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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60572				241541-60573				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.67				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		84%				84%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60574			(MRLxDF's)	241541-60575			(MRLxDF's)	
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.67				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methanol	11.5		1	8.36	12.3		1	7.51	5.00
1,3-Butadiene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethanol	10.2		1	3.34	6.20		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Acetone	7.41		1	3.34	20.1		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.34	<SRL	U	1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.34	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.67	2.42		1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
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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	241541-60574				241541-60575				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.67				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.67	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		82%				84%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60576				241541-60577				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.52				1.68				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Methanol	12.0		1	7.59	17.8		1	8.40	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Ethanol	8.49		1	3.04	4.80		1	3.36	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Acetone	6.27		1	3.04	6.28		1	3.36	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	3.36	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	3.36	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60576				241541-60577				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.52				1.68				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.68	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.84	0.50
BFB-Surrogate Std. % Recovery		82%				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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60578				241541-60579				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.58				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloromethane	0.81		1	0.79	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methanol	11.1		1	7.92	10.2		1	7.61	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethanol	13.1		1	3.17	5.09		1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Acetone	8.41		1	3.17	13.0		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.17	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.17	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60578				241541-60579				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.58				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.79	1.26		1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		84%				83%			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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60580				241541-60581				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.49				1.64				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Methanol	11.3		1	7.45	11.0		1	8.22	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Ethanol	16.0		1	2.98	8.00		1	3.29	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Acetone	6.13		1	2.98	7.79		1	3.29	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	3.29	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.29	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60580				241541-60581				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.49				1.64				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.64	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.82	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60582				241541-60583				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.50				1.46				
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	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	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	14.2		1	7.52	16.2		1	7.32	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	6.18		1	3.01	9.95		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
Acetone	6.69		1	3.01	6.09		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.01	<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	1.46	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	3.01	<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	1.46	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60582				241541-60583				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.50				1.46				
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	1.46	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	1.46	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	1.46	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		85%				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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60584				241541-60585				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.58				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methanol	11.6		1	7.88	13.6		1	7.59	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethanol	13.6		1	3.15	6.36		1	3.04	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Acetone	10.4		1	3.15	6.33		1	3.04	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.15	<SRL	U	1	3.04	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.15	<SRL	U	1	3.04	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60584				241541-60585				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.58				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		85%				84%			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 : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60586				241541-60587				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.47				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	1.47	<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	13.8		1	7.34	13.3		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	5.71		1	2.94	17.8		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	7.08		1	2.94	6.76		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	1.49		1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<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	1.47	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.94	<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	1.47	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60586				241541-60587				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/02/2024				07/02/2024				
Can Dilution Factor	1.47				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	1.47	<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	1.47	<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	1.47	<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		84%				83%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60588				
Date Sampled	07/01/2024				
Date Analyzed	07/02/2024				
Can Dilution Factor	1.61				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	0.50
Propene	45.9		1	1.61	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	345		1	8.04	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	119		1	3.22	2.00
Vinyl Bromide	<SRL	U	1	0.80	0.50
Acetone	122		1	3.22	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	37.4		1	3.22	2.00
Acrylonitrile	<SRL	U	1	0.80	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	0.50
Methylene Chloride (DCM)	2.69		1	1.61	1.00
Allyl Chloride	<SRL	U	1	1.61	1.00
Carbon Disulfide	<SRL	U	1	3.22	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)	84.3		1	1.61	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	0.50
Hexane	1.22		1	0.80	0.50
Chloroform	<SRL	U	1	0.80	0.50
Ethyl Acetate	2.54		1	0.80	0.50
Tetrahydrofuran	155		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	94.6		1	0.80	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241541
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60588				
Date Sampled	07/01/2024				
Date Analyzed	07/02/2024				
Can Dilution Factor	1.61				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	0.50
Cyclohexane	1.00		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	1.61	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	0.50
Heptane	1.08		1	0.80	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	0.50
4-Methyl-2-pentanone (MiBK)	6.51		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	11.2		1	0.80	0.50
2-Hexanone (MBK)	<SRL	U	1	1.61	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	7.59		1	0.80	0.50
m & p-Xylene	7.28		1	1.61	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	3.28		1	0.80	0.50
4-Ethyltoluene	2.19		1	0.80	0.50
1,3,5-Trimethylbenzene	0.84		1	0.80	0.50
1,2,4-Trimethylbenzene	2.43		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		93%			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 : 241541
MATRIX : AIR

DATE RECEIVED : 07/01/2024
DATE REPORTED : 07/03/2024
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	241541-60572	07/01/2024	07/02/2024	<SRL	U	1.67	1.0	84%
MS-07	241541-60573	07/01/2024	07/02/2024	<SRL	U	1.50	1.0	84%
MS-08	241541-60574	07/01/2024	07/02/2024	<SRL	U	1.67	1.0	82%
MS-09	241541-60575	07/01/2024	07/02/2024	<SRL	U	1.50	1.0	84%
MS-10	241541-60576	07/01/2024	07/02/2024	<SRL	U	1.52	1.0	82%
MS-11	241541-60577	07/01/2024	07/02/2024	<SRL	U	1.68	1.0	85%
MS-12	241541-60578	07/01/2024	07/02/2024	<SRL	U	1.58	1.0	84%
SCV	241541-60579	07/01/2024	07/02/2024	<SRL	U	1.52	1.0	83%
S End Lincoln	241541-60580	07/01/2024	07/02/2024	<SRL	U	1.49	1.0	86%
Chiquito Cyn Rd	241541-60581	07/01/2024	07/02/2024	<SRL	U	1.64	1.0	85%
MS-01	241541-60582	07/01/2024	07/02/2024	<SRL	U	1.50	1.0	85%
MS-02	241541-60583	07/01/2024	07/02/2024	<SRL	U	1.46	1.0	85%
MS-03	241541-60584	07/01/2024	07/02/2024	<SRL	U	1.58	1.0	85%
MS-04	241541-60585	07/01/2024	07/02/2024	<SRL	U	1.52	1.0	84%
MS-05	241541-60586	07/01/2024	07/02/2024	<SRL	U	1.47	1.0	84%
Working Face	241541-60587	07/01/2024	07/02/2024	<SRL	U	1.45	1.0	83%
Reaction	241541-60588	07/01/2024	07/02/2024	43.7		1.61	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.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/02/2024
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	8.96	95
Chlorodifluoromethane	10.20	12.15	119
Propene	10.70	12.08	113
Dichlorodifluoromethane	10.40	11.52	111
Dimethyl Ether	10.40	12.34	119
Chloromethane	10.50	11.39	108
Dichlorotetrafluoroethane	10.20	10.12	99
Vinyl Chloride	10.60	12.08	114
Acetaldehyde HR	20.40	27.21	133
Methanol	22.30	22.86	103
1,3-Butadiene	10.70	13.14	123
Bromomethane	10.40	10.71	103
Chloroethane	10.40	10.51	101
Dichlorofluoromethane	10.30	11.29	110
Ethanol	11.40	13.26	116
Vinyl Bromide	10.60	10.41	98
Acrolein	10.90	12.59	116
Acetone	10.60	11.49	108
Trichlorofluoromethane	10.50	10.99	105
2-Propanol (IPA)	11.00	13.19	120
Acrylonitrile	10.90	12.66	116
1,1-Dichloroethene	10.50	10.68	102
Methylene Chloride (DCM)	10.40	10.69	103
TertButanol (TBA)	11.20	12.42	111
Allyl Chloride	10.70	11.57	108
Carbon Disulfide	10.50	12.01	114
Trichlorotrifluoroethane	10.30	10.51	102
trans-1,2-Dichloroethene	10.80	11.29	105
1,1-Dichloroethane	10.70	11.74	110
Methyl Tert Butyl Ether (MTBE)	10.70	11.15	104
Vinyl Acetate	11.00	13.52	123
2-Butanone (MEK)	10.70	11.04	103
cis-1,2-Dichloroethene	10.70	10.92	102
Hexane	10.80	11.28	104
Chloroform	10.70	11.36	106
Ethyl Acetate	10.70	12.50	117
Tetrahydrofuran	10.40	10.65	102
1,2-Dichloroethane	10.60	11.76	111
1,1,1-Trichloroethane	10.50	10.93	104
Benzene	10.70	10.94	102
Carbon Tetrachloride	10.30	10.43	101
Cyclohexane	10.50	10.52	100

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.11	104
Bromodichloromethane	10.50	10.70	102
1,4-Dioxane	10.50	10.02	95
Trichloroethene (TCE)	10.50	9.89	94
2,2,4-Trimethylpentane	10.60	11.27	106
Methyl Methacrylate	11.00	11.25	102
Heptane	10.50	11.08	106
cis-1,3-Dichloropropene	10.50	10.33	98
4-Methyl-2-pentanone (MiBK)	10.50	10.83	103
trans-1,3-Dichloropropene	10.60	10.88	103
1,1,2-Trichloroethane	10.60	10.11	95
Toluene	10.80	10.28	95
2-Hexanone (MBK)	10.50	11.39	108
Dibromochloromethane	10.60	9.99	94
1,2-Dibromoethane	10.60	9.90	93
Tetrachloroethene (PCE)	10.50	8.92	85
Chlorobenzene	10.80	9.98	92
Ethylbenzene	10.60	10.56	100
m & p-Xylene	21.20	19.57	92
Bromoform	10.60	9.74	92
Styrene	10.60	10.33	97
1,1,2,2-Tetrachloroethane	10.60	10.05	95
o-Xylene	10.60	10.49	99
1,2,3-Trichloropropane	10.60	10.75	101
Isopropylbenzene (Cumene)	10.60	9.84	93
α-Pinene	10.10	11.08	110
2-Chlorotoluene	10.70	9.85	92
n-Propylbenzene	10.60	9.44	89
4-Ethyltoluene	10.40	9.51	91
1,3,5-Trimethylbenzene	10.30	9.54	93
β-Pinene	10.90	7.73	71
1,2,4-Trimethylbenzene	10.30	9.53	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.36	71
1,3-Dichlorobenzene	10.30	9.27	90
1,4-Dichlorobenzene	10.20	9.32	91
Sec-ButylBenzene	10.70	9.32	87
1,2-Dichlorobenzene	10.40	9.31	90
n-ButylBenzene	10.60	8.51	80
1,2-Dibromo-3-Chloropropane	10.30	8.32	81
1,2,4-Trichlorobenzene	10.50	9.46	90
Naphthalene	10.90	11.60	106
Hexachlorobutadiene	10.80	7.86	73

[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 : 07/02/2024
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	8.96	8.67	95	92	3.3
1,1-Dichloroethene	0.0	10.50	10.68	10.71	102	102	0.3
Methylene Chloride (DCM)	0.0	10.40	10.69	10.77	103	104	0.7
Benzene	0.0	10.70	10.94	11.10	102	104	1.5
Trichloroethene (TCE)	0.0	10.50	9.89	9.92	94	94	0.3
Toluene	0.0	10.80	10.28	10.60	95	98	3.1
Tetrachloroethene (PCE)	0.0	10.50	8.92	9.40	85	90	5.2
Chlorobenzene	0.0	10.80	9.98	9.66	92	89	3.3
Ethylbenzene	0.0	10.60	10.56	10.56	100	100	0.0
m & p-Xylene	0.0	21.20	19.57	19.18	92	90	2.0
o-Xylene	0.0	10.60	10.49	10.26	99	97	2.2

[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 : 07/02/2024 | **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 070224*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	83%	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 070224*	*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 : 07/02/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.61

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241541-60588

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.78	8.48	3.5
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	45.9	43.0	6.6
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	68.8	64.6	6.3
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	23.1	21.3	8.2
Methanol	345	348	0.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	119	114	4.1
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	122	117	4.1
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	37.4	35.4	5.7
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	2.69	2.40	11.4
TertButanol (TBA)	4.92	4.63	6.1
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)	84.3	80.4	4.7
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	1.22	1.25	2.6
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	2.54	2.41	5.2
Tetrahydrofuran	155	151	2.3
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	94.6	91.8	2.9
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	1.00	0.90	10.2

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane J	1.06	1.08	1.5
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	1.08	1.09	1.5
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	6.51	6.27	3.8
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	11.2	11.1	0.6
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	7.59	7.40	2.6
m & p-Xylene	7.28	6.93	5.0
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	3.28	3.10	5.5
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	2.77	2.65	4.2
α-Pinene	5.68	5.79	2.0
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	2.19	2.11	3.7
1,3,5-Trimethylbenzene	0.84	0.80	3.9
β-Pinene	0.88	0.90	1.8
1,2,4-Trimethylbenzene	2.43	2.40	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)

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

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24154

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: EVAN

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				
MS-06	60572	7/1	1426	SUMA	6				
MS-07	60573		1301		4				
MS-08	60574		1337		4				
MS-09	60575		1347		4				
MS-10	60576		1413		4				
MS-11	60577		1116		4				
MS-12	60578		1319		4				
SCE	60579		1400		4				
EV ~~SAT~~ Stand Chain	60580		1314		4				
Chiquita Canyon	60581		1307		4				

LAB USE ONLY
Lab ID
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: Signature:	Date / Time	**Received By** Print: Signature:	Date / Time
Relinquished By Print: Signature:	Date / Time	**Received By** Print: Signature:	Date 7/1/24 Time 1705

D/O - 17x cans

241541

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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: Eva Lau
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	60582	7/1	1217	Summa 1	X					
MS 02	60583	↓	1143	↓	X					
MS 03	60584		1438		X					
MS 04	60585		1237		X					
MS 05	60586		1205		X					
Working Blue	60587		1152		X					
Blank	60588	↓	1244	↓	X					

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Signature:	Date 7/1/24 Time 1659	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 7/1/24 Time 1705	

24154)

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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: Graun
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	60589	7/1	1426	Sedlar	1				
MS 07	60590		1301		1				
MS 08	60591		1337		6				
MS 09	60592		1347		6				
MS 10	60593		1413		6				
MS 11	60594		1116		6				
MS 12	60595		1319		1				
SW	60596		1400		1				
S End Chiquita Canyon Rd	60597		1314		1				
	60598	↓	1357	↓	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 Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Signature:	**Date** 7/1 **Time** 1659	**Received By** Print: Signature:	**Date** **Time**
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** 7/1/24 **Time** 1705

24154|

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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: Evalu
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	60599	7/1	1217	Tedlar 1	X				
MS02 60600	#1 61		1143		X				
MS.03	60601		1438		X				
MS.04	60602		1237		X				
MS.05	60603		1205		X				
Working Face	60604		1152		X				
Reaction	60605	↓	1244	↓	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: Evalu Signature:	Date 7/1 Time 1659	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 7/1/24 Time 1705

CLIENT	:	SCS Engineers
PROJECT NAME	:	Chiquita [ON / OFF]
PROJECT NUMBER	:	01204123.21 TASK 22
AAC PROJECT NO.	:	241541
REPORT DATE	:	07/03/2024

On July 1, 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	241541-60589	Chiquita Cyn Rd	241541-60598
MS-07	241541-60590	MS-01	241541-60599
MS-08	241541-60591	MS-02	241541-60600
MS-09	241541-60592	MS-03	241541-60601
MS-10	241541-60593	MS-04	241541-60602
MS-11	241541-60594	MS-05	241541-60603
MS-12	241541-60595	Working Face	241541-60604
SCV	241541-60596	Reaction	241541-60605
S End Lincoln	241541-60597		

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241541
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01/2024
RECEIVING DATE : 07/01/2024
ANALYSIS DATE : 07/01-02/2024
REPORT DATE : 07/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241541-60589	241541-60590	241541-60591	241541-60592	241541-60593	241541-60594
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.018**
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	**0.007**
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	**0.025**

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. : 241541
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01/2024
RECEIVING DATE : 07/01/2024
ANALYSIS DATE : 07/02/2024
REPORT DATE : 07/03/2024

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	241541-60595	241541-60596	241541-60597	241541-60598	241541-60599	241541-60600
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. : 241541
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01/2024
RECEIVING DATE : 07/01/2024
ANALYSIS DATE : 07/02/2024
REPORT DATE : 07/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241541-60601	241541-60602	241541-60603	241541-60604	241541-60605
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	**0.024**
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	**0.024**

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/1/2024
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	11278	0.523	102.3	1.7
Duplicate	10837	0.502	98.3	2.2
Triplicate	11138	0.516	101.1	0.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9180	0.495	98.7	1.2
Duplicate	8995	0.485	96.7	3.2
Triplicate	9709	0.524	104.3	4.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12415	0.515	103.7	0.6
Duplicate	12100	0.502	101.0	1.9
Triplicate	12498	0.519	104.3	1.3

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	0.255	0.267	99.8	104.5	4.6
MeSH	<PQL	0.251	0.252	0.266	100.4	106.0	5.4
DMS	<PQL	0.249	0.246	0.269	99.0	108.2	8.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.462	90.4
MeSH	0.502	0.454	90.4
DMS	0.497	0.460	92.6

** 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: 7/2/2024
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	10590	0.491	96.1	0.4
Duplicate	10600	0.492	96.2	0.3
Triplicate	10693	0.496	97.0	0.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8844	0.477	95.0	1.8
Duplicate	8872	0.479	95.3	1.5
Triplicate	9299	0.502	99.9	3.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11689	0.485	97.6	3.2
Duplicate	12249	0.508	102.3	1.4
Triplicate	12305	0.511	102.7	1.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241541-60600**

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 **241541-60600 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.232	0.240	90.8	93.9	3.4
MeSH	<PQL	0.251	0.232	0.247	92.4	98.4	6.3
DMS	<PQL	0.249	0.230	0.251	92.6	101.0	8.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.508	101.2
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

241541

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: GM
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	60572	7/1	1426	SUMMA	X					
MS 07	60573		1341		X					
MS 08	60574		1337		X					
MS 09	60575		1347		X					
MS 10	60576		1413		X					
MS 11	60577		1116		X					
MS 12	60578		1319		X					
SV1	60579		1400		X					
5" Liner Stainless Steel Canister	60580		1314		X					
Chiquita Lip FD	60581		1307		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:		Print:	
Signature:	Time	Signature:	Time
Relinquished By	**Date**	**Received By**	**Date** 7/14
Print:		Print:	
Signature:	Time	Signature:	Time 1705

D/O - 17x cans

241541

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)
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** **Print:** Evan Lum **Signature:**	**PO Number**

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +Naps					LAB USE ONLY Lab ID
MS 01	60582	7/1	1217	Summa 1	X					
MS 02	60583	↓	1143	↓	X					
MS 03	60584		1438		X					
MS 04	60585		1237		X					
MS 05	60586		1205		X					
Working Blk	60587		1152		X					
Y Lab Dup	60588	↓	1244	↓	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** 7/1/24 **Time** 1711	**Received By** **Print:** **Signature:**	**Date** **Time**
Relinquished By **Print:** **Signature:**	**Date** **Time**	**Received By** **Print:** **Signature:**	**Date** 7/1/24 **Time** 1705

24154)

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					Lab ID
MS 06	60589	7/1	1426	Tedlar	1					
MS 07	60590		1301		1					
MS 08	60591		1337		1					
MS 09	60592		1347		1					
MS 10	60593		1413		1					
MS 11	60594		1116		1					
MS 12	60595		1219		1					
N2	60596		1400		1					
Field Blank	60597		1314		1					
Chain Blank	60598	↓	1307	↓	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: Graham Signature:	Date 7/1 Time 1659	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 7/1/24 Time 1705

241541

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 Lewis
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MC-01	60599	7/1	1247	1 glass	X				
MC-02 60600	60600		1143		X				
MS-03	60601		1438		X				
MS-04	60602		1237		X				
MS-05	60603		1205		X				
Workspace	60604		1152		X				
Vacuum	60605	↓	1244	↓	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: Evan Lewis Signature:	Date 7/1 Time 1659	**Received By** Print: Signature:
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:

Date
Time

Date 7/1/24
Time 1205

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241581
REPORT DATE	: 07/10/2024

On July 8th 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	241581-60801	SCV	241581-60810
MS-07	241581-60802	MS-01	241581-60811
MS-08	241581-60803	MS-02	241581-60812
MS-09	241581-60804	MS-03	241581-60813
MS-10	241581-60805	MS-04	241581-60814
MS-11	241581-60806	MS-05	241581-60815
MS-12	241581-60807	Reaction	241581-60816
Chiquita Cyn Rd	241581-60808	Working Face	241581-60817
S End Lincoln	241581-60809	-	-

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. : 241581
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08/2024
RECEIVING DATE : 07/08/2024
ANALYSIS DATE : 07/09/2024
REPORT DATE : 07/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241581-60801	241581-60802	241581-60803	241581-60804	241581-60805	241581-60806
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. : 241581
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08/2024
RECEIVING DATE : 07/08/2024
ANALYSIS DATE : 07/08-09/2024
REPORT DATE : 07/10/2024

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	241581-60807	241581-60808	241581-60809	241581-60810	241581-60811	241581-60812
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. : 241581
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08/2024
RECEIVING DATE : 07/08/2024
ANALYSIS DATE : 07/08-09/2024
REPORT DATE : 07/10/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241581-60813	241581-60814	241581-60815	241581-60816	241581-60817
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	**0.011**	< 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	**0.011**	< 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: 7/8/2024
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	10925	0.507	99.1	1.0
Duplicate	11024	0.511	100.0	0.1
Triplicate	11152	0.517	101.2	1.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9109	0.491	97.9	0.7
Duplicate	8992	0.485	96.6	0.6
Triplicate	9045	0.488	97.2	0.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12481	0.518	104.2	1.0
Duplicate	12116	0.503	101.2	1.9
Triplicate	12468	0.517	104.1	0.9

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	0.253	0.250	99.0	97.8	1.2
MeSH	<PQL	0.251	0.241	0.254	96.0	101.2	5.3
DMS	<PQL	0.249	0.263	0.267	105.8	107.4	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.460	90.0
MeSH	0.502	0.460	91.6
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: 7/9/2024
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	10525	0.488	95.5	0.0
Duplicate	10550	0.489	95.7	0.2
Triplicate	10510	0.487	95.4	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9099	0.491	97.8	0.1
Duplicate	9077	0.490	97.5	0.2
Triplicate	9096	0.491	97.8	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12434	0.516	103.8	0.2
Duplicate	12381	0.514	103.4	0.3
Triplicate	12429	0.516	103.8	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	0.245	0.236	95.9	92.4	3.7
MeSH	<PQL	0.251	0.233	0.231	92.8	92.0	0.9
DMS	<PQL	0.249	0.261	0.259	105.0	104.2	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.462	90.4
MeSH	0.502	0.537	107.0
DMS	0.497	0.477	96.0

** 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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241581

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: ELENA MURALLES
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-06	60801	7/8	1228	TEDLAR 1	X					
MS-07	60802		1059		X					
MS-08	60803		1135		X					
MS-09	60804		1147		X					
MS 10	60805		1209		X					
MS 11	60806		1253		X					
MS 12	60807		1128		X					
CHIQUITA UNIT RD	60808		1110		X					
SOND CANADA	60809	↓	1122	↓	X					
SCV	60810	↓	1151	↓	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: Signature:	Date 7/8 Time 1410	**Received By** Print: Signature:	Date 7/8/24 Time 1425
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241581

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
Turnaround Time ☐ Rush 24 h ☐ Same Day ☐ Rush 48 h ☐ 5 Days ☒ Rush 72 h ☐ Normal	**Sampler Name** Print: ELENA MORALES Signature:	**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	60811	7/5	1016	TEDLAR 1	X	
MS-02	60812		0926		X	
MS-03	60813		1237		X	
MS-04	60814		1034		X	
MS-05	60815		1000		X	
EQUIP BLK	60816		1041		X	
FIELD BLK	60817	↓	0947	↓	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 7/8 Time 1426	**Received By** Print: Signature:	Date 7/8/24 Time 1428
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241581

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: Evalun
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS					Lab ID
MS 06	60784	7/8	1228	SUMMA	X					
MS 07	60785		1059		X					
MS-08	60786		1135		X					
MS 09	60787		1147		X					
MS 10	60788		1209		X					
MS-11	60789		1253		X					
MS 12	60790		1128		X					
SCV	60791		1154		X					
Chiquita Canyon Rd	60792		1110		X					
S Endeavor	60793	↓	1122	↓	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: Signature:	**Date** 7/8 **Time** 1426	**Received By** Print: Signature:	**Date** 7/9/24 **Time** 1428	
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**	

Dlc - 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

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: Evalu
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	60794	7/8	1016	Summa 1	X					
MS 02	60795		0926		X					
MS 03	60796		1237		X					
MS 04	60797		1034		X					
MS 05	60798		1000		X					
Working face	60799		0947		X					
Reaction	60800	↓	1041	↓	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: Evalu Signature:	Date 7/8 Time 1426	**Received By** Print: Signature:	Date 7/8/21 Time 1428
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. : 241581
REPORT DATE : 07/10/2024

On July 8, 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	241581-60784	695.0	S End Lincoln	241581-60793	703.0
MS-07	241581-60785	697.0	MS-01	241581-60794	711.0
MS-08	241581-60786	697.0	MS-02	241581-60795	716.0
MS-09	241581-60787	693.0	MS-03	241581-60796	689.0
MS-10	241581-60788	699.5	MS-04	241581-60797	698.0
MS-11	241581-60789	690.5	MS-05	241581-60798	715.0
MS-12	241581-60790	704.0	Working Face	241581-60799	713.5
SCV	241581-60791	705.5	Reaction	241581-60800	686.5
Chiquito Cyn Rd	241581-60792	708.5	--	--	--

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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60784				241581-60785				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.49				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	1.49	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloromethane	0.81		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	13.2		1	7.47	13.6		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	5.20		1	2.99	4.09		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	6.47		1	2.99	5.63		1	2.99	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	2.99	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	1.49	<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	2.99	<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	1.49	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60784				241581-60785				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.49				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	1.49	<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	1.49	<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	1.49	<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		84%				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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60786				241581-60787				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.48				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	1.48	<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	0.74		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	14.5		1	7.39	19.4		1	7.38	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	4.51		1	2.96	5.70		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	6.00		1	2.96	11.5		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<SRL	U	1	2.95	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	1.48	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	2.95	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	1.48	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60786				241581-60787				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.48				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	1.48	<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	1.48	<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	1.48	<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		84%				84%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60788				241581-60789				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.46				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	1.46	<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	0.75		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	16.6		1	7.29	16.8		1	7.40	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	7.32		1	2.92	5.27		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	7.06		1	2.92	6.33		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.96	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	1.48	1.00
Allyl Chloride	<SRL	U	1	1.46	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.92	<SRL	U	1	2.96	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	1.48	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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60788				241581-60789				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.46				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	1.46	<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	1.46	<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	1.46	<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		86%				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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60790				241581-60791				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
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	0.72	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Chloromethane	0.74		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	16.3		1	7.28	16.4		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	5.58		1	2.91	8.72		1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.72	0.50
Acetone	6.65		1	2.91	10.1		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	1.46	<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	2.89	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	1.45	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60790				241581-60791				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
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	0.72	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	1.45	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	1.46	<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	1.46	<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		86%				84%			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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60792				241581-60793				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.45				1.45				
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	1.45	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.72	0.74		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	13.0		1	7.23	14.3		1	7.26	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	7.64		1	2.89	4.04		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	19.6		1	2.89	6.79		1	2.90	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	2.90	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	1.45	<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	2.89	<SRL	U	1	2.90	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	1.45	<SRL	U	1	1.45	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60792				241581-60793				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.45				1.45				
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	1.45	<SRL	U	1	1.45	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	1.45	<SRL	U	1	1.45	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	1.45	<SRL	U	1	1.45	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		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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60794				241581-60795				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.45				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	1.45	<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	20.5		1	7.24	20.4		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	15.7		1	2.90	10.5		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	7.08		1	2.90	7.94		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<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	1.45	<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	2.90	<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	1.45	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60794				241581-60795				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.45				1.46				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
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	1.45	<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	1.45	<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	1.45	<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		86%				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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60796				241581-60797				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
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	<SRL	U	1	0.74	0.77		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	14.2		1	7.45	22.3		1	7.44	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	10.00		1	2.98	79.3		1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	6.75		1	2.98	11.0		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	3.44		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	2.98	<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	3.33		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	0.94		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	2.96		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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL)	MS-04			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241581-60796				241581-60797				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.49				1.49				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.74	1.22		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	0.79		1	0.74	0.50
Heptane	<SRL	U	1	0.74	0.86		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	1.59		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		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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL)	Working Face			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241581-60798				241581-60799				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.47				1.45				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.74	0.72		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	16.7		1	7.37	19.9		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	6.84		1	2.95	18.4		1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Acetone	7.18		1	2.95	8.95		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	1.47	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.47	<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	1.47	<SRL	U	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	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60798				241581-60799				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/09/2024				07/09/2024				
Can Dilution Factor	1.47				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	1.47	<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	1.47	<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	1.47	<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		86%				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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60800				
Date Sampled	07/08/2024				
Date Analyzed	07/09/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	0.50
Propene	70.9		1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	0.50
Chloromethane	0.80		1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.75	0.50
Methanol	298		1	7.53	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	143		1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.75	0.50
Acetone	133		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	31.9		1	3.01	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	3.01	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)	107		1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	0.50
Hexane	1.42		1	0.75	0.50
Chloroform	<SRL	U	1	0.75	0.50
Ethyl Acetate	2.79		1	0.75	0.50
Tetrahydrofuran	168		5	3.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	0.50
Benzene	137		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 : 241581
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60800				
Date Sampled	07/08/2024				
Date Analyzed	07/09/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	0.50
Cyclohexane	1.15		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	1.73		1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	8.08		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	15.3		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	9.83		1	0.75	0.50
m & p-Xylene	9.40		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	4.08		1	0.75	0.50
4-Ethyltoluene	2.68		1	0.75	0.50
1,3,5-Trimethylbenzene	0.99		1	0.75	0.50
1,2,4-Trimethylbenzene	3.07		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		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
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241581
MATRIX : AIR

DATE RECEIVED : 07/08/2024
DATE REPORTED : 07/10/2024
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	241581-60784	07/08/2024	07/09/2024	<SRL	U	1.49	1.0	84%
MS-07	241581-60785	07/08/2024	07/09/2024	<SRL	U	1.49	1.0	85%
MS-08	241581-60786	07/08/2024	07/09/2024	<SRL	U	1.48	1.0	84%
MS-09	241581-60787	07/08/2024	07/09/2024	<SRL	U	1.48	1.0	84%
MS-10	241581-60788	07/08/2024	07/09/2024	<SRL	U	1.46	1.0	86%
MS-11	241581-60789	07/08/2024	07/09/2024	<SRL	U	1.48	1.0	85%
MS-12	241581-60790	07/08/2024	07/09/2024	<SRL	U	1.46	1.0	86%
SCV	241581-60791	07/08/2024	07/09/2024	<SRL	U	1.45	1.0	84%
Chiquito Cyn Rd	241581-60792	07/08/2024	07/09/2024	<SRL	U	1.45	1.0	86%
S End Lincoln	241581-60793	07/08/2024	07/09/2024	<SRL	U	1.45	1.0	86%
MS-01	241581-60794	07/08/2024	07/09/2024	<SRL	U	1.45	1.0	86%
MS-02	241581-60795	07/08/2024	07/09/2024	<SRL	U	1.46	1.0	87%
MS-03	241581-60796	07/08/2024	07/09/2024	<SRL	U	1.49	1.0	86%
MS-04	241581-60797	07/08/2024	07/09/2024	<SRL	U	1.49	1.0	86%
MS-05	241581-60798	07/08/2024	07/09/2024	<SRL	U	1.47	1.0	86%
Working Face	241581-60799	07/08/2024	07/09/2024	<SRL	U	1.45	1.0	85%
Reaction	241581-60800	07/08/2024	07/09/2024	52.3		1.51	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.

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

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/09/2024
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	9.37	100
Chlorodifluoromethane	10.20	11.86	116
Propene	10.70	11.71	109
Dichlorodifluoromethane	10.40	11.54	111
Dimethyl Ether	10.40	11.92	115
Chloromethane	10.50	11.52	110
Dichlorotetrafluoroethane	10.20	10.13	99
Vinyl Chloride	10.60	11.47	108
Acetaldehyde	20.40	26.50	130
Methanol	22.30	22.20	100
1,3-Butadiene	10.70	12.26	115
Bromomethane	10.40	10.66	103
Chloroethane	10.40	10.02	96
Dichlorofluoromethane	10.30	11.21	109
Ethanol	11.40	12.71	111
Vinyl Bromide	10.60	10.16	96
Acrolein	10.90	11.90	109
Acetone	10.60	11.31	107
Trichlorofluoromethane	10.50	10.71	102
2-Propanol (IPA)	11.00	12.78	116
Acrylonitrile	10.90	11.87	109
1,1-Dichloroethene	10.50	10.76	102
Methylene Chloride (DCM)	10.40	10.67	103
TertButanol (TBA)	11.20	12.21	109
Allyl Chloride	10.70	11.34	106
Carbon Disulfide	10.50	12.09	115
Trichlorotrifluoroethane	10.30	10.44	101
trans-1,2-Dichloroethene	10.80	11.40	106
1,1-Dichloroethane	10.70	11.76	110
Methyl Tert Butyl Ether (MTBE)	10.70	10.95	102
Vinyl Acetate	11.00	13.23	120
2-Butanone (MEK)	10.70	11.16	104
cis-1,2-Dichloroethene	10.70	11.14	104
Hexane	10.80	11.01	102
Chloroform	10.70	11.24	105
Ethyl Acetate	10.70	12.13	113
Tetrahydrofuran	10.40	10.57	102
1,2-Dichloroethane	10.60	11.68	110
1,1,1-Trichloroethane	10.50	10.86	103
Benzene	10.70	10.98	103
Carbon Tetrachloride	10.30	10.30	100
Cyclohexane	10.50	10.59	101

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.14	104
Bromodichloromethane	10.50	10.92	104
1,4-Dioxane	10.50	10.35	99
Trichloroethene (TCE)	10.50	9.80	93
2,2,4-Trimethylpentane	10.60	11.10	105
Methyl Methacrylate	11.00	11.37	103
Heptane	10.50	11.10	106
cis-1,3-Dichloropropene	10.50	10.46	100
4-Methyl-2-pentanone (MiBK)	10.50	11.20	107
trans-1,3-Dichloropropene	10.60	10.89	103
1,1,2-Trichloroethane	10.60	10.31	97
Toluene	10.80	10.26	95
2-Hexanone (MBK)	10.50	11.38	108
Dibromochloromethane	10.60	10.19	96
1,2-Dibromoethane	10.60	9.98	94
Tetrachloroethene (PCE)	10.50	8.97	85
Chlorobenzene	10.80	10.31	95
Ethylbenzene	10.60	10.91	103
m & p-Xylene	21.20	20.26	96
Bromoform	10.60	10.33	97
Styrene	10.60	10.88	103
1,1,2,2-Tetrachloroethane	10.60	10.44	98
o-Xylene	10.60	10.81	102
1,2,3-Trichloropropane	10.60	11.18	105
Isopropylbenzene (Cumene)	10.60	10.28	97
α-Pinene	10.10	10.27	102
2-Chlorotoluene	10.70	10.11	94
n-Propylbenzene	10.60	9.85	93
4-Ethyltoluene	10.40	9.96	96
1,3,5-Trimethylbenzene	10.30	9.87	96
β-Pinene LR	10.90	4.87	45
1,2,4-Trimethylbenzene	10.30	9.92	96
Benzyl Chloride (a-Chlorotoluene)	10.30	8.05	78
1,3-Dichlorobenzene	10.30	9.83	95
1,4-Dichlorobenzene	10.20	9.73	95
Sec-ButylBenzene	10.70	9.82	92
1,2-Dichlorobenzene	10.40	9.75	94
n-ButylBenzene	10.60	8.95	84
1,2-Dibromo-3-Chloropropane	10.30	9.05	88
1,2,4-Trichlorobenzene	10.50	10.56	101
Naphthalene	10.90	13.34	122
Hexachlorobutadiene	10.80	8.88	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 : 07/09/2024
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	9.37	8.73	100	93	7.1
1,1-Dichloroethene	0.0	10.50	10.76	10.83	102	103	0.6
Methylene Chloride (DCM)	0.0	10.40	10.67	10.90	103	105	2.1
Benzene	0.0	10.70	10.98	11.14	103	104	1.4
Trichloroethene (TCE)	0.0	10.50	9.80	9.93	93	95	1.3
Toluene	0.0	10.80	10.26	10.56	95	98	2.9
Tetrachloroethene (PCE)	0.0	10.50	8.97	9.21	85	88	2.6
Chlorobenzene	0.0	10.80	10.31	9.58	95	89	7.3
Ethylbenzene	0.0	10.60	10.91	10.40	103	98	4.8
m & p-Xylene	0.0	21.20	20.26	19.22	96	91	5.3
o-Xylene	0.0	10.60	10.81	10.24	102	97	5.4

[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 : 07/09/2024
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 070924*	*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 070924*	*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 : 07/09/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.51

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241581-60800

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.50	8.38	1.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	70.9	68.1	4.1
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	96.0	92.2	4.0
Chloromethane	0.80	0.77	3.8
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	28.3	29.9	5.3
Methanol	298	287	3.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	143	138	3.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	133	129	3.6
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	31.9	30.9	3.1
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	4.40	4.29	2.4
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)	107	105	2.4
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	1.42	1.34	5.5
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	2.79	2.50	10.8
Tetrahydrofuran E	181	177	2.2
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	137	139	1.2
Carbon Tetrachloride	<SRL	<SRL	*NA*
Cyclohexane	1.15	1.12	2.7

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	<SRL	<SRL	*NA*
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane J	1.07	1.07	0.0
Trichloroethene (TCE)	<SRL	<SRL	*NA*
2,2,4-Trimethylpentane	<SRL	<SRL	*NA*
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	1.73	1.70	1.8
cis-1,3-Dichloropropene	<SRL	<SRL	*NA*
4-Methyl-2-pentanone (MiBK)	8.08	7.66	5.4
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	15.3	15.3	0.1
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	9.83	9.84	0.2
m & p-Xylene	9.40	9.28	1.3
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	4.08	4.10	0.4
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	3.33	3.33	0.0
α-Pinene	7.88	7.73	1.9
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	0.78	0.75	3.9
4-Ethyltoluene	2.68	2.71	1.1
1,3,5-Trimethylbenzene	0.99	0.93	6.3
β-Pinene	0.99	0.98	1.5
1,2,4-Trimethylbenzene	3.07	3.04	1.0
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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

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241581

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: Eva Lun
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 USE ONLY: Lab ID
MS06	60784	7/8	1228	Summa 1	X					
MS-07	60785		1059		X					
MS-08	60786		1135		X					
MS-09	60787		1147		X					
MS-10	60788		1209		X					
MS-11	60789		1253		X					
MS-12	60790		1128		X					
SCN	60791		1154		X					
Chiquita Cyn Rd	60792		1110		X					
S Endeavor	60793	↓	1122	↓	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: Signature:	Date 7/8 Time 1420	**Received By** Print: Signature:	Date 7/8/24 Time 1426	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

D/O - 17x cans

241581

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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: Evalu
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS				
MS 01	60794	7/8	1016	Summa 1	X				
MS 02	60795		0926		X				
MS 03	60796		1237		X				
MS 04	60797		1034		X				
MS 05	60798		1000		X				
Working Face	60799		0947		X				
Reaction	60800	↓	1041	↓	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: Evalu Signature:	**Date** 7/8 Time 1426	**Received By** Print: Signature:	**Date** 7/8/24 Time 1428
Relinquished By Print: Signature:	**Date** Time	**Received By** Print: Signature:	**Date** Time

2415581

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: ELENA MIRALLES
Signature: Elen

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	60801	7/8	1228	TEDLAR 1	X				
MS-07	60802		1059		X				
MS-08	60803		1135		X				
MS-09	60804		1147		X				
MS 10	60805		1209		X				
MS 11	60806		1253		X				
MS 12	60807		1128		X				
CHIQUITA CNY RD	60808		1110		X				
S.END LINCOLN	60809		1122		X				
SCV	60810		1154		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 Print: Signature:	Date 7/8 Time 1426	**Received By** Print: Signature:	Date 7/8/24 Time 1426
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241581

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: ELENA MIRALLES
Signature: Elena

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-01	60811	7/8	1016	~~TEDLAR~~ 1	X				
MS-02	60812		0926		X				
MS-03	60813		1237		X				
MS-04	60814		1034		X				
MS-05	60815		1000		X				
REACTION	60816		1041		X				
WORKING FACE	60817	↓	0947	↓	X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Signature:	Date 7/8 Time 1426	**Received By** Print: Signature:	Date 7/8/21 Time 1428
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.	: 241636
REPORT DATE	: 07/18/2024

On July 15, 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	241636-61057	654.9	S End Lincoln	241636-61066	684.7
MS-07	241636-61058	680.4	MS-01	241636-61067	621.6
MS-08	241636-61059	668.8	MS-02	241636-61068	691.9
MS-09	241636-61060	684.5	MS-03	241636-61069	689.4
MS-10	241636-61061	692.6	MS-04	241636-61070	670.9
MS-11	241636-61062	687.8	MS-05	241636-61071	687.6
MS-12	241636-61063	611.6	Reaction	241636-61072	653.9
SCV	241636-61064	665.8	Working Face	241636-61073	686.8
Chiquito Cyn Rd	241636-61065	688.2	--	--	--

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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61057				241636-61058				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.55				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Methanol	<SRL	U	1	7.76	9.75		1	7.51	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Ethanol	3.62		1	3.10	3.26		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Acetone	10.5		1	3.10	6.20		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.10	<SRL	U	1	3.00	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.10	<SRL	U	1	3.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.78	<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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61057				241636-61058				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.55				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.55	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61059				241636-61060				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.52				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.76	0.77		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.59	11.1		1	7.43	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.04	4.19		1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Acetone	5.25		1	3.04	12.3		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	2.97	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	2.97	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.76	<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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61059				241636-61060				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.52				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.76	1.58		1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61061				241636-61062				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
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	0.75		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	9.48		1	7.37	12.8		1	7.40	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	6.27		1	2.95	6.13		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	7.24		1	2.95	13.7		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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61061				241636-61062				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
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		87%				84%			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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61063				241636-61064				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.68				1.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Dichlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.84	0.78		1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Methanol	8.63		1	8.38	7.74		1	7.63	5.00
1,3-Butadiene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Ethanol	38.0		1	3.35	3.39		1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Acetone	5.23		1	3.35	15.1		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.35	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Allyl Chloride	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Carbon Disulfide	<SRL	U	1	3.35	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61063				241636-61064				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.68				1.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Trichloroethene (TCE)	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Dibromochloromethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.68	<SRL	U	1	1.53	1.00
Bromoform	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.84	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		87%				84%			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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61065				241636-61066				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
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	0.75	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Chloromethane	0.88		1	0.74	0.76		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	7.66		1	7.44	10.1		1	7.47	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	3.44		1	2.98	3.90		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	4.88		1	2.98	5.35		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	2.99	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	1.49	<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	2.98	<SRL	U	1	2.99	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	1.49	<SRL	U	1	1.49	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61065				241636-61066				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
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	0.75	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	1.49	<SRL	U	1	1.49	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	1.49	<SRL	U	1	1.49	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	1.49	<SRL	U	1	1.49	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		89%				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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61067				241636-61068				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.65				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.83	0.75		1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Methanol	9.07		1	8.26	7.82		1	7.38	5.00
1,3-Butadiene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Ethanol	5.04		1	3.31	3.98		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Acetone	6.83		1	3.31	6.26		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.31	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	3.31	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.83	<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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61067				241636-61068				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.65				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.65	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.83	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.83	<SRL	U	1	0.74	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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61069				241636-61070				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.47				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloromethane	0.84		1	0.74	0.81		1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methanol	7.83		1	7.37	10.6		1	7.61	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethanol	3.02		1	2.95	7.92		1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Acetone	5.60		1	2.95	6.26		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61069				241636-61070				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.47				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61071				241636-61072				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.48				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.48	5.93		1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Methanol	9.84		1	7.40	74.8		1	7.82	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Ethanol	4.36		1	2.96	23.9		1	3.13	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Acetone	6.38		1	2.96	16.8		1	3.13	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	6.57		1	3.13	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	3.13	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	7.81		1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.74	15.0		1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.74	7.93		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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61071				241636-61072				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/16/2024				07/16/2024				
Can Dilution Factor	1.48				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	0.91		1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.74	1.13		1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.74	0.81		1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61073				
Date Sampled	07/15/2024				
Date Analyzed	07/16/2024				
Can Dilution Factor	1.48				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.48	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	8.75		1	7.39	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	5.65		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	0.50
Acetone	7.09		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	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)	<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 : 241636
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61073				
Date Sampled	07/15/2024				
Date Analyzed	07/16/2024				
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		87%			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 : 241636
MATRIX : AIR

DATE RECEIVED : 07/15/2024
DATE REPORTED : 07/18/2024
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	241636-61057	07/15/2024	07/16/2024	<SRL	U	1.55	1.0	86%
MS-07	241636-61058	07/15/2024	07/16/2024	<SRL	U	1.50	1.0	85%
MS-08	241636-61059	07/15/2024	07/16/2024	<SRL	U	1.52	1.0	86%
MS-09	241636-61060	07/15/2024	07/16/2024	<SRL	U	1.49	1.0	85%
MS-10	241636-61061	07/15/2024	07/16/2024	<SRL	U	1.47	1.0	87%
MS-11	241636-61062	07/15/2024	07/16/2024	<SRL	U	1.48	1.0	84%
MS-12	241636-61063	07/15/2024	07/16/2024	<SRL	U	1.68	1.0	87%
SCV	241636-61064	07/15/2024	07/16/2024	<SRL	U	1.53	1.0	84%
Chiquito Cyn Rd	241636-61065	07/15/2024	07/16/2024	<SRL	U	1.49	1.0	89%
S End Lincoln	241636-61066	07/15/2024	07/16/2024	<SRL	U	1.49	1.0	85%
MS-01	241636-61067	07/15/2024	07/16/2024	<SRL	U	1.65	1.0	87%
MS-02	241636-61068	07/15/2024	07/16/2024	<SRL	U	1.48	1.0	86%
MS-03	241636-61069	07/15/2024	07/16/2024	<SRL	U	1.47	1.0	86%
MS-04	241636-61070	07/15/2024	07/16/2024	<SRL	U	1.52	1.0	89%
MS-05	241636-61071	07/15/2024	07/16/2024	<SRL	U	1.48	1.0	86%
Reaction	241636-61072	07/15/2024	07/16/2024	5.70		1.56	1.0	89%
Working Face	241636-61073	07/15/2024	07/16/2024	<SRL	U	1.48	1.0	87%

* 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 : 07/16/2024
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	8.75	93
Chlorodifluoromethane	10.20	12.80	125
Propene	10.70	13.23	124
Dichlorodifluoromethane	10.40	12.11	116
Dimethyl Ether	10.40	12.59	121
Chloromethane	10.50	12.47	119
Dichlorotetrafluoroethane	10.20	10.20	100
Vinyl Chloride	10.60	12.61	119
Acetaldehyde	20.40	25.38	124
Methanol	22.30	22.43	101
1,3-Butadiene	10.70	13.44	126
Bromomethane	10.40	11.03	106
Chloroethane	10.40	10.30	99
Dichlorofluoromethane	10.30	11.72	114
Ethanol	11.40	13.57	119
Vinyl Bromide	10.60	10.35	98
Acrolein	10.90	13.37	123
Acetone	10.60	11.98	113
Trichlorofluoromethane	10.50	11.20	107
2-Propanol (IPA)	11.00	13.13	119
Acrylonitrile	10.90	12.56	115
1,1-Dichloroethene	10.50	11.25	107
Methylene Chloride (DCM)	10.40	11.02	106
TertButanol (TBA)	11.20	13.11	117
Allyl Chloride	10.70	11.72	110
Carbon Disulfide	10.50	11.88	113
Trichlorotrifluoroethane	10.30	10.68	104
trans-1,2-Dichloroethene	10.80	11.60	107
1,1-Dichloroethane	10.70	12.30	115
Methyl Tert Butyl Ether (MTBE)	10.70	11.42	107
Vinyl Acetate	11.00	14.09	128
2-Butanone (MEK)	10.70	11.55	108
cis-1,2-Dichloroethene	10.70	11.19	105
Hexane	10.80	10.81	100
Chloroform	10.70	11.74	110
Ethyl Acetate	10.70	13.41	125
Tetrahydrofuran	10.40	11.27	108
1,2-Dichloroethane	10.60	12.40	117
1,1,1-Trichloroethane	10.50	11.30	108
Benzene	10.70	11.35	106
Carbon Tetrachloride	10.30	10.76	104
Cyclohexane	10.50	10.94	104

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.52	108
Bromodichloromethane	10.50	11.23	107
1,4-Dioxane	10.50	10.40	99
Trichloroethene (TCE)	10.50	9.91	94
2,2,4-Trimethylpentane	10.60	11.62	110
Methyl Methacrylate	11.00	11.83	108
Heptane	10.50	11.50	110
cis-1,3-Dichloropropene	10.50	10.78	103
4-Methyl-2-pentanone (MiBK)	10.50	11.82	113
trans-1,3-Dichloropropene	10.60	10.32	97
1,1,2-Trichloroethane	10.60	10.40	98
Toluene	10.80	10.48	97
2-Hexanone (MBK)	10.50	11.97	114
Dibromochloromethane	10.60	10.38	98
1,2-Dibromoethane	10.60	10.20	96
Tetrachloroethene (PCE)	10.50	9.04	86
Chlorobenzene	10.80	9.86	91
Ethylbenzene	10.60	10.61	100
m & p-Xylene	21.20	19.63	93
Bromoform	10.60	9.83	93
Styrene	10.60	10.38	98
1,1,2,2-Tetrachloroethane	10.60	10.26	97
o-Xylene	10.60	10.55	100
1,2,3-Trichloropropane	10.60	10.69	101
Isopropylbenzene (Cumene)	10.60	9.91	93
α-Pinene	10.10	8.50	84
2-Chlorotoluene	10.70	9.79	91
n-Propylbenzene	10.60	9.49	90
4-Ethyltoluene	10.40	9.65	93
1,3,5-Trimethylbenzene	10.30	9.43	92
β-Pinene LR	10.90	3.88	36
1,2,4-Trimethylbenzene	10.30	9.55	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.34	71
1,3-Dichlorobenzene	10.30	9.30	90
1,4-Dichlorobenzene	10.20	9.28	91
Sec-ButylBenzene	10.70	9.52	89
1,2-Dichlorobenzene	10.40	9.54	92
n-ButylBenzene	10.60	8.60	81
1,2-Dibromo-3-Chloropropane	10.30	8.68	84
1,2,4-Trichlorobenzene	10.50	10.55	100
Naphthalene	10.90	13.55	124
Hexachlorobutadiene	10.80	8.40	78

[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 : 07/16/2024
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	8.75	8.74	93	93	0.1
1,1-Dichloroethene	0.0	10.50	11.25	11.24	107	107	0.1
Methylene Chloride (DCM)	0.0	10.40	11.02	10.84	106	104	1.6
Benzene	0.0	10.70	11.35	11.10	106	104	2.2
Trichloroethene (TCE)	0.0	10.50	9.91	9.74	94	93	1.7
Toluene	0.0	10.80	10.48	10.69	97	99	2.0
Tetrachloroethene (PCE)	0.0	10.50	9.04	9.12	86	87	0.9
Chlorobenzene	0.0	10.80	9.86	9.85	91	91	0.1
Ethylbenzene	0.0	10.60	10.61	10.57	100	100	0.4
m & p-Xylene	0.0	21.20	19.63	19.40	93	92	1.2
o-Xylene	0.0	10.60	10.55	10.56	100	100	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 : 07/16/2024
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 071624*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	86%	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 071624*	*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 : 07/16/2024
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: 241636-61073

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.15	8.15	0.0
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	<SRL	<SRL	*NA*
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	1.20	1.17	2.5
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	<SRL	<SRL	*NA*
Methanol	8.75	8.84	1.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	5.65	5.50	2.7
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	7.09	7.06	0.4
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)

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241636

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	61057	7/15	1439	Summa 1	X					
MS-07	61058		1335		X					
MS-08	61059		1400		X					
MS-09	61060		1409		X					
MS-10	61061		1425		X					
MS-11	61062		1150		X					
MS-12	61063		1353		X					
SCV	61064		1416		X					
Chiquita Lynked	61065		1348		X					
S-Endlincoln	61066	↓	1347	↓	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 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/21 Time 1621	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241636

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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				
MS01	61067	7/15	1251	SUMMA	X				
MS02	61068		1214		X				
MS03	61069		1448		X				
MS04	61070		1310		X				
MS05	61071		1236		X				
Reaction	61072		1318		X				
Working Face	61073	↓	1223	↓	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 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/24 Time 16:42
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241636

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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	61074	7/15	1439	Tedlar 1	X					
MS-07	61075		1335		X					
MS-08	61076		1400		X					
MS-09	61077		1409		X					
MS-10	61078		1425		X					
MS-11	61079		1150		X					
MS-12	61080		1353		X					
SCV	61081		~~1346~~ 1416		X					
S. End Lincoln	61082		1348		X					
Chiquita Canyon	61083	↓	1342	↓	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 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/24 Time 1622	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241636

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 ID
MS 01	61084	7/15	1251	Tedlar	X					
MS 02	61085		1214		X					
MS 03	61086		1448		X					
MS 04	61087		1310		X					
MS 05	61088		1236		X					
Reaction	61089		1318		X					
Working Face	61090		1223		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 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/21 Time 1620
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.	:	241636
REPORT DATE	:	07/18/2024

On July 15th 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	241636-61074	Chiquita Cyn Rd	241636-61083
MS-07	241636-61075	MS-01	241636-61084
MS-08	241636-61076	MS-02	241636-61085
MS-09	241636-61077	MS-03	241636-61086
MS-10	241636-61078	MS-04	241636-61087
MS-11	241636-61079	MS-05	241636-61088
MS-12	241636-61080	Reaction	241636-61089
SCV	241636-61081	Working Face	241636-61090
S End Lincoln	241636-61082	-	-

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 11 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241636
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2024
RECEIVING DATE : 07/15/2024
ANALYSIS DATE : 07/15-16/2024
REPORT DATE : 07/18/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241636-61074	241636-61075	241636-61076	241636-61077	241636-61078	241636-61079
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.008**	< 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	**0.008**	< 0.005	< 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. : 241636
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2024
RECEIVING DATE : 07/15/2024
ANALYSIS DATE : 07/16/2024
REPORT DATE : 07/18/2024

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	241636-61080	241636-61081	241636-61082	241636-61083	241636-61084	241636-61085
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

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241636
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15/2024
RECEIVING DATE : 07/15/2024
ANALYSIS DATE : 07/16/2024
REPORT DATE : 07/18/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241636-61086	241636-61087	241636-61088	241636-61089	241636-61090
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	**0.090**
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	**0.018**	< 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	**0.018**	< 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: 7/15/2024
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	11481	0.532	104.2	0.2
Duplicate	11438	0.530	103.8	0.2
Triplicate	11473	0.532	104.1	0.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9198	0.496	98.8	2.4
Duplicate	9560	0.516	102.7	1.4
Triplicate	9515	0.513	102.2	1.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12555	0.521	104.8	0.7
Duplicate	12415	0.515	103.7	0.4
Triplicate	12423	0.515	103.7	0.3

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	0.268	0.270	104.9	105.7	0.7
MeSH	<PQL	0.251	0.263	0.264	104.8	105.2	0.4
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	0.545	106.7
MeSH	0.502	0.538	107.2
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

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/16/2024
Analyst: KM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11237	493	96.5	0.4
Duplicate	11255	493	96.7	0.3
Triplicate	11371	499	97.7	0.7

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	10157	501	99.9	0.0
Duplicate	10147	501	99.8	0.1
Triplicate	10175	502	100.0	0.2

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	15284	520	104.6	1.7
Duplicate	14845	505	101.6	1.2
Triplicate	14940	508	102.3	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241636-61076**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 241636-61076 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	254.6	243.4	99.7	95.4	4.5
MeSH	<PQL	250.9	251.1	238.4	100.1	95.0	5.2
DMS	<PQL	248.5	269.8	266.1	108.6	107.1	1.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	512.0	100.3
MeSH	501.8	542.0	108.0
DMS	497.0	540.0	108.7

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/16/2024
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	11251	0.522	102.1	3.3
Duplicate	10843	0.503	98.4	0.5
Triplicate	10587	0.491	96.1	2.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9760	0.527	104.9	2.5
Duplicate	9362	0.505	100.6	1.7
Triplicate	9456	0.510	101.6	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12472	0.518	104.1	2.1
Duplicate	12508	0.519	104.4	2.4
Triplicate	11672	0.484	97.5	4.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241636-61083**

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 **241636-61083 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.247	0.236	96.7	92.4	4.6
MeSH	<PQL	0.251	0.243	0.234	96.8	93.2	3.8
DMS	<PQL	0.249	0.262	0.252	105.4	101.4	3.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.484	94.7
MeSH	0.502	0.484	96.4
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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Atmospheric Analysis and Consulting · Phone: 805-650-1642 · Email: info@aaclab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

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

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS
MS-01	61067	7/15	1251	SUMMA	X
MS-02	61068		1214		X
MS-03	61069		1448		X
MS-04	61070		1310		X
MS-05	61071		1236		X
Reaction	61072		1318		X
Working Face	61073	↓	1223	↓	X

Client Notes/Special Instructions:

AAC Project No.:

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

Send Invoice To (Name/Email/Address)

PO Number

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

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/21 Time 1642
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	61074	7/15	1439	Tedlar 1	X				
MS-07	61075		1335		X				
MS-08	61076		1400		X				
MS-09	61077		1409		X				
MS-10	61078		1425		X				
MS-11	61079		1150		X				
MS-12	61080		1353		X				
SCV	61081		~~1346~~ 1446		X				
S End Lincoln	61082		1348		X				
Chiquita Canyon	61083		1342		X				

LAB USE ONLY

Lab ID	Sample Received Via:
	☐ FedEx
	☐ UPS
	☐ Courier
	☐ Other
	Temperature: ____ °C
	Thermometer ID:
	Initials:
	Received Short:
	Total cans:
	Unused Cans:
	Flow Controllers:

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/24 Time 1622
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241636

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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	61084	7/15	1251	Tedlar	X
MS 02	61085		1214		X
MS 03	61086		1448		X
MS 04	61087		1310		X
MS 05	61088		1236		X
Reaction	61089		1318		X
Working Face	61090		1223		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 Print: Armando Hurtado Signature:	Date 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/21 Time 1620
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241636

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

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:

AAC Project No.:

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	61057	7/15	1439	Summa 1	X				
MS-07	61058		1335		X				
MS-08	61059		1400		X				
MS-09	61060		1409		X				
MS-10	61061		1425		X				
MS-11	61062		1150		X				
MS-12	61063		1353		X				
SAV	61064		1416		X				
Chiquita Canyon	61065		1348		X				
S-Endeavor	61066		1342		X				

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY
Lab ID
Sample Received Via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature: °C
Thermometer ID:
Initials:
Received Time:
Total Cans:
Unused Cans:
Flow Controllers:
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 7/15 Time 1620	**Received By** Print: Signature:	Date 7/15/21 Time 1642
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.	: 241694
REPORT DATE	: 07/24/2024

On July 22, 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	241694-61341	825.0	S End Lincoln	241694-61350	598.0
MS-07	241694-61342	575.5	MS-01	241694-61351	577.5
MS-08	241694-61343	579.5	MS-02	241694-61352	506.5
MS-09	241694-61344	583.5	MS-03	241694-61353	576.5
MS-10	241694-61345	573.0	MS-04	241694-61354	561.0
MS-11	241694-61346	566.0	MS-05	241694-61355	575.5
MS-12	241694-61347	480.0	Reaction	241694-61356	582.0
SCV	241694-61348	564.0	Working Face	241694-61357	578.0
Chiquito Cyn Rd	241694-61349	579.0	--	--	--

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.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61341				241694-61342				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.23				1.77				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Propene	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Dichlorodifluoromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Chloromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Vinyl Chloride	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Methanol	9.64		1	6.15	14.2		1	8.83	5.00
1,3-Butadiene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Bromomethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Chloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Dichlorofluoromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Ethanol	4.31		1	2.46	5.35		1	3.53	2.00
Vinyl Bromide	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Acetone	4.68		1	2.46	6.96		1	3.53	2.00
Trichlorofluoromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
2-Propanol (IPA)	<SRL	U	1	2.46	<SRL	U	1	3.53	2.00
Acrylonitrile	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,1-Dichloroethene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Allyl Chloride	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Carbon Disulfide	<SRL	U	1	2.46	<SRL	U	1	3.53	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,1-Dichloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Vinyl Acetate	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
2-Butanone (MEK)	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Hexane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Chloroform	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Ethyl Acetate	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Tetrahydrofuran	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2-Dichloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Benzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61341				241694-61342				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.23				1.77				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Cyclohexane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2-Dichloropropane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Bromodichloromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,4-Dioxane	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Trichloroethene (TCE)	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Heptane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Toluene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
2-Hexanone (MBK)	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Dibromochloromethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2-Dibromoethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Chlorobenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Ethylbenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
m & p-Xylene	<SRL	U	1	1.23	<SRL	U	1	1.77	1.00
Bromoform	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Styrene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
o-Xylene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
4-Ethyltoluene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.62	<SRL	U	1	0.88	0.50
Hexachlorobutadiene	<SRL	U	1	0.62	<SRL	U	1	0.88	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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61343				241694-61344				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.74				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Propene	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Chloromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Vinyl Chloride	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Methanol	12.0		1	8.78	12.6		1	8.70	5.00
1,3-Butadiene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Bromomethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Chloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Ethanol	3.90		1	3.51	3.72		1	3.48	2.00
Vinyl Bromide	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Acetone	5.79		1	3.51	7.41		1	3.48	2.00
Trichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
2-Propanol (IPA)	<SRL	U	1	3.51	<SRL	U	1	3.48	2.00
Acrylonitrile	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Allyl Chloride	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Carbon Disulfide	<SRL	U	1	3.51	<SRL	U	1	3.48	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Vinyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
2-Butanone (MEK)	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Hexane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Chloroform	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Ethyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Tetrahydrofuran	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Benzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61343				241694-61344				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.74				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Cyclohexane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Bromodichloromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,4-Dioxane	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Heptane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Toluene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
2-Hexanone (MBK)	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Dibromochloromethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Chlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Ethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
m & p-Xylene	<SRL	U	1	1.76	<SRL	U	1	1.74	1.00
Bromoform	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Styrene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
o-Xylene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
4-Ethyltoluene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	<SRL	U	1	0.87	0.50
BFB-Surrogate Std. % Recovery		87%				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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61345				241694-61346				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.84				1.80				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Propene	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Dichlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Chloromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Vinyl Chloride	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Methanol	15.4		1	9.22	18.5		1	9.02	5.00
1,3-Butadiene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Bromomethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Chloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Dichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Ethanol	5.31		1	3.69	4.57		1	3.61	2.00
Vinyl Bromide	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Acetone	7.45		1	3.69	8.01		1	3.61	2.00
Trichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
2-Propanol (IPA)	<SRL	U	1	3.69	<SRL	U	1	3.61	2.00
Acrylonitrile	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,1-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Allyl Chloride	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Carbon Disulfide	<SRL	U	1	3.69	<SRL	U	1	3.61	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,1-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Vinyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
2-Butanone (MEK)	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Hexane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Chloroform	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Ethyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Tetrahydrofuran	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Benzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61345				241694-61346				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.84				1.80				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Cyclohexane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2-Dichloropropane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Bromodichloromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,4-Dioxane	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Trichloroethene (TCE)	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Heptane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Toluene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
2-Hexanone (MBK)	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Dibromochloromethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2-Dibromoethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Chlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Ethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
m & p-Xylene	<SRL	U	1	1.84	<SRL	U	1	1.80	1.00
Bromoform	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Styrene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
o-Xylene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
4-Ethyltoluene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
Hexachlorobutadiene	<SRL	U	1	0.92	<SRL	U	1	0.90	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61347				241694-61348				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	2.15				1.81				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Propene	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Dichlorodifluoromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Chloromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Vinyl Chloride	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Methanol	<SRL	U	1	10.7	10.8		1	9.06	5.00
1,3-Butadiene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Bromomethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Chloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Dichlorofluoromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Ethanol	<SRL	U	1	4.30	5.13		1	3.62	2.00
Vinyl Bromide	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Acetone	6.79		1	4.30	15.7		1	3.62	2.00
Trichlorofluoromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
2-Propanol (IPA)	<SRL	U	1	4.30	<SRL	U	1	3.62	2.00
Acrylonitrile	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,1-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Allyl Chloride	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Carbon Disulfide	<SRL	U	1	4.30	<SRL	U	1	3.62	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,1-Dichloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Vinyl Acetate	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
2-Butanone (MEK)	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Hexane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Chloroform	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Ethyl Acetate	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Tetrahydrofuran	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2-Dichloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Benzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61347				241694-61348				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	2.15				1.81				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Cyclohexane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2-Dichloropropane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Bromodichloromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,4-Dioxane	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Trichloroethene (TCE)	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Heptane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Toluene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
2-Hexanone (MBK)	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Dibromochloromethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2-Dibromoethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Chlorobenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Ethylbenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
m & p-Xylene	<SRL	U	1	2.15	<SRL	U	1	1.81	1.00
Bromoform	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Styrene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
o-Xylene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
4-Ethyltoluene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
Hexachlorobutadiene	<SRL	U	1	1.07	<SRL	U	1	0.91	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61349				241694-61350				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.69				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Chloromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Methanol	12.6		1	8.81	13.2		1	8.45	5.00
1,3-Butadiene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Ethanol	5.87		1	3.53	4.68		1	3.38	2.00
Vinyl Bromide	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Acetone	6.42		1	3.53	7.12		1	3.38	2.00
Trichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	<SRL	U	1	3.53	<SRL	U	1	3.38	2.00
Acrylonitrile	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Allyl Chloride	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Carbon Disulfide	<SRL	U	1	3.53	<SRL	U	1	3.38	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
2-Butanone (MEK)	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61349				241694-61350				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.69				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Cyclohexane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Bromodichloromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,4-Dioxane	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Heptane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Toluene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
2-Hexanone (MBK)	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Dibromochloromethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Chlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Ethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
m & p-Xylene	<SRL	U	1	1.76	<SRL	U	1	1.69	1.00
Bromoform	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Styrene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
o-Xylene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
4-Ethyltoluene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.85	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	<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.

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61351				241694-61352				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.77				2.02				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Propene	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Chloromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Vinyl Chloride	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Methanol	14.9		1	8.84	16.3		1	10.1	5.00
1,3-Butadiene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Bromomethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Chloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Ethanol	13.6		1	3.54	8.58		1	4.05	2.00
Vinyl Bromide	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Acetone	6.24		1	3.54	7.81		1	4.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
2-Propanol (IPA)	<SRL	U	1	3.54	<SRL	U	1	4.05	2.00
Acrylonitrile	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Allyl Chloride	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Carbon Disulfide	<SRL	U	1	3.54	<SRL	U	1	4.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Vinyl Acetate	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
2-Butanone (MEK)	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Hexane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Chloroform	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Ethyl Acetate	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Tetrahydrofuran	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Benzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61351				241694-61352				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.77				2.02				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Cyclohexane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Bromodichloromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,4-Dioxane	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Heptane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Toluene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
2-Hexanone (MBK)	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Dibromochloromethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Chlorobenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Ethylbenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
m & p-Xylene	<SRL	U	1	1.77	<SRL	U	1	2.02	1.00
Bromoform	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Styrene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
o-Xylene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
4-Ethyltoluene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	<SRL	U	1	1.01	0.50
BFB-Surrogate Std. % Recovery		88%				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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61353				241694-61354				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.77				1.82				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Propene	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Dichlorodifluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloromethane	<SRL	U	1	0.89	0.91		1	0.91	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Vinyl Chloride	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methanol	9.97		1	8.87	14.4		1	9.09	5.00
1,3-Butadiene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Bromomethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Dichlorofluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethanol	3.71		1	3.55	5.27		1	3.64	2.00
Vinyl Bromide	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Acetone	6.12		1	3.55	6.24		1	3.64	2.00
Trichlorofluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Propanol (IPA)	<SRL	U	1	3.55	<SRL	U	1	3.64	2.00
Acrylonitrile	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Allyl Chloride	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Carbon Disulfide	<SRL	U	1	3.55	<SRL	U	1	3.64	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1-Dichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Vinyl Acetate	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Butanone (MEK)	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Hexane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloroform	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethyl Acetate	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Tetrahydrofuran	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Benzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61353				241694-61354				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.77				1.82				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Cyclohexane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichloropropane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Bromodichloromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,4-Dioxane	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Trichloroethene (TCE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Heptane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Toluene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Hexanone (MBK)	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Dibromochloromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dibromoethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
m & p-Xylene	<SRL	U	1	1.77	<SRL	U	1	1.82	1.00
Bromoform	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Styrene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
o-Xylene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
4-Ethyltoluene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Hexachlorobutadiene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
BFB-Surrogate Std. % Recovery		88%				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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61355				241694-61356				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.76				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Propene	<SRL	U	1	1.76	7.52		1	1.76	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Chloromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Vinyl Chloride	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Methanol	11.1		1	8.82	56.3		1	8.80	5.00
1,3-Butadiene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Bromomethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Chloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Ethanol	5.58		1	3.53	14.1		1	3.52	2.00
Vinyl Bromide	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Acetone	5.40		1	3.53	17.9		1	3.52	2.00
Trichlorofluoromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
2-Propanol (IPA)	<SRL	U	1	3.53	4.95		1	3.52	2.00
Acrylonitrile	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.76	<SRL	U	1	1.76	1.00
Allyl Chloride	<SRL	U	1	1.76	<SRL	U	1	1.76	1.00
Carbon Disulfide	<SRL	U	1	3.53	<SRL	U	1	3.52	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Vinyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
2-Butanone (MEK)	<SRL	U	1	1.76	9.17		1	1.76	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Hexane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Chloroform	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Ethyl Acetate	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Tetrahydrofuran	<SRL	U	1	0.88	17.7		1	0.88	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Benzene	<SRL	U	1	0.88	10.00		1	0.88	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61355				241694-61356				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/23/2024				07/23/2024				
Can Dilution Factor	1.76				1.76				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Cyclohexane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Bromodichloromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,4-Dioxane	<SRL	U	1	1.76	<SRL	U	1	1.76	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Heptane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Toluene	<SRL	U	1	0.88	1.44		1	0.88	0.50
2-Hexanone (MBK)	<SRL	U	1	1.76	<SRL	U	1	1.76	1.00
Dibromochloromethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Chlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Ethylbenzene	<SRL	U	1	0.88	0.95		1	0.88	0.50
m & p-Xylene	<SRL	U	1	1.76	<SRL	U	1	1.76	1.00
Bromoform	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Styrene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
o-Xylene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
4-Ethyltoluene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	<SRL	U	1	0.88	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	<SRL	U	1	0.88	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 : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61357				
Date Sampled	07/22/2024				
Date Analyzed	07/23/2024				
Can Dilution Factor	1.76				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.88	0.50
Propene	<SRL	U	1	1.76	1.00
Dichlorodifluoromethane	<SRL	U	1	0.88	0.50
Chloromethane	<SRL	U	1	0.88	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.88	0.50
Vinyl Chloride	<SRL	U	1	0.88	0.50
Methanol	23.3		1	8.80	5.00
1,3-Butadiene	<SRL	U	1	0.88	0.50
Bromomethane	<SRL	U	1	0.88	0.50
Chloroethane	<SRL	U	1	0.88	0.50
Dichlorofluoromethane	<SRL	U	1	0.88	0.50
Ethanol	89.2		1	3.52	2.00
Vinyl Bromide	<SRL	U	1	0.88	0.50
Acetone	10.6		1	3.52	2.00
Trichlorofluoromethane	2.17		1	0.88	0.50
2-Propanol (IPA)	5.70		1	3.52	2.00
Acrylonitrile	<SRL	U	1	0.88	0.50
1,1-Dichloroethene	<SRL	U	1	0.88	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.76	1.00
Allyl Chloride	<SRL	U	1	1.76	1.00
Carbon Disulfide	<SRL	U	1	3.52	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.88	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.88	0.50
1,1-Dichloroethane	<SRL	U	1	0.88	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.88	0.50
Vinyl Acetate	<SRL	U	1	0.88	0.50
2-Butanone (MEK)	<SRL	U	1	1.76	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.88	0.50
Hexane	0.99		1	0.88	0.50
Chloroform	<SRL	U	1	0.88	0.50
Ethyl Acetate	<SRL	U	1	0.88	0.50
Tetrahydrofuran	<SRL	U	1	0.88	0.50
1,2-Dichloroethane	<SRL	U	1	0.88	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.88	0.50
Benzene	<SRL	U	1	0.88	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241694
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61357				
Date Sampled	07/22/2024				
Date Analyzed	07/23/2024				
Can Dilution Factor	1.76				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.88	0.50
Cyclohexane	<SRL	U	1	0.88	0.50
1,2-Dichloropropane	<SRL	U	1	0.88	0.50
Bromodichloromethane	<SRL	U	1	0.88	0.50
1,4-Dioxane	<SRL	U	1	1.76	1.00
Trichloroethene (TCE)	<SRL	U	1	0.88	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.88	0.50
Heptane	<SRL	U	1	0.88	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.88	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.88	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.88	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.88	0.50
Toluene	<SRL	U	1	0.88	0.50
2-Hexanone (MBK)	<SRL	U	1	1.76	1.00
Dibromochloromethane	<SRL	U	1	0.88	0.50
1,2-Dibromoethane	<SRL	U	1	0.88	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.88	0.50
Chlorobenzene	<SRL	U	1	0.88	0.50
Ethylbenzene	<SRL	U	1	0.88	0.50
m & p-Xylene	<SRL	U	1	1.76	1.00
Bromoform	<SRL	U	1	0.88	0.50
Styrene	<SRL	U	1	0.88	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.88	0.50
o-Xylene	<SRL	U	1	0.88	0.50
4-Ethyltoluene	<SRL	U	1	0.88	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.88	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.88	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.88	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.88	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.88	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.88	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.88	0.50
Hexachlorobutadiene	<SRL	U	1	0.88	0.50
BFB-Surrogate Std. % Recovery		86%			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 : 241694
MATRIX : AIR

DATE RECEIVED : 07/22/2024
DATE REPORTED : 07/24/2024
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	241694-61341	07/22/2024	07/23/2024	<SRL	U	1.23	1.0	88%
MS-07	241694-61342	07/22/2024	07/23/2024	<SRL	U	1.77	1.0	87%
MS-08	241694-61343	07/22/2024	07/23/2024	<SRL	U	1.76	1.0	87%
MS-09	241694-61344	07/22/2024	07/23/2024	<SRL	U	1.74	1.0	89%
MS-10	241694-61345	07/22/2024	07/23/2024	<SRL	U	1.84	1.0	93%
MS-11	241694-61346	07/22/2024	07/23/2024	<SRL	U	1.80	1.0	88%
MS-12	241694-61347	07/22/2024	07/23/2024	<SRL	U	2.15	1.0	86%
SCV	241694-61348	07/22/2024	07/23/2024	<SRL	U	1.81	1.0	85%
Chiquito Cyn Rd	241694-61349	07/22/2024	07/23/2024	<SRL	U	1.76	1.0	88%
S End Lincoln	241694-61350	07/22/2024	07/23/2024	<SRL	U	1.69	1.0	89%
MS-01	241694-61351	07/22/2024	07/23/2024	<SRL	U	1.77	1.0	88%
MS-02	241694-61352	07/22/2024	07/23/2024	<SRL	U	2.02	1.0	86%
MS-03	241694-61353	07/22/2024	07/23/2024	<SRL	U	1.77	1.0	88%
MS-04	241694-61354	07/22/2024	07/23/2024	<SRL	U	1.82	1.0	88%
MS-05	241694-61355	07/22/2024	07/23/2024	<SRL	U	1.76	1.0	87%
Reaction	241694-61356	07/22/2024	07/23/2024	5.39		1.76	1.0	86%
Working Face	241694-61357	07/22/2024	07/23/2024	<SRL	U	1.76	1.0	86%

* 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 : 07/23/2024
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	9.23	98
Chlorodifluoromethane	10.20	12.54	123
Propene	10.70	12.60	118
Dichlorodifluoromethane	10.40	11.58	111
Dimethyl Ether	10.40	12.69	122
Chloromethane	10.50	12.17	116
Dichlorotetrafluoroethane	10.20	9.91	97
Vinyl Chloride	10.60	12.21	115
Acetaldehyde	20.40	25.78	126
Methanol	22.30	23.04	103
1,3-Butadiene	10.70	12.48	117
Bromomethane	10.40	10.34	99
Chloroethane	10.40	10.95	105
Dichlorofluoromethane	10.30	11.13	108
Ethanol	11.40	13.94	122
Vinyl Bromide	10.60	9.81	93
Acrolein	10.90	12.66	116
Acetone	10.60	12.02	113
Trichlorofluoromethane	10.50	10.61	101
2-Propanol (IPA)	11.00	13.65	124
Acrylonitrile	10.90	12.62	116
1,1-Dichloroethene	10.50	10.40	99
Methylene Chloride (DCM)	10.40	10.41	100
TertButanol (TBA)	11.20	12.59	112
Allyl Chloride	10.70	12.24	114
Carbon Disulfide	10.50	11.56	110
Trichlorotrifluoroethane	10.30	10.24	99
trans-1,2-Dichloroethene	10.80	11.00	102
1,1-Dichloroethane	10.70	11.85	111
Methyl Tert Butyl Ether (MTBE)	10.70	11.13	104
Vinyl Acetate	11.00	14.22	129
2-Butanone (MEK)	10.70	11.03	103
cis-1,2-Dichloroethene	10.70	10.59	99
Hexane	10.80	10.20	94
Chloroform	10.70	11.21	105
Ethyl Acetate	10.70	13.10	122
Tetrahydrofuran	10.40	10.38	100
1,2-Dichloroethane	10.60	11.94	113
1,1,1-Trichloroethane	10.50	11.02	105
Benzene	10.70	11.12	104
Carbon Tetrachloride	10.30	10.57	103
Cyclohexane	10.50	10.84	103

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.33	106
Bromodichloromethane	10.50	10.82	103
1,4-Dioxane	10.50	10.03	96
Trichloroethene (TCE)	10.50	9.75	93
2,2,4-Trimethylpentane	10.60	11.68	110
Methyl Methacrylate	11.00	11.40	104
Heptane	10.50	11.15	106
cis-1,3-Dichloropropene	10.50	10.42	99
4-Methyl-2-pentanone (MiBK)	10.50	11.62	111
trans-1,3-Dichloropropene	10.60	10.20	96
1,1,2-Trichloroethane	10.60	10.15	96
Toluene	10.80	10.27	95
2-Hexanone (MBK)	10.50	11.82	113
Dibromochloromethane	10.60	10.07	95
1,2-Dibromoethane	10.60	9.98	94
Tetrachloroethene (PCE)	10.50	8.77	84
Chlorobenzene	10.80	10.30	95
Ethylbenzene	10.60	10.98	104
m & p-Xylene	21.20	20.38	96
Bromoform	10.60	9.91	93
Styrene	10.60	10.78	102
1,1,2,2-Tetrachloroethane	10.60	10.39	98
o-Xylene	10.60	10.94	103
1,2,3-Trichloropropane	10.60	11.08	105
Isopropylbenzene (Cumene)	10.60	10.26	97
α-Pinene	10.10	9.69	96
2-Chlorotoluene	10.70	10.20	95
n-Propylbenzene	10.60	9.91	93
4-Ethyltoluene	10.40	9.99	96
1,3,5-Trimethylbenzene	10.30	9.89	96
β-Pinene LR	10.90	4.26	39
1,2,4-Trimethylbenzene	10.30	9.99	97
Benzyl Chloride (a-Chlorotoluene)	10.30	7.34	71
1,3-Dichlorobenzene	10.30	9.74	95
1,4-Dichlorobenzene	10.20	9.70	95
Sec-ButylBenzene	10.70	9.81	92
1,2-Dichlorobenzene	10.40	9.67	93
n-ButylBenzene	10.60	8.91	84
1,2-Dibromo-3-Chloropropane	10.30	8.72	85
1,2,4-Trichlorobenzene	10.50	10.53	100
Naphthalene	10.90	13.15	121
Hexachlorobutadiene	10.80	8.31	77

[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 : 07/23/2024
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	9.23	8.67	98	92	6.3
1,1-Dichloroethene	0.0	10.50	10.40	10.41	99	99	0.1
Methylene Chloride (DCM)	0.0	10.40	10.41	10.46	100	101	0.5
Benzene	0.0	10.70	11.12	10.89	104	102	2.1
Trichloroethene (TCE)	0.0	10.50	9.75	9.64	93	92	1.1
Toluene	0.0	10.80	10.27	10.36	95	96	0.9
Tetrachloroethene (PCE)	0.0	10.50	8.77	8.86	84	84	1.0
Chlorobenzene	0.0	10.80	10.30	9.74	95	90	5.6
Ethylbenzene	0.0	10.60	10.98	10.46	104	99	4.9
m & p-Xylene	0.0	21.20	20.38	19.51	96	92	4.4
o-Xylene	0.0	10.60	10.94	10.43	103	98	4.8

[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 : 07/23/2024 | **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 072324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	85%	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 072324*	*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 : 07/23/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.76

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241694-61356

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.12	7.97	1.9
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	7.52	7.16	4.8
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	8.34	8.56	2.5
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde J	7.52	7.59	0.9
Methanol	56.3	56.6	0.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	14.1	13.8	2.5
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	17.9	17.6	1.7
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	4.95	4.86	1.8
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM) J	0.99	0.95	3.6
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)	9.17	8.92	2.7
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	17.7	17.0	3.9
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	10.00	10.1	0.7
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	1.44	1.37	5.0
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	0.95	0.95	0.0
m & p-Xylene J	1.11	0.97	13.6
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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241694

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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 +Dmig				
MS-06	61341	7/22	1418	Summa 1	X				
MS-07	61342		1157		X				
MS-08	61343		1236		X				
MS-09	61344		1247		X				
MS-10	61345		1305		X				
MS-11	61346		1324		X				
MS-12	61347		1225		X				
SCY	61348		1254		X				
Chiquita Cyn Rd	61349		1206		X				
S End Lincoln	61350	↓	1219	↓	X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 7/22 Time 1530	**Received By** Print: Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

AAC COC Rev 3

12 cy

Drop off

Issued 02/04/2021

241694

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	61351	7/22	1100	SUMMA 1	X				
MS-02	61352	↓	1005	↓	X				
MS-03	61353		1431		X				
MS-04	61354		1126		X				
MS-05	61355		1045		X				
Reaction	61356		1139		X				
Working Face	61357		1022		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 7/22 Time 1530	**Received By** Print: Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Drop off

241694

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 61358	~~1418~~	7/22	1418	Tedlar 1	x					
MS-07 61359	~~1157~~	↓	1157	↓	x					
MS-08 61360	~~1236~~		1236		x					
MS-09 61361	~~1247~~		1247		x					
MS-10 61362	~~1305~~		1305		x					
MS-11 61363	~~1324~~		1324		x					
MS-12 61364	~~1225~~		1225		x					
SCV 61365	~~1254~~		1254		x					
61366 Chiquita Cyn Rd	~~1206~~		1206		x					
61367 S End Lincoln	~~1219~~		1219		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 7/22 Time 1530	**Received By** Print: Jose Signature:	Date 7/22/24 Time 1531	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

Drop off

241694

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-01	61368	7/22	1100	Tedlar 1	X				
MS-02	61369	↓	1005		X				
MS-03	61370		1431		X				
MS-04	61371		1126		X				
MS-05	61372		1045		X				
Reaction	61373		1139		X				
Working Face	61374	↓	1022	↓	X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 7/22 Time 1530	**Received By** Print: Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Drop off

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 Task 22
AAC PROJECT NO.	: 241694
REPORT DATE	: 07/25/2024

On July 22nd 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	241694-61358	S End Lincoln	241694-61367
MS-07	241694-61359	MS-01	241694-61368
MS-08	241694-61360	MS-02	241694-61369
MS-09	241694-61361	MS-03	241694-61370
MS-10	241694-61362	MS-04	241694-61371
MS-11	241694-61363	MS-05	241694-61372
MS-12	241694-61364	Reaction	241694-61373
SCV	241694-61365	Working Face	241694-61374
Chiquita Cyn Rd	241694-61366	-	-

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.

Sudha Parmar, Ph.D.
Technical Director

This report consists of 11 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241694
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2024
RECEIVING DATE : 07/22/2024
ANALYSIS DATE : 07/23/2024
REPORT DATE : 07/25/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241694-61358	241694-61359	241694-61360	241694-61361	241694-61362	241694-61363
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. : 241694
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2024
RECEIVING DATE : 07/22/2024
ANALYSIS DATE : 07/22-23/2024
REPORT DATE : 07/25/2024

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	241694-61364	241694-61365	241694-61366	241694-61367	241694-61368	241694-61369
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. : 241694
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2024
RECEIVING DATE : 07/22/2024
ANALYSIS DATE : 07/22-23/2024
REPORT DATE : 07/25/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241694-61370	241694-61371	241694-61372	241694-61373	241694-61374
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: 7/22/2024
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	11079	0.514	100.5	2.0
Duplicate	11312	0.524	102.6	0.0
Triplicate	11534	0.535	104.7	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8978	0.484	96.5	2.4
Duplicate	9212	0.497	99.0	0.2
Triplicate	9401	0.507	101.0	2.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11916	0.494	99.5	3.0
Duplicate	12390	0.514	103.5	0.8
Triplicate	12557	0.521	104.8	2.2

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	0.258	0.250	101.0	97.8	3.1
MeSH	<PQL	0.251	0.259	0.248	103.2	98.8	4.3
DMS	<PQL	0.249	0.268	0.270	107.8	108.7	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.555	108.6
MeSH	0.502	0.552	110.0
DMS	0.497	0.546	109.9

**** 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: 7/23/2024
Analyst: KM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11724	514	100.7	3.6
Duplicate	11105	487	95.4	1.8
Triplicate	11113	487	95.4	1.8

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	10423	514	102.5	0.4
Duplicate	10331	510	101.6	0.5
Triplicate	10388	512	102.1	0.1

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	14826	504	101.5	0.5
Duplicate	14601	497	99.9	1.0
Triplicate	14837	505	101.6	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241694-61364**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 241694-61364 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	260.9	253.4	102.2	99.3	2.9
MeSH	<PQL	250.9	266.7	267.8	106.3	106.7	0.4
DMS	<PQL	248.5	258.5	263.7	104.0	106.1	2.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	515.7	101.0
MeSH	501.8	503.9	100.4
DMS	497.0	514.0	103.4

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/23/2024
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	11082	0.514	100.6	0.5
Duplicate	11135	0.516	101.0	0.0
Triplicate	11193	0.519	101.6	0.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9313	0.502	100.1	1.9
Duplicate	9518	0.513	102.3	0.2
Triplicate	9652	0.521	103.7	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12491	0.518	104.3	0.2
Duplicate	12500	0.519	104.4	0.1
Triplicate	12561	0.521	104.9	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241694-61374**

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 **241694-61374 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.242	0.243	94.7	95.1	0.4
MeSH	<PQL	0.251	0.254	0.249	101.2	99.2	2.0
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	0.460	90.0
MeSH	0.502	0.457	91.0
DMS	0.497	0.472	95.0

** 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

241694

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 61358	~~1418~~	7/22	1418	Tedlar 1	X				
MS-07 61359	~~1157~~	↓	1157	↓	X				
MS-08 61360	~~1236~~		1236		X				
MS-09 61361	~~1247~~		1247		X				
MS-10 61362	~~1305~~		1305		X				
MS-11 61363	~~1324~~		1324		X				
MS-12 61364	~~1225~~		1225		X				
SCV 61365	~~1254~~		1254		X				
61366 Chiquita Cyn Rd	~~1206~~		1206		X				
61367 S End Lincoln	~~1219~~	↓	1219	↓	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 7/22 Time 1530	**Received By** Print: Jose Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Drop off

241694

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	61368	7/22	1100	Tedlar 1	X	
MS-02	61369	↓	1005	↓	X	
MS-03	61370		1431		X	
MS-04	61371		1126		X	
MS-05	61372		1045		X	
Reaction	61373		1139		X	
Working Face	61374		1022		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 7/22 Time 1530	Received By Print: Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	Received By Print: Signature:	Date Time

Drop off

241694

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 +Dmg					LAB USE ONLY Lab ID
MS-06	61341	7/22	1418	Summa 1	X					
MS-07	61342		1157		X					
MS-08	61343		1236		X					
MS-09	61344		1247		X					
MS-10	61345		1305		X					
MS-11	61346		1324		X					
MS-12	61347		1225		X					
SCY	61348		1254		X					
Chiquita Cyn Rd	61349		1206		X					
S End Lincoln	61350		1219		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 7/22 Time 1530	Received By Print: Signature:	Date 7/22/24 Time 1531	
Relinquished By Print: Signature:	Date Time	Received By Print: Signature:	Date Time	

AAC COC Rev 3

12 cans

Drop off

Issued 02/04/2021

24,694

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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	TO-15 FULL LIST +DMS
MS-01	61351	7/22	1100	SUMMA 1	X
MS-02	61352		1005		X
MS-03	61353		1431		X
MS-04	61354		1126		X
MS-05	61355		1045		X
Reaction	61356		1139		X
Working Face	61357		1022		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 7/22 Time 1530	**Received By** Print: Signature:	Date 7/22/24 Time 1531
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Drop off

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 241772
REPORT DATE	: 07/31/2024

On July 29, 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	241772-61810	661.5	S End Lincoln	241772-61819	661.0
MS-07	241772-61811	658.0	MS-01	241772-61820	661.5
MS-08	241772-61812	653.0	MS-02	241772-61821	695.5
MS-09	241772-61813	671.0	MS-03	241772-61822	654.0
MS-10	241772-61814	667.5	MS-04	241772-61823	667.5
MS-11	241772-61815	726.5	MS-05	241772-61824	680.5
MS-12	241772-61816	657.0	Reaction	241772-61825	668.5
SCV	241772-61817	639.5	Working Face	241772-61826	649.5
Chiquito Cyn Rd	241772-61818	664.0	--	--	--

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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61810				241772-61811				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.54				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloromethane	0.77		1	0.77	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.68	<SRL	U	1	7.78	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethanol	3.96		1	3.07	<SRL	U	1	3.11	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Acetone	4.18		1	3.07	3.52		1	3.11	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	<SRL	U	1	3.11	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	3.07	<SRL	U	1	3.11	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61810				241772-61811				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.54				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		89%				90%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61812				241772-61813				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.56				1.63				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Propene	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methanol	<SRL	U	1	7.79	<SRL	U	1	8.14	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethanol	<SRL	U	1	3.12	<SRL	U	1	3.25	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Acetone	3.60		1	3.12	5.14		1	3.25	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Propanol (IPA)	<SRL	U	1	3.12	<SRL	U	1	3.25	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Allyl Chloride	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Carbon Disulfide	<SRL	U	1	3.12	<SRL	U	1	3.25	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Butanone (MEK)	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61812				241772-61813				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.56				1.63				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,4-Dioxane	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Hexanone (MBK)	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
m & p-Xylene	<SRL	U	1	1.56	<SRL	U	1	1.63	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.81	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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61814				241772-61815				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.52				1.40				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.61	7.00		1	6.99	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethanol	<SRL	U	1	3.04	7.90		1	2.80	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Acetone	3.38		1	3.04	15.4		1	2.80	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	2.80	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	2.80	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61814				241772-61815				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.52				1.40				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.40	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<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.

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61816				241772-61817				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.56				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	7.78	<SRL	U	1	7.94	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Ethanol	<SRL	U	1	3.11	<SRL	U	1	3.18	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Acetone	4.53		1	3.11	4.62		1	3.18	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.11	<SRL	U	1	3.18	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	3.11	<SRL	U	1	3.18	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61816				241772-61817				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.56				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.56	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.79	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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61818				241772-61819				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.54				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.68	<SRL	U	1	7.80	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.07	<SRL	U	1	3.12	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Acetone	5.85		1	3.07	3.54		1	3.12	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	<SRL	U	1	3.12	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	3.07	<SRL	U	1	3.12	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.77	<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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61818				241772-61819				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.54				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		89%				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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61820				241772-61821				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.55				1.48				
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	1.55	3.11		1	1.48	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	7.77	9.14		1	7.40	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	3.11	8.97		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Acetone	3.67		1	3.11	5.07		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.11	<SRL	U	1	2.96	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	1.55	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.55	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	3.11	<SRL	U	1	2.96	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	1.55	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.78	2.86		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	4.68		1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61820				241772-61821				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.55				1.48				
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	1.48		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	1.55	<SRL	U	1	1.48	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	0.87		1	0.74	0.50
Heptane	<SRL	U	1	0.78	1.33		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	2.20		1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	<SRL	U	1	1.48	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	1.55	1.88		1	1.48	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	0.80		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	0.89		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		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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61822				241772-61823				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.57				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Methanol	12.2		1	7.85	16.4		1	7.73	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	3.14	9.93		1	3.09	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Acetone	3.85		1	3.14	5.46		1	3.09	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.14	<SRL	U	1	3.09	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.14	<SRL	U	1	3.09	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.78	0.94		1	0.77	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61822				241772-61823				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.57				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.57	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.77	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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61824				241772-61825				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.49				1.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.49	12.7		1	1.53	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methanol	<SRL	U	1	7.46	66.9		1	7.66	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	2.98	16.5		1	3.06	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Acetone	3.84		1	2.98	17.3		1	3.06	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	5.28		1	3.06	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.53	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.53	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.06	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	10.6		1	1.53	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.75	20.9		1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.75	17.5		1	0.77	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61824				241772-61825				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/30/2024				07/30/2024				
Can Dilution Factor	1.49				1.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.53	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	0.90		1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.75	2.62		1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.53	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.75	1.96		1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.49	2.28		1	1.53	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.75	0.87		1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.75	0.80		1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	1.03		1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		87%				95%			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 : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61826				
Date Sampled	07/29/2024				
Date Analyzed	07/30/2024				
Can Dilution Factor	1.58				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.58	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.79	0.50
Methanol	11.9		1	7.88	5.00
1,3-Butadiene	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	0.50
Ethanol	4.70		1	3.15	2.00
Vinyl Bromide	<SRL	U	1	0.79	0.50
Acetone	8.94		1	3.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.15	2.00
Acrylonitrile	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	1.00
Allyl Chloride	<SRL	U	1	1.58	1.00
Carbon Disulfide	<SRL	U	1	3.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.79	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241772
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61826				
Date Sampled	07/29/2024				
Date Analyzed	07/30/2024				
Can Dilution Factor	1.58				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.58	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	1.00
Dibromochloromethane	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.58	1.00
Bromoform	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	0.50
BFB-Surrogate Std, % Recovery		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

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241772
MATRIX : AIR

DATE RECEIVED : 07/29/2024
DATE REPORTED : 07/31/2024
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	241772-61810	07/29/2024	07/30/2024	<SRL	U	1.54	1.0	89%
MS-07	241772-61811	07/29/2024	07/30/2024	<SRL	U	1.56	1.0	90%
MS-08	241772-61812	07/29/2024	07/30/2024	<SRL	U	1.56	1.0	91%
MS-09	241772-61813	07/29/2024	07/30/2024	<SRL	U	1.63	1.0	92%
MS-10	241772-61814	07/29/2024	07/30/2024	<SRL	U	1.52	1.0	92%
MS-11	241772-61815	07/29/2024	07/30/2024	<SRL	U	1.40	1.0	92%
MS-12	241772-61816	07/29/2024	07/30/2024	<SRL	U	1.56	1.0	89%
SCV	241772-61817	07/29/2024	07/30/2024	<SRL	U	1.59	1.0	91%
Chiquito Cyn Rd	241772-61818	07/29/2024	07/30/2024	<SRL	U	1.54	1.0	89%
S End Lincoln	241772-61819	07/29/2024	07/30/2024	<SRL	U	1.56	1.0	94%
MS-01	241772-61820	07/29/2024	07/30/2024	<SRL	U	1.55	1.0	89%
MS-02	241772-61821	07/29/2024	07/30/2024	<SRL	U	1.48	1.0	88%
MS-03	241772-61822	07/29/2024	07/30/2024	<SRL	U	1.57	1.0	91%
MS-04	241772-61823	07/29/2024	07/30/2024	<SRL	U	1.55	1.0	89%
MS-05	241772-61824	07/29/2024	07/30/2024	<SRL	U	1.49	1.0	87%
Reaction	241772-61825	07/29/2024	07/30/2024	10.3		1.53	1.0	95%
Working Face	241772-61826	07/29/2024	07/30/2024	<SRL	U	1.58	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.

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

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/30/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.60	102
Chlorodifluoromethane	10.20	9.49	93
Propene	10.70	9.60	90
Dichlorodifluoromethane	10.40	9.90	95
Dimethyl Ether	10.10	8.96	89
Chloromethane	10.50	9.45	90
Dichlorotetrafluoroethane	10.20	9.22	90
Vinyl Chloride	10.60	9.81	93
Acetaldehyde	20.90	23.02	110
Methanol	20.40	15.88	78
1,3-Butadiene	10.70	9.88	92
Bromomethane	10.40	9.71	93
Chloroethane	10.40	8.97	86
Dichlorofluoromethane	10.10	9.54	94
Ethanol	11.40	9.59	84
Vinyl Bromide	10.10	9.56	95
Acrolein	10.90	9.80	90
Acetone	10.60	9.38	88
Trichlorofluoromethane	10.50	9.68	92
2-Propanol (IPA)	11.00	9.93	90
Acrylonitrile	11.10	9.73	88
1,1-Dichloroethene	10.50	9.59	91
Methylene Chloride (DCM)	10.40	9.36	90
TertButanol (TBA)	11.20	10.10	90
Allyl Chloride	10.20	9.51	93
Carbon Disulfide	10.50	9.98	95
Trichlorotrifluoroethane	10.30	9.10	88
trans-1,2-Dichloroethene	10.80	9.79	91
1,1-Dichloroethane	10.70	9.75	91
Methyl Tert Butyl Ether (MTBE)	10.70	9.32	87
Vinyl Acetate	11.00	10.28	93
2-Butanone (MEK)	10.70	9.61	90
cis-1,2-Dichloroethene	10.70	9.69	91
Hexane	10.80	9.74	90
Chloroform	10.70	9.94	93
Ethyl Acetate	10.70	9.91	93
Tetrahydrofuran	10.40	9.33	90
1,2-Dichloroethane	10.60	9.84	93
1,1,1-Trichloroethane	10.50	9.66	92
Benzene	10.70	10.00	93
Carbon Tetrachloride	10.30	9.36	91
Cyclohexane	10.50	9.35	89

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.68	90
Bromodichloromethane	10.50	9.69	92
1,4-Dioxane	10.50	9.28	88
Trichloroethene (TCE)	10.50	9.53	91
2,2,4-Trimethylpentane	10.10	9.31	92
Methyl Methacrylate	11.00	10.33	94
Heptane	10.50	9.81	93
cis-1,3-Dichloropropene	10.50	9.76	93
4-Methyl-2-pentanone (MiBK)	10.50	9.78	93
trans-1,3-Dichloropropene	10.60	10.29	97
1,1,2-Trichloroethane	10.60	9.67	91
Toluene	10.80	9.99	93
2-Hexanone (MBK)	10.50	10.43	99
Dibromochloromethane	10.60	9.56	90
1,2-Dibromoethane	10.60	10.10	95
Tetrachloroethene (PCE)	10.50	9.60	91
Chlorobenzene	10.80	9.41	87
Ethylbenzene	10.60	9.71	92
m & p-Xylene	21.20	20.38	96
Bromoform	10.60	9.59	90
Styrene	10.60	9.77	92
1,1,2,2-Tetrachloroethane	10.60	9.65	91
o-Xylene	10.60	9.62	91
1,2,3-Trichloropropane	11.00	10.15	92
Isopropylbenzene (Cumene)	10.40	9.39	90
α-Pinene	10.80	8.57	79
2-Chlorotoluene	10.30	9.60	93
n-Propylbenzene	10.10	9.32	92
4-Ethyltoluene	10.40	9.51	91
1,3,5-Trimethylbenzene	10.30	9.39	91
β-Pinene	10.90	9.91	91
1,2,4-Trimethylbenzene	10.30	9.49	92
Benzyl Chloride (a-Chlorotoluene)	10.30	9.80	95
1,3-Dichlorobenzene	10.30	9.96	97
1,4-Dichlorobenzene	10.20	9.63	94
Sec-ButylBenzene	10.00	9.35	94
1,2-Dichlorobenzene	10.40	9.96	96
n-ButylBenzene	10.20	9.54	94
1,2-Dibromo-3-Chloropropane	10.10	9.76	97
1,2,4-Trichlorobenzene	10.50	11.27	107
Naphthalene	10.90	12.12	111
Hexachlorobutadiene	10.80	10.25	95

[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 : 07/30/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.60	9.39	102	100	2.2
1,1-Dichloroethene	0.0	10.50	9.59	9.83	91	94	2.5
Methylene Chloride (DCM)	0.0	10.40	9.36	9.47	90	91	1.2
Benzene	0.0	10.70	10.00	10.02	93	94	0.2
Trichloroethene (TCE)	0.0	10.50	9.53	9.52	91	91	0.1
Toluene	0.0	10.80	9.99	10.09	93	93	1.0
Tetrachloroethene (PCE)	0.0	10.50	9.60	9.60	91	91	0.0
Chlorobenzene	0.0	10.80	9.41	9.37	87	87	0.4
Ethylbenzene	0.0	10.60	9.71	9.67	92	91	0.4
m & p-Xylene	0.0	21.20	20.38	20.26	96	96	0.6
o-Xylene	0.0	10.60	9.62	9.48	91	89	1.5

[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 : 07/30/2024 | **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 073024*	*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 073024*	*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	1.0
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 : 07/30/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.53

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241772-61826

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.93	8.56	4.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	12.7	12.4	2.2
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	12.5	12.4	0.5
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde J	5.91	5.82	1.6
Methanol	66.9	66.4	0.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	16.5	16.3	0.7
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	17.3	17.0	1.7
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	5.28	5.25	0.6
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)	10.6	10.8	2.3
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	20.9	21.0	0.9
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	17.5	17.6	0.5
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)	0.90	0.89	1.7
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	2.62	<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	1.96	1.94	0.8
m & p-Xylene	2.28	2.24	2.0
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	0.87	0.89	1.7
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	<SRL	<SRL	*NA*
α-Pinene	1.55	1.45	6.1
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	0.80	0.80	0.0
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	1.03	1.07	4.4
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.

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241772

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	61810	7/29	1416	SUMMA 1	X				
MS-07	61811		1234		X				
MS-08	61812		1308		X				
MS-09	61813		1317		X				
MS-10	61814		1333		X				
MS-11	61815		1354		X				
MS-12	61816		1301		X				
SCV	61817		1324		X				
Chiquito Cyn Rd	61818		1244		X				
S End Lincoln	61819	↓	1254		X				

LAB USE ONLY
Lab ID
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 7/29 Time 1545	**Received By** Print: Signature:	Date 7/29/24 Time 1547
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

12K cans

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SCS ENGINEERS

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PAUL SCHAFER

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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	61820	7/29	1154	Summa 1	X
MS-02	61821		1031		X
MS-03	61822		1424		X
MS-04	61823		1211		X
MS-05	61824		1143		X
Reaction	61825		1219		X
Working Face	61826	↓	1130	↓	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 7/29 Time 1545	**Received By** Print: Signature:	Date 7/29/21 Time 1547
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:

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	61827	7/29	1416	Tedlar	X				
MS-07	61828		1234		X				
MS-08	61829		1308		X				
MS-09	61830		1317		X				
MS-10	61831		1333		X				
MS-11	61832		1354		X				
MS-12	61833		1301		X				
SCV	61834		1324		X				
Chiquito Cyn Rd	61835		1249		X				
S End Lincoln	61836	↓	1254	↓	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** 7/29 **Time** 1545	**Received By** Print: Signature:	**Date** 7/29/24 **Time** 1547
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241772

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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	61837	7/29	1154	Tedlar 1	X	
MS-02	61838	"	1031	"	X	
MS-03	61839	"	1424	"	X	
MS-04	61840	"	1211	"	X	
MS-05	61841	"	1143	"	X	
Reaction	61842	"	1219	"	X	
Working Face	61843	↓	1130	↓	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** 7/29 **Time** 1545	**Received By** Print: Signature:	**Date** 7/29/21 **Time** 1547
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.	: 241772
REPORT DATE	: 07/31/2024

On July 29th 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	241772-61827	S End Lincoln	241772-61836
MS-07	241772-61828	MS-01	241772-61837
MS-08	241772-61829	MS-02	241772-61838
MS-09	241772-61830	MS-03	241772-61839
MS-10	241772-61831	MS-04	241772-61840
MS-11	241772-61832	MS-05	241772-61841
MS-12	241772-61833	Reaction	241772-61842
SCV	241772-61834	Working Face	241772-61843
Chiquita Cyn Rd	241772-61835	-	-

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 11 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241772
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29/2024
RECEIVING DATE : 07/29/2024
ANALYSIS DATE : 07/30/2024
REPORT DATE : 07/31/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241772-61827	241772-61828	241772-61829	241772-61830	241772-61831	241772-61832
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. : 241772
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29/2024
RECEIVING DATE : 07/29/2024
ANALYSIS DATE : 07/30/2024
REPORT DATE : 07/31/2024

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	241772-61833	241772-61834	241772-61835	241772-61836	241772-61837	241772-61838
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. : 241772
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29/2024
RECEIVING DATE : 07/29/2024
ANALYSIS DATE : 07/29-30/2024
REPORT DATE : 07/31/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	241772-61839	241772-61840	241772-61841	241772-61842	241772-61843
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	**0.009**	< 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	**0.009**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S

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Quality Control/Quality Assurance Report
ASTM D-5504

Date Analyzed: 7/29/2024
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	11234	0.521	101.9	0.6
Duplicate	11361	0.527	103.1	0.6
Triplicate	11296	0.524	102.5	0.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9343	0.504	100.4	0.4
Duplicate	9574	0.516	102.9	2.0
Triplicate	9237	0.498	99.3	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12050	0.500	100.6	2.0
Duplicate	12335	0.512	103.0	0.3
Triplicate	12494	0.518	104.3	1.6

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 **Sample ID x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.271	0.252	106.1	98.6	7.3
MeSH	<PQL	0.251	0.267	0.263	106.4	104.8	1.5
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	0.551	107.8
MeSH	0.502	0.551	109.8
DMS	0.497	0.541	108.9

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: 7/30/2024
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	10871	0.504	98.6	1.9
Duplicate	10601	0.492	96.2	0.6
Triplicate	10525	0.488	95.5	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9277	0.500	99.7	2.5
Duplicate	8993	0.485	96.6	0.6
Triplicate	8878	0.479	95.4	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12309	0.511	102.8	0.0
Duplicate	12430	0.516	103.8	1.0
Triplicate	12175	0.505	101.7	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241772-61842**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	0.009	0.009	0.009	0.0

Matrix Spike & Duplicate **241772-61842 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	0.249	0.264	99.2	105.2	5.8
DMS	0.005	0.249	0.268	0.275	105.9	108.7	2.6

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	0.525	105.6

**** 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: 7/30/2024
Analyst: KM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11244	493	96.6	0.8
Duplicate	11466	503	98.5	1.1
Triplicate	11302	496	97.1	0.3

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	10224	504	100.5	1.4
Duplicate	10023	494	98.5	0.6
Triplicate	10006	494	98.4	0.8

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	15191	517	104.0	0.7
Duplicate	14913	507	102.1	1.2
Triplicate	15162	516	103.8	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241772-61827**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 241772-61827 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	253.5	249.1	99.3	97.6	1.7
MeSH	<PQL	250.9	247.1	254.5	98.5	101.5	2.9
DMS	<PQL	248.5	265.5	257.7	106.8	103.7	2.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	494.0	96.8
MeSH	501.8	452.6	90.2
DMS	497.0	529.2	106.5

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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241772

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 ID
MS-06	61810	7/29	1416	SUMMA 1	X					
MS-07	61811		1234		X					
MS 05	61812		1305		X					
MS-09	61813		1317		X					
MS-10	61814		1333		X					
MS-11	61815		1359		X					
MS-12	61816		1301		X					
SCV	61817		1329		X					
Chiquita Can Rd	61818		1244		X					
S End Eastman	61819	↓	1254	↓	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: [signature]	Date 7/29 Time 1545	**Received By** Print: H Signature: [signature]	Date 7/29/21 Time 1547	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

17 cans

241772

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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 Hinojosa
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST 4 DAYS					Lab ID
MS-01	61820	7/29	1154	Summa 1	X					
MS-02	61821		1031		X					
MS-03	61822		1424		X					
MS-04	61823		1211		X					
MS-05	61824		1143		X					
Reaction	61825		1219		X					
Working face	61826		1130		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 Hinojosa Signature:	Date 7/29 Time 1545	**Received By** Print: Signature:	Date 7/29/24 Time 1547	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241772

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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	61827	7/29	1416	Tedlar 1	X					
MS-07	61828		1234		X					
MS-08	61829		1308		X					
MS-09	61830		1317		X					
MS-10	61831		1333		X					
MS-11	61832		1354		X					
MS-12	61833		1401		X					
SCV	61834		1324		X					
Chiquita Cyn Rd	61835		1244		X					
S End Lincoln	61836	↓	1254	↓	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 7/29 Time 1545	**Received By** Print: Signature:	Date 7/29/24 Time 1547	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241772

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-01	61837	7/29	1154	Tedlar 1	X					
MS-02	61838	"	1031	"	X					
MS-03	61839	"	1424	"	X					
MS-04	61840	"	1211	"	X					
MS-05	61841	"	1143	"	X					
Reaction	61842	"	1219	"	X					
Working Face	61843	↓	1130	↓	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 7/29 Time 1545	**Received By** Print: Signature:	Date 7/29/24 Time 1547	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples July 2024

	Sample Name	Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	7/1/2024	12:17		7/2/2024	12:57 PM	5613	grass, vegetation, rancid, foul
	MS-02	7/1/2024	11:43		7/2/2024	1:31 PM	3536	clean, fresh
	MS-03	7/1/2024	14:38		7/2/2024	9:30 AM	<312	stale, musty
	MS-04	7/1/2024	12:37		7/2/2024	10:40 AM	2680	spoiled food
	MS-05	7/1/2024	12:05		7/2/2024	1:50 PM	3078	vegetation
	Working/Active	7/1/2024	11:52	Trashy, slight asphalt, slight fishy @34.430833N; 118.650000W	7/2/2024	11:15 AM	4205	rancid, foul, putrid
	Reaction	7/1/2024	12:44	Stinky strong leachate @34.435277N; 118.651111W	7/2/2024	12:00 PM	5613	rancid, garbage, trash, putrid
Off-Site	MS-06	7/1/2024	14:37	Slight garlic, trash, leachate breeze	7/2/2024	11:45 AM	BDL<312	stale, plastic
	MS-07	7/1/2024	13:01	Slight leachate, slight grass	7/2/2024	9:15 AM	4205	air freshener, rancid, putrid
	MS-08	7/1/2024	13:37		7/2/2024	10:05 AM	3150	musty, stale, plastic
	MS-09	7/1/2024	13:47	Slight leachate	7/2/2024	12:20 PM	2806	plastic
	MS-10	7/1/2024	14:13		7/2/2024	9:00 AM	2500	clean, concrete
	MS-11	7/1/2024	11:16		7/2/2024	10:20 AM	2103	naturally offensive, natural gas
	MS-12	7/1/2024	13:19		7/2/2024	12:40 PM	2973	stale bread, yeast
	SCV	7/1/2024	14:00		7/2/2024	9:50 AM	<312	stale
	Chiquito	7/1/2024	13:07		7/2/2024	11:30 AM	<312	rancid
	S End Lincoln	7/1/2024	13:14		7/2/2024	1:15 PM	3536	chemical, synthetic

Odor Samples July 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	7/8/2024	10:16	hay/trash	7/9/2024	9:30 AM	3536	mildew
	MS-02	7/8/2024	9:26	bathroom cleaner, green apple, perfumey	7/9/2024	11:40 AM	884	vegetation, trees
	MS-03	7/8/2024	12:37		7/9/2024	9:45 AM	<312	naturally offensive, floral, grassy
	MS-04	7/8/2024	10:39		7/9/2024	1:00 PM	3537	putrid
	MS-05	7/8/2024	10:00	grass, dirt	7/9/2024	12:40 PM	2806	stale
	Working/Active	7/8/2024	9:47	trash, slight leachate, pretty windy	7/9/2024	11:10 AM	5946	moldy, rotten
	Reaction	7/8/2024	10:41	rancid, putrid	7/9/2024	12:00 PM	14143	rotten, leachate, "trash juice"
Off-Site	MS-06	7/8/2024	12:28		7/9/2024	10:05 AM	<312	grassy
	MS-07	7/8/2024	10:59	leachate, plants	7/9/2024	10:35 AM	<312	naturally offensive
	MS-08	7/8/2024	11:35		7/9/2024	1:30 PM	3537	sterile
	MS-09	7/8/2024	11:47		7/9/2024	12:20 PM	2973	brocolli, bitter, vegetation
	MS-10	7/8/2024	12:09	leachate	7/9/2024	10:20 AM	3536	fresh
	MS-11	7/8/2024	12:53	fresh grass	7/9/2024	1:15 PM	3537	cabbage
	MS-12	7/8/2024	11:28		7/9/2024	11:20 AM	<312	stale
	SCV	7/8/2024	11:59	slight leachate breeze	7/9/2024	9:15 AM	<312	
	Chiquito	7/8/2024	11:10		7/9/2024	9:00 AM	<312	rubbing alcohol
	S End Lincoln	7/8/2024	11:22		7/9/2024	11:45 AM	1768	woodsy, fresh

Odor Samples July 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	7/15/2024	12:51	Leachate (strong), dusty	7/16/2024	12:50 PM	3536	Naturally offensive, plastic
	MS-02	7/15/2024	12:14	Crisp apple, bathroom, dirt	7/16/2024	1:55 PM	<312	
	MS-03	7/15/2024	14:48		7/16/2024	11:20 AM	3539	stale
	MS-04	7/15/2024	13:10		7/16/2024	12:10 PM	<312	
	MS-05	7/15/2024	12:36	Musty, old water	7/16/2024	9:33 AM	4205	
	Working/Active	7/15/2024	12:23	Shit, feces, sour, dirt	7/16/2024	11:55 AM	<312	metallic
	Reaction	7/15/2024	13:18	Strong leachate	7/16/2024	10:27 AM	<625	petroleum, oil, auto smell
Off-Site	MS-06	7/15/2024	14:39		7/16/2024	9:17 AM	<312	
	MS-07	7/15/2024	13:35		7/16/2024	1:25 PM	<312	rotten, burnt
	MS-08	7/15/2024	14:00		7/16/2024	1:40 PM	<312	
	MS-09	7/15/2024	14:09		7/16/2024	9:00 AM	5613	sweet, woodsy
	MS-10	7/15/2024	14:25		7/16/2024	10:49 AM	<312	
	MS-11	7/15/2024	11:50		7/16/2024	1:04 PM	5946	
	MS-12	7/15/2024	13:53		7/16/2024	10:08 AM	3536	hot dogs
	SCV	7/15/2024	14:16	Sweet, cleaning supplies, leachate	7/16/2024	11:35 AM	<312	grass, chocolate
	Chiquito	7/15/2024	13:42		7/16/2024	9:51 AM	1768	Trash, nat. offensive, funky"
	S End Lincoln	7/15/2024	13:48		7/16/2024	12:31 PM	4455	

Odor Samples July 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	7/22/2024	11:00		7/23/2024	10:35 AM	1487	plastic
	MS-02	7/22/2024	10:05	Sweet, masking agent spraying nearby	7/23/2024	12:50 PM	1768	rancid, putrid
	MS-03	7/22/2024	14:31	Dirt, machinery operating nearby	7/23/2024	12:05 PM	1051	musty
	MS-04	7/22/2024	11:26	Leachate, dirt	7/23/2024	1:05 PM	1768	vegetation
	MS-05	7/22/2024	10:45		7/23/2024	10:50 AM	1768	chemical, naturally offensive
	Working/Active	7/22/2024	10:22	Dirty, sour	7/23/2024	9:15 AM	5000	trash, chlorine
	Reaction	7/22/2024	11:39	Leachate	7/23/2024	10:00 AM	5000	foul, stale
Off-Site	MS-06	7/22/2024	14:18		7/23/2024	9:45 AM	1250	cotton
	MS-07	7/22/2024	11:57		7/23/2024	11:20 AM	1250	vegetation
	MS-08	7/22/2024	12:36		7/23/2024	11:50 AM	1114	naturally offensive
	MS-09	7/22/2024	12:47	sweet, vegetation	7/23/2024	9:00 AM	2973	fresh, sour
	MS-10	7/22/2024	13:05	leachate, vegetation	7/23/2024	12:35 PM	3400	dirt
	MS-11	7/22/2024	13:24		7/23/2024	11:35 AM	884	plastic, rubber
	MS-12	7/22/2024	12:25		7/23/2024	10:20 AM	1768	stale, plastic, peanut butter
	SCV	7/22/2024	12:54	sweet, vegetation	7/23/2024	9:30 AM	3536	grassy
	Chiquito	7/22/2024	12:06		7/23/2024	1:20 PM	1768	moldy, food, sour, vinegar
	S End Lincoln	7/22/2024	12:18		7/23/2024	12:20 PM	1015	sterile

Odor Samples July 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	7/29/2024	11:54		7/30/2024	11:40 AM	<156	stale
	MS-02	7/29/2024	10:31	Masking agent, sweet	7/30/2024	1:40 PM	2228	putrid
	MS-03	7/29/2024	14:24		7/30/2024	2:00 PM	1768	fresh
	MS-04	7/29/2024	12:11	Strong leachate	7/30/2024	1:05 PM	<156	rubber, foul
	MS-05	7/29/2024	11:43		7/30/2024	9:15 AM	2030	plastic, synthetic
	Working/Active	7/29/2024	11:30	Sour, dirt	7/30/2024	9:50 AM	3536	petroleum gas
	Reaction	7/29/2024	12:19	Burnt rubber, leachate	7/30/2024	10:40 AM	2031	trash, leachate, rancid
Off-Site	MS-06	7/29/2024	14:16	Trash, working face, rotten	7/30/2024	10:25 AM	2973	
	MS-07	7/29/2024	12:34		7/30/2024	12:15 PM	<156	trash
	MS-08	7/29/2024	13:08		7/30/2024	9:30 AM	2680	acetone
	MS-09	7/29/2024	13:17		7/30/2024	11:58 AM	<156	chlorine
	MS-10	7/29/2024	13:33		7/30/2024	11:20 AM	2227	hay, old grass
	MS-11	7/29/2024	13:54		7/30/2024	12:47 PM	<156	vegetation
	MS-12	7/29/2024	13:01		7/30/2024	10:05 AM	7071	stale, ammonia, chemical
	SCV	7/29/2024	13:24		7/30/2024	12:30 PM	1487	naturally offensive
	Chiquito	7/29/2024	12:44		7/30/2024	9:00 AM	<312	
	S End Lincoln	7/29/2024	12:54		7/30/2024	1:20 PM	1114	grass

ATTACHMENT C

WEEKLY 24-HR SAMPLE LABORATORY ANALYTICAL DATA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241543
REPORT DATE : 07/05/2024

On July 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	241543-60609	731.7
MS-12	241543-60610	729.9
MS-08	241543-60611	405.1
MS-09	241543-60612	532.6
MS-10	241543-60613	684.4
MS-06	241543-60614	719.2
MS-11	241543-60615	712.3

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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60609				241543-60610				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/03/2024				
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	0.71	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	0.72		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	16.0		1	7.03	15.8		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	13.5		1	2.81	8.28		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.71	0.50
Acetone	6.63		1	2.81	7.53		1	2.83	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	2.83	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	2.83	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	1.44		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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60609				241543-60610				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/03/2024				
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		84%				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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60611				241543-60612				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/03/2024				
Can Dilution Factor	2.53				1.93				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Propene	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Dichlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Chloromethane	<SRL	U	1	1.27	1.01		1	0.97	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Vinyl Chloride	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Methanol	14.9		1	12.7	19.3		1	9.67	5.00
1,3-Butadiene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Bromomethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Chloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Dichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Ethanol	6.23		1	5.07	8.07		1	3.87	2.00
Vinyl Bromide	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Acetone	7.50		1	5.07	17.5		1	3.87	2.00
Trichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
2-Propanol (IPA)	<SRL	U	1	5.07	<SRL	U	1	3.87	2.00
Acrylonitrile	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,1-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Allyl Chloride	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Carbon Disulfide	<SRL	U	1	5.07	<SRL	U	1	3.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,1-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Vinyl Acetate	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
2-Butanone (MEK)	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Hexane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Chloroform	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Ethyl Acetate	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Tetrahydrofuran	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Benzene	<SRL	U	1	1.27	1.39		1	0.97	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60611				241543-60612				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/03/2024				
Can Dilution Factor	2.53				1.93				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Cyclohexane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2-Dichloropropane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Bromodichloromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,4-Dioxane	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Trichloroethene (TCE)	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Heptane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Toluene	<SRL	U	1	1.27	2.19		1	0.97	0.50
2-Hexanone (MBK)	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Dibromochloromethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2-Dibromoethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Chlorobenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Ethylbenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
m & p-Xylene	<SRL	U	1	2.53	<SRL	U	1	1.93	1.00
Bromoform	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Styrene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
o-Xylene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
4-Ethyltoluene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
Hexachlorobutadiene	<SRL	U	1	1.27	<SRL	U	1	0.97	0.50
BFB-Surrogate Std, % Recovery		84%				84%			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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60613				241543-60614				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/04/2024				
Can Dilution Factor	1.49				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Methanol	12.4		1	7.46	13.0		1	7.18	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Ethanol	7.65		1	2.98	8.62		1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Acetone	6.67		1	2.98	7.22		1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	1.58		1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.75	1.06		1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60613				241543-60614				
Date Sampled	07/01/2024				07/01/2024				
Date Analyzed	07/03/2024				07/04/2024				
Can Dilution Factor	1.49				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		84%				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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60615				
Date Sampled	07/01/2024				
Date Analyzed	07/04/2024				
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	13.3		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	6.12		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	6.38		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 : 241543
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/02/2024
DATE REPORTED : 07/05/2024
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	241543-60615				
Date Sampled	07/01/2024				
Date Analyzed	07/04/2024				
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		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

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/03/2024
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	9.04	96
Chlorodifluoromethane	10.20	12.08	118
Propene	10.70	12.23	114
Dichlorodifluoromethane	10.40	11.87	114
Dimethyl Ether	10.40	12.17	117
Chloromethane	10.50	12.24	117
Dichlorotetrafluoroethane	10.20	10.42	102
Vinyl Chloride	10.60	12.23	115
Acetaldehyde HR	20.40	26.91	132
Methanol	22.30	22.77	102
1,3-Butadiene	10.70	13.05	122
Bromomethane	10.40	10.96	105
Chloroethane	10.40	10.46	101
Dichlorofluoromethane	10.30	11.58	112
Ethanol	11.40	13.24	116
Vinyl Bromide	10.60	10.67	101
Acrolein	10.90	12.68	116
Acetone	10.60	11.94	113
Trichlorofluoromethane	10.50	11.05	105
2-Propanol (IPA)	11.00	13.31	121
Acrylonitrile	10.90	12.42	114
1,1-Dichloroethene	10.50	11.16	106
Methylene Chloride (DCM)	10.40	10.88	105
TertButanol (TBA)	11.20	12.83	115
Allyl Chloride	10.70	11.44	107
Carbon Disulfide	10.50	12.33	117
Trichlorotrifluoroethane	10.30	10.55	102
trans-1,2-Dichloroethene	10.80	11.50	106
1,1-Dichloroethane	10.70	12.06	113
Methyl Tert Butyl Ether (MTBE)	10.70	11.50	107
Vinyl Acetate	11.00	13.40	122
2-Butanone (MEK)	10.70	11.51	108
cis-1,2-Dichloroethene	10.70	11.38	106
Hexane	10.80	11.66	108
Chloroform	10.70	11.62	109
Ethyl Acetate	10.70	12.62	118
Tetrahydrofuran	10.40	10.95	105
1,2-Dichloroethane	10.60	12.06	114
1,1,1-Trichloroethane	10.50	11.32	108
Benzene	10.70	10.97	103
Carbon Tetrachloride	10.30	10.34	100
Cyclohexane	10.50	10.69	102

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.02	103
Bromodichloromethane	10.50	10.76	102
1,4-Dioxane	10.50	10.09	96
Trichloroethene (TCE)	10.50	9.95	95
2,2,4-Trimethylpentane	10.60	11.14	105
Methyl Methacrylate	11.00	11.06	101
Heptane	10.50	11.04	105
cis-1,3-Dichloropropene	10.50	10.38	99
4-Methyl-2-pentanone (MiBK)	10.50	11.15	106
trans-1,3-Dichloropropene	10.60	10.09	95
1,1,2-Trichloroethane	10.60	10.14	96
Toluene	10.80	10.27	95
2-Hexanone (MBK)	10.50	11.42	109
Dibromochloromethane	10.60	10.02	95
1,2-Dibromoethane	10.60	9.97	94
Tetrachloroethene (PCE)	10.50	8.95	85
Chlorobenzene	10.80	10.04	93
Ethylbenzene	10.60	10.57	100
m & p-Xylene	21.20	19.68	93
Bromoform	10.60	9.74	92
Styrene	10.60	10.50	99
1,1,2,2-Tetrachloroethane	10.60	10.09	95
o-Xylene	10.60	10.55	100
1,2,3-Trichloropropane	10.60	10.72	101
Isopropylbenzene (Cumene)	10.60	9.95	94
α-Pinene	10.10	10.72	106
2-Chlorotoluene	10.70	9.88	92
n-Propylbenzene	10.60	9.60	91
4-Ethyltoluene	10.40	9.73	94
1,3,5-Trimethylbenzene	10.30	9.53	93
β-Pinene LR	10.90	7.27	67
1,2,4-Trimethylbenzene	10.30	9.59	93
Benzyl Chloride (a-Chlorotoluene)	10.30	7.43	72
1,3-Dichlorobenzene	10.30	9.48	92
1,4-Dichlorobenzene	10.20	9.41	92
Sec-ButylBenzene	10.70	9.47	89
1,2-Dichlorobenzene	10.40	9.55	92
n-ButylBenzene	10.60	8.73	82
1,2-Dibromo-3-Chloropropane	10.30	8.65	84
1,2,4-Trichlorobenzene	10.50	10.01	95
Naphthalene	10.90	12.57	115
Hexachlorobutadiene	10.80	8.57	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%.

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.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/03/2024
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	9.04	8.86	96	94	2.0
1,1-Dichloroethene	0.0	10.50	11.16	10.57	106	101	5.4
Methylene Chloride (DCM)	0.0	10.40	10.88	10.45	105	100	4.0
Benzene	0.0	10.70	10.97	10.86	103	101	1.0
Trichloroethene (TCE)	0.0	10.50	9.95	9.71	95	92	2.4
Toluene	0.0	10.80	10.27	10.38	95	96	1.1
Tetrachloroethene (PCE)	0.0	10.50	8.95	9.30	85	89	3.8
Chlorobenzene	0.0	10.80	10.04	9.73	93	90	3.1
Ethylbenzene	0.0	10.60	10.57	10.36	100	98	2.0
m & p-Xylene	0.0	21.20	19.68	19.30	93	91	1.9
o-Xylene	0.0	10.60	10.55	10.27	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 : 07/03/2024 | **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 070324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	86%	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 070324*	*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 : 07/03/2024
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: TO15 CCV

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	9.04	8.86	2.0
Chlorodifluoromethane	12.1	11.6	4.2
Propene	12.2	12.0	1.8
Dichlorodifluoromethane	11.9	11.2	5.7
Dimethyl Ether	12.2	11.4	6.5
Chloromethane	12.2	11.0	10.9
Dichlorotetrafluoroethane	10.4	9.85	5.6
Vinyl Chloride	12.2	11.7	4.7
Acetaldehyde	26.9	23.7	12.6
Methanol	22.8	22.2	2.6
1,3-Butadiene	13.1	12.4	5.3
Bromomethane	11.0	10.3	6.7
Chloroethane	10.5	9.67	7.8
Dichlorofluoromethane	11.6	11.0	5.4
Ethanol	13.2	13.3	0.2
Vinyl Bromide	10.7	9.95	7.0
Acrolein	12.7	12.5	1.6
Acetone	11.9	11.5	3.9
Trichlorofluoromethane	11.1	10.6	4.1
2-Propanol (IPA)	13.3	12.8	3.6
Acrylonitrile	12.4	11.8	5.0
1,1-Dichloroethene	11.2	10.6	5.4
Methylene Chloride (DCM)	10.9	10.5	4.0
TertButanol (TBA)	12.8	12.2	4.9
Allyl Chloride	11.4	11.1	3.2
Carbon Disulfide	12.3	11.8	4.6
Trichlorotrifluoroethane	10.6	10.2	3.3
trans-1,2-Dichloroethene	11.5	11.0	4.7
1,1-Dichloroethane	12.1	11.5	4.5
Methyl Tert Butyl Ether (MTBE)	11.5	11.1	3.4
Vinyl Acetate	13.4	12.9	4.0
2-Butanone (MEK)	11.5	11.2	3.1
cis-1,2-Dichloroethene	11.4	10.8	5.2
Hexane	11.7	11.1	5.2
Chloroform	11.6	11.2	3.5
Ethyl Acetate	12.6	12.1	4.5
Tetrahydrofuran	11.0	10.2	7.4
1,2-Dichloroethane	12.1	11.7	2.9
1,1,1-Trichloroethane	11.3	10.9	3.8
Benzene	11.0	10.9	1.0
Carbon Tetrachloride	10.3	10.4	0.3
Cyclohexane	10.7	10.4	2.9

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	11.0	10.9	0.7
Bromodichloromethane	10.8	10.8	0.6
1,4-Dioxane	10.1	10.5	4.1
Trichloroethene (TCE)	9.95	9.71	2.4
2,2,4-Trimethylpentane	11.1	11.1	0.4
Methyl Methacrylate	11.1	11.2	1.3
Heptane	11.0	11.0	0.3
cis-1,3-Dichloropropene	10.4	10.4	0.3
4-Methyl-2-pentanone (MiBK)	11.2	11.6	3.6
trans-1,3-Dichloropropene	10.1	11.3	11.4
1,1,2-Trichloroethane	10.1	9.64	5.1
Toluene	10.3	10.4	1.1
2-Hexanone (MBK)	11.4	11.2	1.9
Dibromochloromethane	10.0	9.86	1.6
1,2-Dibromoethane	9.97	10.0	0.4
Tetrachloroethene (PCE)	8.95	9.30	3.8
Chlorobenzene	10.0	9.73	3.1
Ethylbenzene	10.6	10.4	2.0
m & p-Xylene	19.7	19.3	1.9
Bromoform	9.74	9.42	3.3
Styrene	10.5	10.0	4.8
1,1,2,2-Tetrachloroethane	10.1	9.97	1.2
o-Xylene	10.6	10.3	2.7
1,2,3-Trichloropropane	10.7	10.4	3.1
Isopropylbenzene (Cumene)	9.95	9.60	3.6
α-Pinene	10.7	10.6	1.3
2-Chlorotoluene	9.88	9.60	2.9
n-Propylbenzene	9.60	9.23	3.9
4-Ethyltoluene	9.73	9.44	3.0
1,3,5-Trimethylbenzene	9.53	9.33	2.1
β-Pinene	7.27	7.07	2.8
1,2,4-Trimethylbenzene	9.59	9.26	3.5
Benzyl Chloride (a-Chlorotoluene)	7.43	7.56	1.7
1,3-Dichlorobenzene	9.48	9.67	2.0
1,4-Dichlorobenzene	9.41	9.49	0.8
Sec-ButylBenzene	9.47	9.08	4.2
1,2-Dichlorobenzene	9.55	9.48	0.7
n-ButylBenzene	8.73	8.48	2.9
1,2-Dibromo-3-Chloropropane	8.65	9.01	4.1
1,2,4-Trichlorobenzene	10.0	9.82	1.9
Naphthalene	12.6	11.9	5.2
Hexachlorobutadiene	8.57	8.41	1.9

[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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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/04/2024
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	9.08	97
Chlorodifluoromethane	10.20	12.13	119
Propene	10.70	12.69	119
Dichlorodifluoromethane	10.40	11.80	113
Dimethyl Ether	10.40	12.23	118
Chloromethane	10.50	11.33	108
Dichlorotetrafluoroethane	10.20	10.26	101
Vinyl Chloride	10.60	12.24	115
Acetaldehyde	20.40	25.37	124
Methanol	22.30	22.73	102
1,3-Butadiene	10.70	12.49	117
Bromomethane	10.40	10.82	104
Chloroethane	10.40	10.74	103
Dichlorofluoromethane	10.30	11.37	110
Ethanol	11.40	13.43	118
Vinyl Bromide	10.60	10.39	98
Acrolein	10.90	12.18	112
Acetone	10.60	11.76	111
Trichlorofluoromethane	10.50	10.95	104
2-Propanol (IPA)	11.00	13.35	121
Acrylonitrile	10.90	12.18	112
1,1-Dichloroethene	10.50	10.91	104
Methylene Chloride (DCM)	10.40	10.99	106
TertButanol (TBA)	11.20	12.69	113
Allyl Chloride	10.70	11.50	107
Carbon Disulfide	10.50	11.91	113
Trichlorotrifluoroethane	10.30	10.63	103
trans-1,2-Dichloroethene	10.80	11.44	106
1,1-Dichloroethane	10.70	11.92	111
Methyl Tert Butyl Ether (MTBE)	10.70	11.31	106
Vinyl Acetate	11.00	12.96	118
2-Butanone (MEK)	10.70	10.92	102
cis-1,2-Dichloroethene	10.70	11.31	106
Hexane	10.80	11.40	106
Chloroform	10.70	11.52	108
Ethyl Acetate	10.70	12.40	116
Tetrahydrofuran	10.40	10.92	105
1,2-Dichloroethane	10.60	11.92	112
1,1,1-Trichloroethane	10.50	10.97	104
Benzene	10.70	10.89	102
Carbon Tetrachloride	10.30	10.32	100
Cyclohexane	10.50	10.69	102

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.02	103
Bromodichloromethane	10.50	10.64	101
1,4-Dioxane	10.50	10.32	98
Trichloroethene (TCE)	10.50	9.54	91
2,2,4-Trimethylpentane	10.60	11.12	105
Methyl Methacrylate	11.00	11.10	101
Heptane	10.50	10.76	102
cis-1,3-Dichloropropene	10.50	10.29	98
4-Methyl-2-pentanone (MiBK)	10.50	11.02	105
trans-1,3-Dichloropropene	10.60	9.88	93
1,1,2-Trichloroethane	10.60	10.07	95
Toluene	10.80	10.22	95
2-Hexanone (MBK)	10.50	11.54	110
Dibromochloromethane	10.60	9.89	93
1,2-Dibromoethane	10.60	9.90	93
Tetrachloroethene (PCE)	10.50	8.96	85
Chlorobenzene	10.80	9.95	92
Ethylbenzene	10.60	10.55	100
m & p-Xylene	21.20	19.61	93
Bromoform	10.60	9.79	92
Styrene	10.60	10.39	98
1,1,2,2-Tetrachloroethane	10.60	10.08	95
o-Xylene	10.60	10.53	99
1,2,3-Trichloropropane	10.60	10.66	101
Isopropylbenzene (Cumene)	10.60	9.90	93
α-Pinene	10.10	10.91	108
2-Chlorotoluene	10.70	9.72	91
n-Propylbenzene	10.60	9.47	89
4-Ethyltoluene	10.40	9.65	93
1,3,5-Trimethylbenzene	10.30	9.43	92
β-Pinene LR	10.90	6.62	61
1,2,4-Trimethylbenzene	10.30	9.84	96
Benzyl Chloride (a-Chlorotoluene)	10.30	7.38	72
1,3-Dichlorobenzene	10.30	9.36	91
1,4-Dichlorobenzene	10.20	9.27	91
Sec-ButylBenzene	10.70	9.50	89
1,2-Dichlorobenzene	10.40	9.54	92
n-ButylBenzene	10.60	8.56	81
1,2-Dibromo-3-Chloropropane	10.30	8.65	84
1,2,4-Trichlorobenzene	10.50	10.27	98
Naphthalene	10.90	13.30	122
Hexachlorobutadiene	10.80	8.57	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%.

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 : 07/04/2024
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	9.08	8.61	97	92	5.3
1,1-Dichloroethene	0.0	10.50	10.91	10.61	104	101	2.8
Methylene Chloride (DCM)	0.0	10.40	10.99	10.58	106	102	3.8
Benzene	0.0	10.70	10.89	11.06	102	103	1.5
Trichloroethene (TCE)	0.0	10.50	9.54	9.96	91	95	4.3
Toluene	0.0	10.80	10.22	10.57	95	98	3.4
Tetrachloroethene (PCE)	0.0	10.50	8.96	9.46	85	90	5.4
Chlorobenzene	0.0	10.80	9.95	9.81	92	91	1.4
Ethylbenzene	0.0	10.60	10.55	10.43	100	98	1.1
m & p-Xylene	0.0	21.20	19.61	19.19	93	91	2.2
o-Xylene	0.0	10.60	10.53	10.37	99	98	1.5

[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 : 07/04/2024 | **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 070424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	85%	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 070424*	*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 : 07/04/2024
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: 241543-60615

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	7.96	7.82	1.8
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 J	3.12	3.21	2.8
Methanol	13.3	14.2	6.1
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	6.12	6.02	1.7
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	6.38	6.05	5.4
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)

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 241543

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	30-7-9 Silver	TO-15 Full List			END Pressure	Remarks Canister/Controller
MS-07	7-1/2-24	0705-0705	60609	6L SUMMA CANISTER	X	X			OHG	001941/19507
MS-12	7-1/2-24	0715-0715	60610	6L SUMMA CANISTER	X	X			OHG	002033/19508
MS-08	7-1/2-24	0724-0724	60611	6L SUMMA CANISTER	X	X			-16HG	001863/19512
MS-09	7-1/2-24	0737-0737	60612	6L SUMMA CANISTER	X	X			-8HG	001802/19593
MS-10	7-1/2-24	0749-0749	60613	6L SUMMA CANISTER	X	X			-2HG	002076/19596
MS-06	7-1/2-24	0809-0809	60614	6L SUMMA CANISTER	X	X			-1HG	002032/17582
MS-11	7-1/2-24	0830-0830	60615	6L SUMMA CANISTER	X	X			-1HG	001976/19506

	Date	Time		Date	Time
Relinquished by: (Signature) Ed G	7/2/24	0936	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/2/24	0935
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

D/O - 7x cans + 7x mfc Entechs

CHAIN OF CUSTODY RECORD 241543

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	7-1/2-24	0705-0705	60617 ~~60609~~	10 LITER BAG	X	
MS-12	7-1/2-24	0715-0715	60617 ~~60610~~ 60618	10 LITER BAG	X	
MS-08	7-1/2-24	0724-0724	60618 ~~60611~~ 60619	10 LITER BAG	X	
MS-09	7-1/2-24	0737-0737	60619 ~~60612~~ 60620	10 LITER BAG	X	
MS-10	7-1/2-24	0749-0749	60620	10 LITER BAG	X	
MS-06	7-1/2-24	0809-0809	60621	10 LITER BAG	X	
MS-11	7-1/2-24	0830-0830	60622	10 LITER BAG	X	

Relinquished by: (Signature) Ed Guzman	**Date** 7/2/24	**Time** 0936	**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** 7/2/24	**Time** 0935
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. : 241543
REPORT DATE : 07/5/2024

On July 2nd 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	241543-60609	731.7	MS-07	241543-60616	NA
MS-12	241543-60610	729.9	MS-12	241543-60617	NA
MS-08	241543-60611	405.1	MS-08	241543-60618	NA
MS-09	241543-60612	532.6	MS-09	241543-60619	NA
MS-10	241543-60613	684.4	MS-10	241543-606120	NA
MS-06	241543-60614	719.2	MS-06	241543-60621	NA
MS-11	241543-60615	712.3	MS-11	241543-60622	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. : 241543
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01-02/2024
RECEIVING DATE : 07/02/2024
ANALYSIS DATE : 07/04/2024
REPORT DATE : 07/05/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10
AAC ID	241543-60609	241543-60610	241543-60611	241543-60612	241543-60613
Canister Dil. Fac.	1.4	1.4	2.5	1.9	1.5
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
COS / SO2	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Methyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Ethyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Dimethyl Sulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Carbon Disulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Methylethylsulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Diethyl Sulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Dimethyl Disulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
2-Methylthiophene	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
3-Methylthiophene	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Tetrahydrothiophene	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Bromothiophene	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Thiophenol	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Diethyl Disulfide	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.013	< 0.010	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.007	< 0.013	< 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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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241543
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01-02/2024
RECEIVING DATE : 07/02/2024
ANALYSIS DATE : 07/02-04/2024
REPORT DATE : 07/05/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-11	MS-07	MS-12	MS-08
AAC ID	241543-60614	241543-60615	241543-60616	241543-60617	241543-60618
Canister Dil. Fac.	1.4	1.5	NA	NA	NA
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.007	< 0.007	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.007	< 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. : 241543
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/01-02/2024
RECEIVING DATE : 07/02/2024
ANALYSIS DATE : 07/03/2024
REPORT DATE : 07/05/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	241543-60619	241543-60620	241543-60621	241543-60622
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: 7/2/2024
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	10590	0.491	96.1	0.4
Duplicate	10600	0.492	96.2	0.3
Triplicate	10693	0.496	97.0	0.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8844	0.477	95.0	1.8
Duplicate	8872	0.479	95.3	1.5
Triplicate	9299	0.502	99.9	3.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11689	0.485	97.6	3.2
Duplicate	12249	0.508	102.3	1.4
Triplicate	12305	0.511	102.7	1.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241541-60600**

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 **241541-60600 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.232	0.240	90.8	93.9	3.4
MeSH	<PQL	0.251	0.232	0.247	92.4	98.4	6.3
DMS	<PQL	0.249	0.230	0.251	92.6	101.0	8.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.508	101.2
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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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/3/2024
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	10738	0.498	97.4	1.4
Duplicate	10807	0.501	98.1	0.8
Triplicate	11142	0.517	101.1	2.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9219	0.497	99.1	0.9
Duplicate	9248	0.499	99.4	0.6
Triplicate	9453	0.510	101.6	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12395	0.514	103.5	0.4
Duplicate	12528	0.520	104.6	0.6
Triplicate	12421	0.515	103.7	0.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241543-60622**

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 **241543-60622 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.231	0.230	90.4	90.0	0.4
MeSH	<PQL	0.251	0.241	0.244	96.0	97.2	1.2
DMS	<PQL	0.249	0.255	0.267	102.6	107.4	4.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.470	92.0
MeSH	0.502	0.474	94.4
DMS	0.497	0.451	90.7

** 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

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/4/2024
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	10500	0.487	95.3	2.5
Duplicate	10529	0.488	95.5	2.2
Triplicate	11268	0.522	102.2	4.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8986	0.485	96.6	2.4
Duplicate	9002	0.486	96.7	2.2
Triplicate	9638	0.520	103.6	4.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12426	0.516	103.8	0.3
Duplicate	12273	0.509	102.5	0.9
Triplicate	12455	0.517	104.0	0.6

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	0.270	0.252	105.7	98.6	6.9
MeSH	<PQL	0.251	0.273	0.256	108.8	102.0	6.4
DMS	<PQL	0.249	0.270	0.270	108.7	108.7	0.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.470	92.0
MeSH	0.502	0.482	96.0
DMS	0.497	0.479	96.4

** 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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CHAIN OF CUSTODY RECORD 241543

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

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 Day Hold	10-15 Day Hold			24 hr Rush	Remarks canister/controller
MS-07	7-1/2-24	0705-0705	60609	6L Summa Canister	X	X			01HC	001941/19507
MS-12	7-1/2-24	0715-0715	60610	6L Summa Canister	X	X			01HC	002033/19508
MS-08	7-1/2-24	0724-0724	60611	6L Summa Canister	X	X			16HC	001963/19512
MS-09	7-1/2-24	0737-0737	60612	6L Summa Canister	X	X			28HC	001802/19593
MS-10	7-1/2-24	0749-0749	60613	6L Summa Canister	X	X			28HC	002076/19596
MS-06	7-1/2-24	0809-0809	60614	6L Summa Canister	X	X			11HC	002032/17582
MS-11	7-1/2-24	0830-0830	60615	6L Summa Canister	X	X			11HC	001976/19506

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/2/24	0936			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/2/24	0936
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

No 24 cans + 7 controllers

CHAIN OF CUSTODY RECORD 241543

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GRUNA	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	207.9 Sulfur					Remarks
MS-07	7-1/2-24	0705-0705	60616 ~~60609~~	10 LITER BAG	X					
MS-12	7-1/2-24	0715-0715	60617 ~~60610~~ 6w	10 LITER BAG	X					
MS-08	7-1/2-24	0724-0724	60618 ~~60611~~	10 LITER BAG	X					
MS-09	7-1/2-24	0737-0737	60619 ~~60612~~	10 LITER BAG	X					
MS-10	7-1/2-24	0749-0749	60620	10 LITER BAG	X					
MS-06	7-1/2-24	0809-0809	60621	10 LITER BAG	X					
MS-11	7-1/2-24	0830-0830	60622	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/2/24	0936			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/2/24	0955
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.	: 241582
REPORT DATE	: 07/11/2024

On July 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	241582-60818	719.5
MS-12	241582-60819	674.8
MS-08	241582-60820	706.9
MS-09	241582-60821	722.7
MS-10	241582-60822	693.3
MS-06	241582-60823	682.7
MS-11	241582-60824	711.9

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 : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60818				241582-60819				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.42				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.71	0.86		1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Methanol	14.2		1	7.12	15.1		1	7.58	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Ethanol	9.87		1	2.85	10.6		1	3.03	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Acetone	6.71		1	2.85	8.44		1	3.03	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.85	<SRL	U	1	3.03	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	2.85	<SRL	U	1	3.03	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60818				241582-60819				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.42				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		85%				83%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60820				241582-60821				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.44				1.42				
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	1.44	<SRL	U	1	1.42	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	15.2		1	7.19	21.8		1	7.08	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	6.58		1	2.88	8.21		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Acetone	7.01		1	2.88	12.7		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<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	1.44	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.88	<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	1.44	<SRL	U	1	1.42	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60820				241582-60821				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.44				1.42				
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	1.44	<SRL	U	1	1.42	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	1.44	<SRL	U	1	1.42	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	1.44	<SRL	U	1	1.42	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		84%				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 : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60822				241582-60823				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.47				1.50				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.47	<SRL	U	1	1.50	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	13.5		1	7.37	13.4		1	7.48	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	6.15		1	2.95	7.12		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	7.21		1	2.95	8.07		1	2.99	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	2.99	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	1.50	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.99	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	1.50	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	0.82		1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60822				241582-60823				
Date Sampled	07/08/2024				07/08/2024				
Date Analyzed	07/10/2024				07/10/2024				
Can Dilution Factor	1.47				1.50				
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	1.50	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	1.50	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	1.50	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		80%				84%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60824				
Date Sampled	07/08/2024				
Date Analyzed	07/10/2024				
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	14.7		1	7.21	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	5.29		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.72	0.50
Acetone	6.64		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	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	2.88	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 : 241582
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/09/2024
DATE REPORTED : 07/11/2024
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	241582-60824				
Date Sampled	07/08/2024				
Date Analyzed	07/10/2024				
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		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

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/09/2024
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	8.68	92
Chlorodifluoromethane	10.20	11.89	117
Propene	10.70	12.55	117
Dichlorodifluoromethane	10.40	11.54	111
Dimethyl Ether	10.40	11.99	115
Chloromethane	10.50	11.85	113
Dichlorotetrafluoroethane	10.20	9.91	97
Vinyl Chloride	10.60	12.02	113
Acetaldehyde HR	20.40	26.74	131
Methanol	22.30	22.27	100
1,3-Butadiene	10.70	12.42	116
Bromomethane	10.40	10.61	102
Chloroethane	10.40	10.30	99
Dichlorofluoromethane	10.30	11.20	109
Ethanol	11.40	13.35	117
Vinyl Bromide	10.60	10.24	97
Acrolein	10.90	12.21	112
Acetone	10.60	11.59	109
Trichlorofluoromethane	10.50	10.72	102
2-Propanol (IPA)	11.00	12.95	118
Acrylonitrile	10.90	12.20	112
1,1-Dichloroethene	10.50	10.67	102
Methylene Chloride (DCM)	10.40	10.57	102
TertButanol (TBA)	11.20	12.36	110
Allyl Chloride	10.70	11.48	107
Carbon Disulfide	10.50	12.05	115
Trichlorotrifluoroethane	10.30	10.45	101
trans-1,2-Dichloroethene	10.80	11.24	104
1,1-Dichloroethane	10.70	11.85	111
Methyl Tert Butyl Ether (MTBE)	10.70	10.89	102
Vinyl Acetate	11.00	13.37	122
2-Butanone (MEK)	10.70	11.02	103
cis-1,2-Dichloroethene	10.70	10.95	102
Hexane	10.80	11.42	106
Chloroform	10.70	11.41	107
Ethyl Acetate	10.70	12.15	114
Tetrahydrofuran	10.40	10.56	102
1,2-Dichloroethane	10.60	11.62	110
1,1,1-Trichloroethane	10.50	10.96	104
Benzene	10.70	11.06	103
Carbon Tetrachloride	10.30	10.60	103
Cyclohexane	10.50	10.77	103

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.22	105
Bromodichloromethane	10.50	11.01	105
1,4-Dioxane	10.50	10.46	100
Trichloroethene (TCE)	10.50	9.79	93
2,2,4-Trimethylpentane	10.60	11.26	106
Methyl Methacrylate	11.00	11.32	103
Heptane	10.50	11.05	105
cis-1,3-Dichloropropene	10.50	10.51	100
4-Methyl-2-pentanone (MiBK)	10.50	11.06	105
trans-1,3-Dichloropropene	10.60	10.69	101
1,1,2-Trichloroethane	10.60	10.31	97
Toluene	10.80	10.23	95
2-Hexanone (MBK)	10.50	11.60	110
Dibromochloromethane	10.60	10.18	96
1,2-Dibromoethane	10.60	10.08	95
Tetrachloroethene (PCE)	10.50	9.00	86
Chlorobenzene	10.80	9.71	90
Ethylbenzene	10.60	10.38	98
m & p-Xylene	21.20	19.26	91
Bromoform	10.60	9.64	91
Styrene	10.60	10.19	96
1,1,2,2-Tetrachloroethane	10.60	9.91	93
o-Xylene	10.60	10.20	96
1,2,3-Trichloropropane	10.60	10.34	98
Isopropylbenzene (Cumene)	10.60	9.74	92
α-Pinene	10.10	10.04	99
2-Chlorotoluene	10.70	9.61	90
n-Propylbenzene	10.60	9.36	88
4-Ethyltoluene	10.40	9.46	91
1,3,5-Trimethylbenzene	10.30	9.33	91
β-Pinene LR	10.90	5.36	49
1,2,4-Trimethylbenzene	10.30	9.39	91
Benzyl Chloride (a-Chlorotoluene)	10.30	7.39	72
1,3-Dichlorobenzene	10.30	9.24	90
1,4-Dichlorobenzene	10.20	9.13	90
Sec-ButylBenzene	10.70	9.25	86
1,2-Dichlorobenzene	10.40	9.31	90
n-ButylBenzene	10.60	8.41	79
1,2-Dibromo-3-Chloropropane	10.30	8.40	82
1,2,4-Trichlorobenzene	10.50	9.62	92
Naphthalene	10.90	12.24	112
Hexachlorobutadiene	10.80	8.09	75

[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.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/09/2024
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	8.68	8.61	92	92	0.8
1,1-Dichloroethene	0.0	10.50	10.67	10.87	102	104	1.9
Methylene Chloride (DCM)	0.0	10.40	10.57	11.02	102	106	4.2
Benzene	0.0	10.70	11.06	11.09	103	104	0.3
Trichloroethene (TCE)	0.0	10.50	9.79	9.88	93	94	0.9
Toluene	0.0	10.80	10.23	10.54	95	98	3.0
Tetrachloroethene (PCE)	0.0	10.50	9.00	9.29	86	88	3.2
Chlorobenzene	0.0	10.80	9.71	9.50	90	88	2.2
Ethylbenzene	0.0	10.60	10.38	10.39	98	98	0.1
m & p-Xylene	0.0	21.20	19.26	19.41	91	92	0.8
o-Xylene	0.0	10.60	10.20	10.35	96	98	1.5

[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 : 07/09/2024
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 070924*	*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 070924*	*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 : 07/09/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x7.53

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241581-60800

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.33	8.39	0.7
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	<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	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	168	175	4.0
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 241582

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 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 TO-15 SULFUR	TO-15 FULL LIST			WIND PRESSURE	Remarks CANISTER / CONTROLLER
MS-07	7-8/9-24	0700 - 0700	60818	6L SUMMA CANISTER	X	X			-3HG	002118 / 19510
MS-12	7-8/9-24	0708 - 0708	60819	6L SUMMA CANISTER	X	X			0HG	002110 / 05097
MS-08	7-8/9-24	0717 - 0717	60820	6L SUMMA CANISTER	X	X			0HG	002104 / 19511
MS-09	7-8/9-24	0730 - 0730	60821	6L SUMMA CANISTER	X	X			0HG	001818 / 17589
MS-10	7-8/9-24	0741 - 0741	60822	6L SUMMA CANISTER	X	X			-1HG	002028 / FC76
MS-06	7-8/9-24	0801 - 0801	60823	6L SUMMA CANISTER	X	X			0HG	002079 / 19504
MS-11	7-8/9-24	0821 - 0821	60824	6L SUMMA CANISTER	X	X			0HG	001944 / 17587

Relinquished by: (Signature) Ed	**Date** 7/9/24	**Time** 0930	**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** 7/9/24	**Time** 0928
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 241582

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	307-91 SULFUR					Remarks
MS-07	7-8/9-24	0700-0700	60825	10 LITER BAG	X					
MS-12	7-8/9-24	0708-0708	60826	10 LITER BAG	X					
MS-08	7-8/9-24	0717-0717	60827	10 LITER BAG	X					
MS-09	7-8/9-24	0730-0730	60828	10 LITER BAG	X					
MS-10	7-8/9-24	0741-0741	60829	10 LITER BAG	X					
MS-06	7-8/9-24	0801-0801	60830	10 LITER BAG	X					
MS-11	7-8/9-24	0821-0821	60831	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	7/9/24	0930			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/9/24	0928
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

AACUENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241582
REPORT DATE : 07/12/2024

On July 9th 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	241582-60818	719.5	MS-07	241582-60825	N/A
MS-12	241582-60819	674.8	MS-12	241582-60826	N/A
MS-08	241582-60820	706.9	MS-08	241582-60827	N/A
MS-09	241582-60821	722.7	MS-09	241582-60828	N/A
MS-10	241582-60822	693.3	MS-10	241582-60829	N/A
MS-06	241582-60823	682.7	MS-06	241582-60830	N/A
MS-11	241582-60824	711.9	MS-11	241582-60831	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 11 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241582
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08-09/2024
RECEIVING DATE : 07/09/2024
ANALYSIS DATE : 07/11/2024
REPORT DATE : 07/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241582-60818	241582-60819	241582-60820	241582-60821
Canister Dil. Fac.	1.42	1.52	1.44	1.42
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.008	< 0.007	< 0.007
COS / SO2	< 0.007	< 0.008	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.008	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.008	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.008	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.008	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.008	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.008	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.008	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.008	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.008	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.008	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.008	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.008	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.008	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.008	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.007	< 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241582
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08-09/2024
RECEIVING DATE : 07/09/2024
ANALYSIS DATE : 07/11/2024
REPORT DATE : 07/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241582-60822	241582-60823	241582-60824
Canister Dil. Fac.	1.47	1.50	1.44
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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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241582
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08-09/2024
RECEIVING DATE : 07/09/2024
ANALYSIS DATE : 07/09-10/2024
REPORT DATE : 07/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241582-60825	241582-60826	241582-60827	241582-60828
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. : 241582
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/08-09/2024
RECEIVING DATE : 07/09/2024
ANALYSIS DATE : 07/10/2024
REPORT DATE : 07/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241582-60829	241582-60830	241582-60831
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: 7/9/2024
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	10525	0.488	95.5	0.0
Duplicate	10550	0.489	95.7	0.2
Triplicate	10510	0.487	95.4	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9099	0.491	97.8	0.1
Duplicate	9077	0.490	97.5	0.2
Triplicate	9096	0.491	97.8	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12434	0.516	103.8	0.2
Duplicate	12381	0.514	103.4	0.3
Triplicate	12429	0.516	103.8	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	0.245	0.236	95.9	92.4	3.7
MeSH	<PQL	0.251	0.233	0.231	92.8	92.0	0.9
DMS	<PQL	0.249	0.261	0.259	105.0	104.2	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.462	90.4
MeSH	0.502	0.537	107.0
DMS	0.497	0.477	96.0

** 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: 7/10/2024
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	10551	0.489	95.7	1.6
Duplicate	10561	0.490	95.8	1.5
Triplicate	11065	0.513	100.4	3.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9183	0.495	98.7	0.4
Duplicate	9155	0.494	98.4	0.7
Triplicate	9321	0.503	100.2	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12255	0.509	102.3	1.1
Duplicate	12534	0.520	104.6	1.1
Triplicate	12401	0.515	103.5	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241582-60831**

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 **241582-60831 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.235	0.236	92.0	92.4	0.4
MeSH	<PQL	0.251	0.232	0.244	92.4	97.2	5.0
DMS	<PQL	0.249	0.252	0.267	101.4	107.4	5.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.546	106.8
MeSH	0.502	0.535	106.6
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: 7/11/2024
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	10511	0.487	95.4	4.5
Duplicate	11075	0.514	100.5	0.6
Triplicate	11429	0.530	103.7	3.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8865	0.478	95.3	4.7
Duplicate	9465	0.511	101.7	1.7
Triplicate	9587	0.517	103.0	3.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11928	0.495	99.6	3.1
Duplicate	12531	0.520	104.6	1.8
Triplicate	12470	0.517	104.1	1.3

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	0.262	0.239	102.5	93.5	9.2
MeSH	<PQL	0.251	0.266	0.249	106.0	99.2	6.6
DMS	<PQL	0.249	0.270	0.263	108.7	105.8	2.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.521	102.0
MeSH	0.502	0.498	99.2
DMS	0.497	0.512	103.0

** 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 241582

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON CA SOIL/ AIR/ORSAT SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. GUZMAN	

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C 7-9 SUMMA	TO-15 SUMMA			3 BAG SAMPLE	Remarks Canister/Container
MS-07	7-9/21	0720	0720	60818	6L Summa Canister	X	X			346	002181/19510
MS-12	7-9/21	0708	0709	60819	6L Summa Canister	X	X			044	002110/05097
MS-08	7-9/21	0717	0717	60820	6L Summa Canister	X	X			346	002109/19511
MS-09	7-9/21	0732	0730	60821	6L Summa Canister	X	X			044	002118/17589
MS-10	7-9/21	0711	0711	60822	6L Summa Canister	X	X			346	002028/FC76
MS-06	7-9/21	0801	0801	60823	6L Summa Canister	X	X			044	002179/19504
MS-11	7-9/21	0821	0821	60824	6L Summa Canister	X	X			044	001884/17587

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/9/21	0930			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/9/21	0929
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

AACUENTURA

7a can + 7a cond Fan cal

CHAIN OF CUSTODY RECORD 241582

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS / CHEVRON CANYON COUNTRY AIR/ODOR SAMPLING	VALENCIA, CA.	
Project No.	**Field Logbook No.**	
Sampler: (Print) / **(Signature)**	**No. Of Containers**	
ED QUINN	7	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TO-17 & 15 (PAMS)					Remarks
MS-07	7-9/19-21	0700-0700	60825	10 LITER BAG	X					
MS-12	7-9/19-21	0728-0728	60826	10 LITER BAG	X					
MS-08	7-9/19-21	0717-0717	60827	10 LITER BAG	X					
MS-09	7-9/19-21	0730-0730	60828	10 LITER BAG	X					
MS-10	7-9/19-21	0741-0741	60829	10 LITER BAG	X					
MS-06	7-9/19-21	0901-0901	60830	10 LITER BAG	X					
MS-11	7-9/19-21	0821-0821	60831	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/9/21	0930			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/9/21	0928
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

ATACIENTUA

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 241638
REPORT DATE	: 07/19/2024

On July 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	241638-61097	472.8
MS-12	241638-61098	720.9
MS-08	241638-61099	705.9
MS-09	241638-61100	705.9
MS-10	241638-61101	722.8
MS-06	241638-61102	723.2
MS-11	241638-61103	715.5

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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61097				241638-61098				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
Can Dilution Factor	2.18				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Dichlorodifluoromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Methanol	12.3		1	10.9	13.0		1	7.15	5.00
1,3-Butadiene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Ethanol	10.8		1	4.35	7.62		1	2.86	2.00
Vinyl Bromide	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Acetone	6.62		1	4.35	6.25		1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	4.35	<SRL	U	1	2.86	2.00
Acrylonitrile	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	4.35	<SRL	U	1	2.86	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
2-Butanone (MEK)	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61097				241638-61098				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
Can Dilution Factor	2.18				1.43				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Cyclohexane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2-Dichloropropane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Bromodichloromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,4-Dioxane	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Trichloroethene (TCE)	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Heptane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Toluene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
2-Hexanone (MBK)	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Dibromochloromethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2-Dibromoethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Chlorobenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Ethylbenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
m & p-Xylene	<SRL	U	1	2.18	<SRL	U	1	1.43	1.00
Bromoform	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Styrene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
o-Xylene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
4-Ethyltoluene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
Hexachlorobutadiene	<SRL	U	1	1.09	<SRL	U	1	0.71	0.50
BFB-Surrogate Std. % Recovery		90%				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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61099				241638-61100				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
Can Dilution Factor	1.45				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	1.45	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	0.88		1	0.72	0.75		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	12.7		1	7.24	17.0		1	7.24	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	7.01		1	2.90	9.81		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	10.3		1	2.90	7.23		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<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	1.45	<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	0.72	<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	1.45	<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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61099				241638-61100				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
Can Dilution Factor	1.45				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	1.45	<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	1.01		1	0.72	<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	0.72	<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	1.45	<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		86%				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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61101				241638-61102				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
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	0.84		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	10.7		1	7.18	10.8		1	7.03	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	5.60		1	2.87	8.75		1	2.81	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.70	0.50
Acetone	7.09		1	2.87	6.18		1	2.81	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	2.81	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	2.81	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61101				241638-61102				
Date Sampled	07/15/2024				07/15/2024				
Date Analyzed	07/17/2024				07/17/2024				
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		98%				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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61103				
Date Sampled	07/15/2024				
Date Analyzed	07/17/2024				
Can Dilution Factor	1.43				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.43	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	11.8		1	7.16	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	5.04		1	2.86	2.00
Vinyl Bromide	<SRL	U	1	0.72	0.50
Acetone	5.51		1	2.86	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	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	1.43	1.00
Allyl Chloride	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.86	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	1.43	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 : 241638
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/16/2024
DATE REPORTED : 07/19/2024
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	241638-61103				
Date Sampled	07/15/2024				
Date Analyzed	07/17/2024				
Can Dilution Factor	1.43				
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	1.43	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	1.43	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	1.43	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		89%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/17/2024
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	8.76	93
Chlorodifluoromethane	10.20	12.11	119
Propene	10.70	12.92	121
Dichlorodifluoromethane	10.40	11.62	112
Dimethyl Ether	10.40	11.98	115
Chloromethane	10.50	11.54	110
Dichlorotetrafluoroethane	10.20	9.98	98
Vinyl Chloride	10.60	11.90	112
Acetaldehyde	20.40	23.57	116
Methanol	22.30	22.65	102
1,3-Butadiene	10.70	12.38	116
Bromomethane	10.40	10.25	99
Chloroethane	10.40	10.05	97
Dichlorofluoromethane	10.30	11.17	108
Ethanol	11.40	13.37	117
Vinyl Bromide	10.60	9.88	93
Acrolein	10.90	12.35	113
Acetone	10.60	11.53	109
Trichlorofluoromethane	10.50	10.75	102
2-Propanol (IPA)	11.00	13.01	118
Acrylonitrile	10.90	11.69	107
1,1-Dichloroethene	10.50	10.84	103
Methylene Chloride (DCM)	10.40	10.42	100
TertButanol (TBA)	11.20	12.63	113
Allyl Chloride	10.70	11.71	109
Carbon Disulfide	10.50	11.74	112
Trichlorotrifluoroethane	10.30	10.28	100
trans-1,2-Dichloroethene	10.80	10.99	102
1,1-Dichloroethane	10.70	11.96	112
Methyl Tert Butyl Ether (MTBE)	10.70	10.80	101
Vinyl Acetate	11.00	13.34	121
2-Butanone (MEK)	10.70	10.81	101
cis-1,2-Dichloroethene	10.70	10.88	102
Hexane	10.80	10.82	100
Chloroform	10.70	11.35	106
Ethyl Acetate	10.70	12.55	117
Tetrahydrofuran	10.40	11.03	106
1,2-Dichloroethane	10.60	11.85	112
1,1,1-Trichloroethane	10.50	10.95	104
Benzene	10.70	11.13	104
Carbon Tetrachloride	10.30	10.73	104
Cyclohexane	10.50	10.83	103

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.43	107
Bromodichloromethane	10.50	11.07	105
1,4-Dioxane	10.50	10.57	101
Trichloroethene (TCE)	10.50	9.91	94
2,2,4-Trimethylpentane	10.60	11.69	110
Methyl Methacrylate	11.00	11.32	103
Heptane	10.50	11.39	108
cis-1,3-Dichloropropene	10.50	10.41	99
4-Methyl-2-pentanone (MiBK)	10.50	11.65	111
trans-1,3-Dichloropropene	10.60	10.91	103
1,1,2-Trichloroethane	10.60	10.37	98
Toluene	10.80	10.41	96
2-Hexanone (MBK)	10.50	12.19	116
Dibromochloromethane	10.60	10.29	97
1,2-Dibromoethane	10.60	10.11	95
Tetrachloroethene (PCE)	10.50	9.03	86
Chlorobenzene	10.80	9.91	92
Ethylbenzene	10.60	10.58	100
m & p-Xylene	21.20	19.56	92
Bromoform	10.60	9.71	92
Styrene	10.60	10.34	98
1,1,2,2-Tetrachloroethane	10.60	10.15	96
o-Xylene	10.60	10.52	99
1,2,3-Trichloropropane	10.60	10.77	102
Isopropylbenzene (Cumene)	10.60	9.88	93
α-Pinene	10.10	8.58	85
2-Chlorotoluene	10.70	9.85	92
n-Propylbenzene	10.60	9.56	90
4-Ethyltoluene	10.40	9.70	93
1,3,5-Trimethylbenzene	10.30	9.44	92
β-Pinene LR	10.90	4.09	38
1,2,4-Trimethylbenzene	10.30	9.81	95
Benzyl Chloride (a-Chlorotoluene)	10.30	7.28	71
1,3-Dichlorobenzene	10.30	9.29	90
1,4-Dichlorobenzene	10.20	9.40	92
Sec-ButylBenzene	10.70	9.51	89
1,2-Dichlorobenzene	10.40	9.52	92
n-ButylBenzene	10.60	8.65	82
1,2-Dibromo-3-Chloropropane	10.30	8.77	85
1,2,4-Trichlorobenzene	10.50	10.48	100
Naphthalene	10.90	13.44	123
Hexachlorobutadiene	10.80	8.48	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%.

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 : 07/17/2024
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	8.76	8.61	93	92	1.7
1,1-Dichloroethene	0.0	10.50	10.84	11.40	103	109	5.0
Methylene Chloride (DCM)	0.0	10.40	10.42	10.95	100	105	5.0
Benzene	0.0	10.70	11.13	10.96	104	102	1.5
Trichloroethene (TCE)	0.0	10.50	9.91	9.84	94	94	0.7
Toluene	0.0	10.80	10.41	10.61	96	98	1.9
Tetrachloroethene (PCE)	0.0	10.50	9.03	9.36	86	89	3.6
Chlorobenzene	0.0	10.80	9.91	9.69	92	90	2.2
Ethylbenzene	0.0	10.60	10.58	10.46	100	99	1.1
m & p-Xylene	0.0	21.20	19.56	19.13	92	90	2.2
o-Xylene	0.0	10.60	10.52	10.42	99	98	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 : 07/17/2024
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 071724*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	84%	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 071724*	*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 : 07/17/2024
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: TO15 CCV

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.76	8.61	1.7
Chlorodifluoromethane	12.1	12.6	3.7
Propene	12.9	13.6	4.8
Dichlorodifluoromethane	11.6	12.0	3.4
Dimethyl Ether	12.0	12.5	4.2
Chloromethane	11.5	12.7	9.9
Dichlorotetrafluoroethane	9.98	10.4	3.7
Vinyl Chloride	11.9	12.5	4.6
Acetaldehyde	23.6	25.1	6.2
Methanol	22.7	24.2	6.6
1,3-Butadiene	12.4	13.4	7.7
Bromomethane	10.3	11.0	6.7
Chloroethane	10.1	10.4	3.1
Dichlorofluoromethane	11.2	11.7	4.6
Ethanol	13.4	13.8	3.2
Vinyl Bromide	9.88	10.4	5.1
Acrolein	12.4	12.1	1.9
Acetone	11.5	11.7	1.8
Trichlorofluoromethane	10.8	11.1	3.5
2-Propanol (IPA)	13.0	13.7	4.8
Acrylonitrile	11.7	12.0	2.6
1,1-Dichloroethene	10.8	11.4	5.0
Methylene Chloride (DCM)	10.4	11.0	5.0
TertButanol (TBA)	12.6	13.3	5.5
Allyl Chloride	11.7	11.9	1.9
Carbon Disulfide	11.7	12.3	4.9
Trichlorotrifluoroethane	10.3	11.0	6.6
trans-1,2-Dichloroethene	11.0	11.5	4.4
1,1-Dichloroethane	12.0	12.4	3.8
Methyl Tert Butyl Ether (MTBE)	10.8	11.3	4.7
Vinyl Acetate	13.3	13.9	4.0
2-Butanone (MEK)	10.8	11.6	7.3
cis-1,2-Dichloroethene	10.9	11.3	4.1
Hexane	10.8	11.8	9.0
Chloroform	11.4	11.8	4.1
Ethyl Acetate	12.6	13.2	4.9
Tetrahydrofuran	11.0	11.3	2.0
1,2-Dichloroethane	11.9	12.4	4.5
1,1,1-Trichloroethane	11.0	11.5	5.0
Benzene	11.1	11.0	1.5
Carbon Tetrachloride	10.7	10.6	1.3
Cyclohexane	10.8	11.0	1.1

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	11.4	11.4	0.0
Bromodichloromethane	11.1	11.1	0.4
1,4-Dioxane	10.6	10.7	1.2
Trichloroethene (TCE)	9.91	9.84	0.7
2,2,4-Trimethylpentane	11.7	11.5	1.5
Methyl Methacrylate	11.3	11.6	2.0
Heptane	11.4	11.1	2.8
cis-1,3-Dichloropropene	10.4	10.6	1.4
4-Methyl-2-pentanone (MiBK)	11.7	12.2	4.7
trans-1,3-Dichloropropene	10.9	10.9	0.3
1,1,2-Trichloroethane	10.4	10.6	2.6
Toluene	10.4	10.6	1.9
2-Hexanone (MBK)	12.2	11.9	2.5
Dibromochloromethane	10.3	10.0	2.8
1,2-Dibromoethane	10.1	9.97	1.4
Tetrachloroethene (PCE)	9.03	9.36	3.6
Chlorobenzene	9.91	9.69	2.2
Ethylbenzene	10.6	10.5	1.1
m & p-Xylene	19.6	19.1	2.2
Bromoform	9.71	9.54	1.8
Styrene	10.3	10.1	2.2
1,1,2,2-Tetrachloroethane	10.2	10.1	0.9
o-Xylene	10.5	10.4	1.0
1,2,3-Trichloropropane	10.8	10.6	1.7
Isopropylbenzene (Cumene)	9.88	9.67	2.1
α-Pinene	8.58	8.60	0.2
2-Chlorotoluene	9.85	9.56	3.0
n-Propylbenzene	9.56	9.26	3.2
4-Ethyltoluene	9.70	9.53	1.8
1,3,5-Trimethylbenzene	9.44	9.33	1.2
β-Pinene	4.09	3.95	3.5
1,2,4-Trimethylbenzene	9.81	9.49	3.3
Benzyl Chloride (a-Chlorotoluene)	7.28	7.53	3.4
1,3-Dichlorobenzene	9.29	9.80	5.3
1,4-Dichlorobenzene	9.40	9.56	1.7
Sec-ButylBenzene	9.51	9.18	3.5
1,2-Dichlorobenzene	9.52	9.54	0.2
n-ButylBenzene	8.65	8.69	0.5
1,2-Dibromo-3-Chloropropane	8.77	9.07	3.4
1,2,4-Trichlorobenzene	10.5	10.5	0.4
Naphthalene	13.4	13.1	2.5
Hexachlorobutadiene	8.48	8.55	0.8

[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

241638

Client/Project Name: SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING

Project Location: VALENCIA, CA.

Project No.:

Field Logbook No.:

Sampler: (Print): ED. ROMAN

(Signature): Ed

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-7 SUMMA	10-15 FULL LIST			Remarks Canister/Controller
MS-07	7-15/16-24	0700-0700	61097	6L SUMMA CANISTER	X	X			-13HG 002145/19512
MS-12	7-15/16-24	0715-0715	61098	6L SUMMA CANISTER	X	X			01HG 002149/19507
MS-08	7-15/16-24	0724-0724	61099	6L SUMMA CANISTER	X	X			01HG 002138/19593
MS-09	7-15/16-24	0736-0736	~~61099~~ 61100	6L SUMMA CANISTER	X	X			-1HG 002150/17582
MS-10	7-15/16-24	0748-0748	61101	6L SUMMA CANISTER	X	X			-4HG 002154/000708
MS-06	7-15/16-24	0808-0808	61102	6L SUMMA CANISTER	X	X			0HG 002140/19596
MS-11	7-15/16-24	0829-0829	61103	6L SUMMA CANISTER	X	X			-3HG 002147/17588

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	7/16/24	0926			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/16/24	0925
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

P/O - 7x ... + 7x Canister Batches

CHAIN OF CUSTODY RECORD 241638

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 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	2074/15 VOCs					Remarks
MS-07	7-15/16-24	0700-0700	61104	10 LITER BAG	X					
MS-12	7-15/16-24	0715-0715	61105	10 LITER BAG	X					
MS-08	7-15/16-24	0724-0724	61106	10 LITER BAG	X					
MS-09	7-15/16-24	0736-0736	61107	10 LITER BAG	X					
MS-10	7-15/16-24	0748-0748	61108	10 LITER BAG	X					
MS-06	7-15/16-24	0808-0808	61109	10 LITER BAG	X					
MS-11	7-15/16-24	0829-	61110	10 LITER BAG	X					

Relinquished by: (Signature) Ed	**Date** 7/16/24	**Time** 0926	**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** 7/16/24	**Time** 0925
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. : 241638
REPORT DATE : 07/19/2024

On July 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	241638-61097	472.8	MS-07	241638-61104	N/A
MS-12	241638-61098	720.9	MS-12	241638-61105	N/A
MS-08	241638-61099	705.9	MS-08	241638-61106	N/A
MS-09	241638-61100	705.9	MS-09	241638-61107	N/A
MS-10	241638-61101	722.8	MS-10	241638-61108	N/A
MS-06	241638-61102	723.2	MS-06	241638-61109	N/A
MS-11	241638-61103	715.5	MS-11	241638-61110	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. : 241638
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15-16/2024
RECEIVING DATE : 07/16/2024
ANALYSIS DATE : 07/18/2024
REPORT DATE : 07/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241638-61097	241638-61098	241638-61099	241638-61100
Canister Dil. Fac.	2.18	1.43	1.45	1.45
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.011	< 0.007	< 0.007	< 0.007
COS / SO2	< 0.011	< 0.007	< 0.007	< 0.007
Methyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
Ethyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
Dimethyl Sulfide	< 0.011	< 0.007	< 0.007	< 0.007
Carbon Disulfide	< 0.011	< 0.007	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
Methylethylsulfide	< 0.011	< 0.007	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.011	< 0.007	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
Diethyl Sulfide	< 0.011	< 0.007	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.011	< 0.007	< 0.007	< 0.007
Dimethyl Disulfide	< 0.011	< 0.007	< 0.007	< 0.007
2-Methylthiophene	< 0.011	< 0.007	< 0.007	< 0.007
3-Methylthiophene	< 0.011	< 0.007	< 0.007	< 0.007
Tetrahydrothiophene	< 0.011	< 0.007	< 0.007	< 0.007
Bromothiophene	< 0.011	< 0.007	< 0.007	< 0.007
Thiophenol	< 0.011	< 0.007	< 0.007	< 0.007
Diethyl Disulfide	< 0.011	< 0.007	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.011	< 0.007	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.011	< 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.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241638
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15-16/2024
RECEIVING DATE : 07/16/2024
ANALYSIS DATE : 07/18/2024
REPORT DATE : 07/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241638-61101	241638-61102	241638-61103
Canister Dil. Fac.	1.44	1.41	1.43
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.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241638
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15-16/2024
RECEIVING DATE : 07/16/2024
ANALYSIS DATE : 07/16/2024
REPORT DATE : 07/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241638-61104	241638-61105	241638-61106	241638-61107
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. : 241638
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/15-16/2024
RECEIVING DATE : 07/16/2024
ANALYSIS DATE : 07/16/2024
REPORT DATE : 07/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241638-61108	241638-61109	241638-61110
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/16/2024
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	11251	0.522	102.1	3.3
Duplicate	10843	0.503	98.4	0.5
Triplicate	10587	0.491	96.1	2.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9760	0.527	104.9	2.5
Duplicate	9362	0.505	100.6	1.7
Triplicate	9456	0.510	101.6	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12472	0.518	104.1	2.1
Duplicate	12508	0.519	104.4	2.4
Triplicate	11672	0.484	97.5	4.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241636-61083**

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 **241636-61083 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.247	0.236	96.7	92.4	4.6
MeSH	<PQL	0.251	0.243	0.234	96.8	93.2	3.8
DMS	<PQL	0.249	0.262	0.252	105.4	101.4	3.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.484	94.7
MeSH	0.502	0.484	96.4
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/18/2024
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	11020	0.511	100.0	1.5
Duplicate	10506	0.487	95.3	3.3
Triplicate	11052	0.512	100.3	1.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8947	0.483	96.1	0.5
Duplicate	8910	0.481	95.8	0.1
Triplicate	8855	0.478	95.2	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12368	0.513	103.3	0.9
Duplicate	12026	0.499	100.4	1.9
Triplicate	12364	0.513	103.2	0.9

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	0.275	0.268	107.6	104.9	2.6
MeSH	<PQL	0.251	0.251	0.260	100.0	103.6	3.5
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	0.524	102.5
MeSH	0.502	0.529	105.4
DMS	0.497	0.535	107.6

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

241638

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: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30-g/Sulfur	10-15 Fixed List	End Pressure	Remarks Canister/Controller
MS-07	7-15/16-24	0700-0700	61097	6L SUMMA CANISTER	X	X		-13HG 002145/19512
MS-12	7-15/16-24	0715-0715	61098	6L SUMMA CANISTER	X	X		0HG 002149/19507
MS-08	7-15/16-24	0724-0724	61099	6L SUMMA CANISTER	X	X		0HG 002138/19593
MS-09	7-15/16-24	0736-0736	~~61099~~ 61100	6L SUMMA CANISTER	X	X		-1HG 002150/17582
MS-10	7-15/16-24	0748-0748	61101	6L SUMMA CANISTER	X	X		-4HG 002154/000708
MS-06	7-15/16-24	0808-0808	61102	6L SUMMA CANISTER	X	X		0HG 002140/19596
MS-11	7-15/16-24	0829-0829	61103	6L SUMMA CANISTER	X	X		-3HG 002147/17588

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	7/16/24	0926	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/16/24	0925
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

O/O - 7x cans + 7x coated Entechs

CHAIN OF CUSTODY RECORD 241638

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 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	2079/SULFUR					Remarks
MS-07	7-15/16-24	0700 - 0700	61104	10 LITER BAG	X					
MS-12	7-15/16-24	0715 - 0715	61105	10 LITER BAG	X					
MS-08	7-15/16-24	0724 - 0724	61106	10 LITER BAG	X					
MS-09	7-15/16-24	0736 - 0736	61107	10 LITER BAG	X					
MS-10	7-15/16-24	0748 - 0748	61108	10 LITER BAG	X					
MS-06	7-15/16-24	0808 - 0808	61109	10 LITER BAG	X					
MS-11	7-15/16-24	0829 -	61110	10 LITER BAG	X					

Relinquished by: (Signature) Ed	**Date** 7/16/24	**Time** 0926	**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** 7/16/24	**Time** 0925
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.	: 241699
REPORT DATE	: 07/25/2024

On July 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	241699-61404	546.3
MS-12	241699-61405	596.0
MS-08	241699-61406	592.6
MS-09	241699-61407	587.0
MS-10	241699-61408	578.2
MS-06	241699-61409	562.9
MS-11	241699-61410	542.8

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 : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61404				241699-61405				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.86				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Dichlorodifluoromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Chloromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Methanol	19.6		1	9.30	20.1		1	8.51	5.00
1,3-Butadiene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Ethanol	15.4		1	3.72	10.8		1	3.40	2.00
Vinyl Bromide	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Acetone	8.78		1	3.72	7.35		1	3.40	2.00
Trichlorofluoromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	<SRL	U	1	3.72	<SRL	U	1	3.40	2.00
Acrylonitrile	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Allyl Chloride	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Carbon Disulfide	<SRL	U	1	3.72	<SRL	U	1	3.40	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
2-Butanone (MEK)	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61404				241699-61405				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.86				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Cyclohexane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2-Dichloropropane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Bromodichloromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,4-Dioxane	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Trichloroethene (TCE)	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Heptane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Toluene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
2-Hexanone (MBK)	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Dibromochloromethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2-Dibromoethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Chlorobenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Ethylbenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
m & p-Xylene	<SRL	U	1	1.86	<SRL	U	1	1.70	1.00
Bromoform	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Styrene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
o-Xylene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
4-Ethyltoluene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
Hexachlorobutadiene	<SRL	U	1	0.93	<SRL	U	1	0.85	0.50
BFB-Surrogate Std, % Recovery		87%				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 : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61406				241699-61407				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.74				1.73				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Propene	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Dichlorodifluoromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Chloromethane	0.90		1	0.87	<SRL	U	1	0.86	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Vinyl Chloride	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Methanol	16.6		1	8.69	21.9		1	8.64	5.00
1,3-Butadiene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Bromomethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Chloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Dichlorofluoromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Ethanol	6.14		1	3.48	8.16		1	3.46	2.00
Vinyl Bromide	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Acetone	6.47		1	3.48	12.1		1	3.46	2.00
Trichlorofluoromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
2-Propanol (IPA)	<SRL	U	1	3.48	<SRL	U	1	3.46	2.00
Acrylonitrile	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,1-Dichloroethene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Allyl Chloride	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Carbon Disulfide	<SRL	U	1	3.48	<SRL	U	1	3.46	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,1-Dichloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Vinyl Acetate	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
2-Butanone (MEK)	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Hexane	<SRL	U	1	0.87	1.02		1	0.86	0.50
Chloroform	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Ethyl Acetate	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Tetrahydrofuran	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,2-Dichloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Benzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61406				241699-61407				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.74				1.73				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Cyclohexane	<SRL	U	1	0.87	0.93		1	0.86	0.50
1,2-Dichloropropane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Bromodichloromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,4-Dioxane	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Trichloroethene (TCE)	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Heptane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Toluene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
2-Hexanone (MBK)	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Dibromochloromethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,2-Dibromoethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Chlorobenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Ethylbenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
m & p-Xylene	<SRL	U	1	1.74	<SRL	U	1	1.73	1.00
Bromoform	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Styrene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
o-Xylene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
4-Ethyltoluene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
Hexachlorobutadiene	<SRL	U	1	0.87	<SRL	U	1	0.86	0.50
BFB-Surrogate Std. % Recovery		88%				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 : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61408				241699-61409				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.78				1.82				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Propene	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Dichlorodifluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Vinyl Chloride	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methanol	16.5		1	8.91	15.3		1	9.11	5.00
1,3-Butadiene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Bromomethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Dichlorofluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethanol	6.86		1	3.56	11.4		1	3.64	2.00
Vinyl Bromide	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Acetone	8.21		1	3.56	6.72		1	3.64	2.00
Trichlorofluoromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Propanol (IPA)	<SRL	U	1	3.56	<SRL	U	1	3.64	2.00
Acrylonitrile	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Allyl Chloride	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Carbon Disulfide	<SRL	U	1	3.56	<SRL	U	1	3.64	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1-Dichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Vinyl Acetate	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Butanone (MEK)	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Hexane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chloroform	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethyl Acetate	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Tetrahydrofuran	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Benzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61408				241699-61409				
Date Sampled	07/22/2024				07/22/2024				
Date Analyzed	07/24/2024				07/24/2024				
Can Dilution Factor	1.78				1.82				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Cyclohexane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichloropropane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Bromodichloromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,4-Dioxane	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Trichloroethene (TCE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Heptane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Toluene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
2-Hexanone (MBK)	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Dibromochloromethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dibromoethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Chlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Ethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
m & p-Xylene	<SRL	U	1	1.78	<SRL	U	1	1.82	1.00
Bromoform	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Styrene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
o-Xylene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
4-Ethyltoluene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
Hexachlorobutadiene	<SRL	U	1	0.89	<SRL	U	1	0.91	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61410				
Date Sampled	07/22/2024				
Date Analyzed	07/24/2024				
Can Dilution Factor	1.87				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.93	0.50
Propene	<SRL	U	1	1.87	1.00
Dichlorodifluoromethane	<SRL	U	1	0.93	0.50
Chloromethane	0.99		1	0.93	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.93	0.50
Vinyl Chloride	<SRL	U	1	0.93	0.50
Methanol	25.9		1	9.35	5.00
1,3-Butadiene	<SRL	U	1	0.93	0.50
Bromomethane	<SRL	U	1	0.93	0.50
Chloroethane	<SRL	U	1	0.93	0.50
Dichlorofluoromethane	<SRL	U	1	0.93	0.50
Ethanol	7.14		1	3.74	2.00
Vinyl Bromide	<SRL	U	1	0.93	0.50
Acetone	17.1		1	3.74	2.00
Trichlorofluoromethane	<SRL	U	1	0.93	0.50
2-Propanol (IPA)	<SRL	U	1	3.74	2.00
Acrylonitrile	<SRL	U	1	0.93	0.50
1,1-Dichloroethene	<SRL	U	1	0.93	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.87	1.00
Allyl Chloride	<SRL	U	1	1.87	1.00
Carbon Disulfide	<SRL	U	1	3.74	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.93	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.93	0.50
1,1-Dichloroethane	<SRL	U	1	0.93	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.93	0.50
Vinyl Acetate	<SRL	U	1	0.93	0.50
2-Butanone (MEK)	2.28		1	1.87	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.93	0.50
Hexane	<SRL	U	1	0.93	0.50
Chloroform	<SRL	U	1	0.93	0.50
Ethyl Acetate	<SRL	U	1	0.93	0.50
Tetrahydrofuran	<SRL	U	1	0.93	0.50
1,2-Dichloroethane	<SRL	U	1	0.93	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.93	0.50
Benzene	<SRL	U	1	0.93	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241699
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/23/2024
DATE REPORTED : 07/25/2024
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	241699-61410				
Date Sampled	07/22/2024				
Date Analyzed	07/24/2024				
Can Dilution Factor	1.87				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.93	0.50
Cyclohexane	<SRL	U	1	0.93	0.50
1,2-Dichloropropane	<SRL	U	1	0.93	0.50
Bromodichloromethane	<SRL	U	1	0.93	0.50
1,4-Dioxane	<SRL	U	1	1.87	1.00
Trichloroethene (TCE)	<SRL	U	1	0.93	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.93	0.50
Heptane	<SRL	U	1	0.93	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.93	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.93	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.93	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.93	0.50
Toluene	1.07		1	0.93	0.50
2-Hexanone (MBK)	<SRL	U	1	1.87	1.00
Dibromochloromethane	<SRL	U	1	0.93	0.50
1,2-Dibromoethane	<SRL	U	1	0.93	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.93	0.50
Chlorobenzene	<SRL	U	1	0.93	0.50
Ethylbenzene	<SRL	U	1	0.93	0.50
m & p-Xylene	<SRL	U	1	1.87	1.00
Bromoform	<SRL	U	1	0.93	0.50
Styrene	<SRL	U	1	0.93	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.93	0.50
o-Xylene	<SRL	U	1	0.93	0.50
4-Ethyltoluene	<SRL	U	1	0.93	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.93	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.93	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.93	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.93	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.93	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.93	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.93	0.50
Hexachlorobutadiene	<SRL	U	1	0.93	0.50
BFB-Surrogate Std. % Recovery		85%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/24/2024
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	9.17	98
Chlorodifluoromethane	10.20	13.09	128
Propene	10.70	13.30	124
Dichlorodifluoromethane	10.40	12.11	116
Dimethyl Ether	10.40	13.24	127
Chloromethane	10.50	12.84	122
Dichlorotetrafluoroethane	10.20	10.18	100
Vinyl Chloride	10.60	12.65	119
Acetaldehyde	20.40	24.73	121
Methanol	22.30	23.63	106
1,3-Butadiene	10.70	13.26	124
Bromomethane	10.40	10.63	102
Chloroethane	10.40	10.30	99
Dichlorofluoromethane	10.30	11.38	110
Ethanol	11.40	14.05	123
Vinyl Bromide	10.60	10.41	98
Acrolein	10.90	13.11	120
Acetone	10.60	12.33	116
Trichlorofluoromethane	10.50	11.29	108
2-Propanol (IPA)	11.00	14.22	129
Acrylonitrile	10.90	13.01	119
1,1-Dichloroethene	10.50	10.99	105
Methylene Chloride (DCM)	10.40	10.86	104
TertButanol (TBA)	11.20	13.29	119
Allyl Chloride	10.70	12.51	117
Carbon Disulfide	10.50	11.86	113
Trichlorotrifluoroethane	10.30	10.76	104
trans-1,2-Dichloroethene	10.80	11.48	106
1,1-Dichloroethane	10.70	12.34	115
Methyl Tert Butyl Ether (MTBE)	10.70	11.28	105
Vinyl Acetate	11.00	13.51	123
2-Butanone (MEK)	10.70	11.47	107
cis-1,2-Dichloroethene	10.70	11.25	105
Hexane	10.80	10.82	100
Chloroform	10.70	11.71	109
Ethyl Acetate	10.70	13.55	127
Tetrahydrofuran	10.40	11.17	107
1,2-Dichloroethane	10.60	12.37	117
1,1,1-Trichloroethane	10.50	11.36	108
Benzene	10.70	11.11	104
Carbon Tetrachloride	10.30	10.63	103
Cyclohexane	10.50	10.76	102

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.51	108
Bromodichloromethane	10.50	11.10	106
1,4-Dioxane	10.50	10.27	98
Trichloroethene (TCE)	10.50	9.91	94
2,2,4-Trimethylpentane	10.60	11.85	112
Methyl Methacrylate	11.00	11.48	104
Heptane	10.50	11.28	107
cis-1,3-Dichloropropene	10.50	10.45	100
4-Methyl-2-pentanone (MiBK)	10.50	11.81	112
trans-1,3-Dichloropropene	10.60	10.17	96
1,1,2-Trichloroethane	10.60	10.45	99
Toluene	10.80	10.39	96
2-Hexanone (MBK)	10.50	12.21	116
Dibromochloromethane	10.60	10.27	97
1,2-Dibromoethane	10.60	10.19	96
Tetrachloroethene (PCE)	10.50	8.93	85
Chlorobenzene	10.80	10.09	93
Ethylbenzene	10.60	10.91	103
m & p-Xylene	21.20	20.34	96
Bromoform	10.60	10.01	94
Styrene	10.60	10.85	102
1,1,2,2-Tetrachloroethane	10.60	10.54	99
o-Xylene	10.60	10.97	103
1,2,3-Trichloropropane	10.60	11.23	106
Isopropylbenzene (Cumene)	10.60	10.33	97
α-Pinene	10.10	9.61	95
2-Chlorotoluene	10.70	10.29	96
n-Propylbenzene	10.60	9.98	94
4-Ethyltoluene	10.40	10.16	98
1,3,5-Trimethylbenzene	10.30	10.04	97
β-Pinene LR	10.90	4.24	39
1,2,4-Trimethylbenzene	10.30	10.17	99
Benzyl Chloride (a-Chlorotoluene)	10.30	7.60	74
1,3-Dichlorobenzene	10.30	10.05	98
1,4-Dichlorobenzene	10.20	9.98	98
Sec-ButylBenzene	10.70	10.02	94
1,2-Dichlorobenzene	10.40	10.00	96
n-ButylBenzene	10.60	9.08	86
1,2-Dibromo-3-Chloropropane	10.30	8.91	87
1,2,4-Trichlorobenzene	10.50	10.73	102
Naphthalene	10.90	13.97	128
Hexachlorobutadiene	10.80	8.91	83

[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 : 07/24/2024
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	9.17	8.84	98	94	3.7
1,1-Dichloroethene	0.0	10.50	10.99	10.71	105	102	2.6
Methylene Chloride (DCM)	0.0	10.40	10.86	10.64	104	102	2.0
Benzene	0.0	10.70	11.11	10.99	104	103	1.1
Trichloroethene (TCE)	0.0	10.50	9.91	9.74	94	93	1.7
Toluene	0.0	10.80	10.39	10.40	96	96	0.1
Tetrachloroethene (PCE)	0.0	10.50	8.93	8.94	85	85	0.1
Chlorobenzene	0.0	10.80	10.09	9.91	93	92	1.8
Ethylbenzene	0.0	10.60	10.91	10.68	103	101	2.1
m & p-Xylene	0.0	21.20	20.34	19.70	96	93	3.2
o-Xylene	0.0	10.60	10.97	10.55	103	100	3.9

[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 : 07/24/2024 | **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 072424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	84%	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 072424*	*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 : 07/24/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.87

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241699-61410

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	7.97	8.16	2.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene J	1.25	1.27	1.5
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	<SRL	<SRL	*NA*
Chloromethane	0.99	1.01	1.9
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	21.5	22.1	2.9
Methanol	25.9	24.3	6.3
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	7.14	6.62	7.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	17.1	17.2	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)	2.28	2.24	1.7
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	1.07	1.03	3.6
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	<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

CHAIN OF CUSTODY RECORD 24699

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON CANDI-III AIR/ORDOR 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 TO 1 SULFUR	10-15 FULL LIST			END PRESSURE	Remarks CANISTER/CONTROLLER
MS-07	7-22/23-24	0705-0705	61404	6L SUMMA CANISTER	X	X			0 HG	002017/05097
MS-12	7-22/23-24	0717-0717	61405	6L SUMMA CANISTER	X	X			-3 HG	001845/19510
MS-08	7-22/23-24	0722-0722	61406	6L SUMMA CANISTER	X	X			0 HG	002107/19508
MS-09	7-22/23-24	0733-0733	61407	6L SUMMA CANISTER	X	X			-2 HG	002100/19506
MS-10	7-22/23-24	0748-0748	61408	6L SUMMA CANISTER	X	X			0 HG	001979/19511
MS-06	7-22/23-24	0802-0802	61409	6L SUMMA CANISTER	X	X			0 HG	001810/19504
MS-11	7-22/23-24	0825-0825	61410	6L SUMMA CANISTER	X	X			-2 HG	001931/FC76

	Date	Time		Date	Time
Relinquished by: (Signature)	7/23/24	0939	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/23/24	0937
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

0/0 - 7x cans + 7x Canister Fittings

CHAIN OF CUSTODY RECORD 241699

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	307-91 SULFUR	Remarks
MS-07	7-22/23-24	0705-0705	61411	10 LITER BAG	X	
MS-12	7-22/23-24	0717-0717	61412	10 LITER BAG	X	
MS-08	7-22/23-24	0722-0722	61413	10 LITER BAG	X	
MS-09	7-22/23-24	0733-0733	61414	10 LITER BAG	X	
MS-10	7-22/23-24	0748-0748	61415	10 LITER BAG	X	
MS-06	7-22/23-24	0802-0802	61416	10 LITER BAG	X	
MS-11	7-22/23-24	0825-0825	61417	10 LITER BAG	X	

Relinquished by: (Signature) Ed	**Date** 7/23/24	**Time** 0939	**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** 7/23/24	**Time** 0937
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. : 241699
REPORT DATE : 07/29/2024

On July 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.	Return Pressure (mmHg)
MS-07	241699-61404	546.3	MS-07	241699-61411	N/A
MS-12	241699-61405	596.0	MS-12	241699-61412	N/A
MS-08	241699-61406	592.6	MS-08	241699-61413	N/A
MS-09	241699-61407	587.0	MS-09	241699-61414	N/A
MS-10	241699-61408	578.2	MS-10	241699-61415	N/A
MS-06	241699-61409	562.9	MS-06	241699-61416	N/A
MS-11	241699-61410	542.8	MS-11	241699-61417	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 10 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22-23/2024
RECEIVING DATE : 07/23/2024
ANALYSIS DATE : 07/26/2024
REPORT DATE : 07/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241699-61404	241699-61405	241699-61406	241699-61407
Canister Dil. Fac.	1.86	1.70	1.74	1.73
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.009	< 0.009	< 0.009	< 0.009
COS / SO2	< 0.009	< 0.009	< 0.009	< 0.009
Methyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
Ethyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
Dimethyl Sulfide	< 0.009	< 0.009	< 0.009	< 0.009
Carbon Disulfide	< 0.009	< 0.009	< 0.009	< 0.009
Isopropyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
tert-Butyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
n-Propyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
Methylethylsulfide	< 0.009	< 0.009	< 0.009	< 0.009
sec-Butyl Mercaptan / Thiophene	< 0.009	< 0.009	< 0.009	< 0.009
iso-Butyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
Diethyl Sulfide	< 0.009	< 0.009	< 0.009	< 0.009
n-Butyl Mercaptan	< 0.009	< 0.009	< 0.009	< 0.009
Dimethyl Disulfide	< 0.009	< 0.009	< 0.009	< 0.009
2-Methylthiophene	< 0.009	< 0.009	< 0.009	< 0.009
3-Methylthiophene	< 0.009	< 0.009	< 0.009	< 0.009
Tetrahydrothiophene	< 0.009	< 0.009	< 0.009	< 0.009
Bromothiophene	< 0.009	< 0.009	< 0.009	< 0.009
Thiophenol	< 0.009	< 0.009	< 0.009	< 0.009
Diethyl Disulfide	< 0.009	< 0.009	< 0.009	< 0.009
Total Unidentified Sulfur	< 0.009	< 0.009	< 0.009	< 0.009
Total Reduced Sulfurs	< 0.009	< 0.009	< 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. : 241699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22-23/2024
RECEIVING DATE : 07/23/2024
ANALYSIS DATE : 07/26/2024
REPORT DATE : 07/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241699-61408	241699-61409	241699-61410
Canister Dil. Fac.	1.78	1.82	1.87
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.009	< 0.009	< 0.009
COS / SO2	< 0.009	< 0.009	< 0.009
Methyl Mercaptan	< 0.009	< 0.009	< 0.009
Ethyl Mercaptan	< 0.009	< 0.009	< 0.009
Dimethyl Sulfide	< 0.009	< 0.009	< 0.009
Carbon Disulfide	< 0.009	< 0.009	< 0.009
Isopropyl Mercaptan	< 0.009	< 0.009	< 0.009
tert-Butyl Mercaptan	< 0.009	< 0.009	< 0.009
n-Propyl Mercaptan	< 0.009	< 0.009	< 0.009
Methylethylsulfide	< 0.009	< 0.009	< 0.009
sec-Butyl Mercaptan / Thiophene	< 0.009	< 0.009	< 0.009
iso-Butyl Mercaptan	< 0.009	< 0.009	< 0.009
Diethyl Sulfide	< 0.009	< 0.009	< 0.009
n-Butyl Mercaptan	< 0.009	< 0.009	< 0.009
Dimethyl Disulfide	< 0.009	< 0.009	< 0.009
2-Methylthiophene	< 0.009	< 0.009	< 0.009
3-Methylthiophene	< 0.009	< 0.009	< 0.009
Tetrahydrothiophene	< 0.009	< 0.009	< 0.009
Bromothiophene	< 0.009	< 0.009	< 0.009
Thiophenol	< 0.009	< 0.009	< 0.009
Diethyl Disulfide	< 0.009	< 0.009	< 0.009
Total Unidentified Sulfur	< 0.009	< 0.009	< 0.009
Total Reduced Sulfurs	< 0.009	< 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. : 241699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22-23/2024
RECEIVING DATE : 07/23/2024
ANALYSIS DATE : 07/23/2024
REPORT DATE : 07/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241699-61411	241699-61412	241699-61413	241699-61414
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. : 241699
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22-23/2024
RECEIVING DATE : 07/23/2024
ANALYSIS DATE : 07/23-24/2024
REPORT DATE : 07/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241699-61415	241699-61416	241699-61417
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: 7/23/2024
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	11082	0.514	100.6	0.5
Duplicate	11135	0.516	101.0	0.0
Triplicate	11193	0.519	101.6	0.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9313	0.502	100.1	1.9
Duplicate	9518	0.513	102.3	0.2
Triplicate	9652	0.521	103.7	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12491	0.518	104.3	0.2
Duplicate	12500	0.519	104.4	0.1
Triplicate	12561	0.521	104.9	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241694-61374**

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 **241694-61374 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.242	0.243	94.7	95.1	0.4
MeSH	<PQL	0.251	0.254	0.249	101.2	99.2	2.0
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	0.460	90.0
MeSH	0.502	0.457	91.0
DMS	0.497	0.472	95.0

** 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: 7/24/2024
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	10616	0.492	96.3	1.4
Duplicate	10879	0.504	98.7	1.0
Triplicate	10808	0.501	98.1	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8847	0.477	95.1	3.7
Duplicate	9400	0.507	101.0	2.3
Triplicate	9311	0.502	100.1	1.4

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11974	0.497	100.0	1.6
Duplicate	12489	0.518	104.3	2.6
Triplicate	12043	0.500	100.6	1.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241699-61417**

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 **241699-61417 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.244	0.252	95.5	98.6	3.2
MeSH	<PQL	0.251	0.264	0.271	105.2	108.0	2.6
DMS	<PQL	0.249	0.270	0.269	108.7	108.2	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.460	90.0
MeSH	0.502	0.455	90.6
DMS	0.497	0.464	93.4

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: 7/26/2024
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	11113	0.515	100.8	0.1
Duplicate	11261	0.522	102.2	1.5
Triplicate	10919	0.506	99.1	1.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9537	0.514	102.5	0.7
Duplicate	9494	0.512	102.0	0.2
Triplicate	9390	0.507	100.9	0.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12429	0.516	103.8	0.2
Duplicate	12455	0.517	104.0	0.1
Triplicate	12461	0.517	104.0	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	0.264	0.253	103.3	99.0	4.3
MeSH	<PQL	0.251	0.264	0.263	105.2	104.8	0.4
DMS	<PQL	0.249	0.271	0.273	109.1	109.9	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.497	97.3
MeSH	0.502	0.505	100.6
DMS	0.497	0.522	105.0

**** 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

CHAIN OF CUSTODY RECORD 241699

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 SUMMA	10-15 day SUMMA			ED. ARROYO	Remarks Canister/Controller
MS-07	7-22/23-24	0705-0705	61404	6L SUMMA CANISTER	X	X			OHC	00201/05097
MS-12	7-22/23-24	0717-0717	61405	6L SUMMA CANISTER	X	X			3HC	01845/19510
MS-08	7-22/23-24	0722-0722	61406	6L SUMMA CANISTER	X	X			OHC	00210/19508
MS-09	7-22/23-24	0733-0733	61407	6L SUMMA CANISTER	X	X			2HC	00210/19506
MS-10	7-22/23-24	0748-0748	61408	6L SUMMA CANISTER	X	X			OHC	00197/19511
MS-06	7-22/23-24	0802-0802	61409	6L SUMMA CANISTER	X	X			OHC	00210/19504
MS-11	7-22/23-24	0825-0825	61410	6L SUMMA CANISTER	X	X			2HC	00931/FC76

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Guzman	7/23/24	0939			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			[signature]	7/23/24	0937
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

O/O – 7x cans + 7x Canister Extra

CHAIN OF CUSTODY RECORD 241699

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	307-91 SUMA	Remarks
MS-07	7-22/23-2	0705	0705	61411	10 LITER BAG	X	
MS-12	7-22/23-2	0717	0717	61412	10 LITER BAG	X	
MS-08	7-22/23-2	0722	0722	61413	10 LITER BAG	X	
MS-09	7-22/23-2	0733	0733	61414	10 LITER BAG	X	
MS-10	7-22/23-2	0748	0748	61415	10 LITER BAG	X	
MS-06	7-22/23-2	0802	0802	61416	10 LITER BAG	X	
MS-11	7-22/23-2	0825	0825	61417	10 LITER BAG	X	

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	7/23/24	0939	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/25/24	0937
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. : 241775
REPORT DATE : 08/01/2024

On July 30, 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	241775-61851	723.2
MS-12	241775-61852	306.3
MS-08	241775-61853	748.2
MS-09	241775-61854	749.2
MS-10	241775-61855	446.8
MS-06	241775-61856	693.9
MS-11	241775-61857	639.1

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 : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61851				241775-61852				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	1.42				3.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Methanol	9.01		1	7.08	<SRL	U	1	17.7	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Ethanol	5.26		1	2.83	<SRL	U	1	7.07	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Acetone	5.76		1	2.83	<SRL	U	1	7.07	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	<SRL	U	1	7.07	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	7.07	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61851				241775-61852				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	1.42				3.53				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	3.53	1.00
Bromoform	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	1.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	1.77	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 : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61853				241775-61854				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	1.36				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Propene	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Methanol	9.23		1	6.78	8.15		1	6.80	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Ethanol	4.30		1	2.71	2.79		1	2.72	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Acetone	7.89		1	2.71	8.58		1	2.72	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
2-Propanol (IPA)	<SRL	U	1	2.71	<SRL	U	1	2.72	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Allyl Chloride	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Carbon Disulfide	<SRL	U	1	2.71	<SRL	U	1	2.72	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Vinyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
2-Butanone (MEK)	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Benzene	<SRL	U	1	0.68	<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 : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61853				241775-61854				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	1.36				1.36				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,4-Dioxane	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
2-Hexanone (MBK)	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
m & p-Xylene	<SRL	U	1	1.36	<SRL	U	1	1.36	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.68	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.68	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 : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61855				241775-61856				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	2.29				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	11.4	9.86		1	7.31	5.00
1,3-Butadiene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	4.58	4.34		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Acetone	9.43		1	4.58	6.21		1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	4.58	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	4.58	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61855				241775-61856				
Date Sampled	07/29/2024				07/29/2024				
Date Analyzed	07/31/2024				07/31/2024				
Can Dilution Factor	2.29				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Toluene	1.65		1	1.14	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	2.29	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.14	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	1.14	<SRL	U	1	0.73	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 : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61857				
Date Sampled	07/29/2024				
Date Analyzed	07/31/2024				
Can Dilution Factor	1.61				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	0.50
Propene	<SRL	U	1	1.61	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	84.2		1	8.03	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	4.75		1	3.21	2.00
Vinyl Bromide	<SRL	U	1	0.80	0.50
Acetone	9.09		1	3.21	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	<SRL	U	1	3.21	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	1.61	1.00
Allyl Chloride	<SRL	U	1	1.61	1.00
Carbon Disulfide	<SRL	U	1	3.21	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	1.61	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241775
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 07/30/2024
DATE REPORTED : 08/01/2024
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	241775-61857				
Date Sampled	07/29/2024				
Date Analyzed	07/31/2024				
Can Dilution Factor	1.61				
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	1.61	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	1.70		1	0.80	0.50
2-Hexanone (MBK)	<SRL	U	1	1.61	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	1.61	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.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 07/31/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.53	101
Chlorodifluoromethane	10.20	9.47	93
Propene	10.70	9.57	89
Dichlorodifluoromethane	10.40	10.16	98
Dimethyl Ether	10.10	8.54	85
Chloromethane	10.50	8.91	85
Dichlorotetrafluoroethane	10.20	9.41	92
Vinyl Chloride	10.60	9.81	93
Acetaldehyde	20.90	22.23	106
Methanol	20.40	14.76	72
1,3-Butadiene	10.70	10.08	94
Bromomethane	10.40	9.70	93
Chloroethane	10.40	9.09	87
Dichlorofluoromethane	10.10	9.45	94
Ethanol	11.40	9.52	84
Vinyl Bromide	10.10	9.27	92
Acrolein	10.90	9.95	91
Acetone	10.60	9.14	86
Trichlorofluoromethane	10.50	9.60	91
2-Propanol (IPA)	11.00	9.65	88
Acrylonitrile	11.10	9.61	87
1,1-Dichloroethene	10.50	9.52	91
Methylene Chloride (DCM)	10.40	9.56	92
TertButanol (TBA)	11.20	9.90	88
Allyl Chloride	10.20	9.92	97
Carbon Disulfide	10.50	9.71	92
Trichlorotrifluoroethane	10.30	9.39	91
trans-1,2-Dichloroethene	10.80	9.81	91
1,1-Dichloroethane	10.70	9.71	91
Methyl Tert Butyl Ether (MTBE)	10.70	9.18	86
Vinyl Acetate	11.00	10.13	92
2-Butanone (MEK)	10.70	9.53	89
cis-1,2-Dichloroethene	10.70	10.03	94
Hexane	10.80	9.62	89
Chloroform	10.70	9.82	92
Ethyl Acetate	10.70	9.76	91
Tetrahydrofuran	10.40	9.22	89
1,2-Dichloroethane	10.60	9.79	92
1,1,1-Trichloroethane	10.50	9.71	92
Benzene	10.70	10.01	94
Carbon Tetrachloride	10.30	9.53	93
Cyclohexane	10.50	9.50	90

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.77	91
Bromodichloromethane	10.50	9.68	92
1,4-Dioxane	10.50	9.33	89
Trichloroethene (TCE)	10.50	9.52	91
2,2,4-Trimethylpentane	10.10	9.41	93
Methyl Methacrylate	11.00	10.17	92
Heptane	10.50	9.75	93
cis-1,3-Dichloropropene	10.50	9.65	92
4-Methyl-2-pentanone (MiBK)	10.50	9.46	90
trans-1,3-Dichloropropene	10.60	10.11	95
1,1,2-Trichloroethane	10.60	9.71	92
Toluene	10.80	9.98	92
2-Hexanone (MBK)	10.50	10.21	97
Dibromochloromethane	10.60	9.64	91
1,2-Dibromoethane	10.60	9.92	94
Tetrachloroethene (PCE)	10.50	9.52	91
Chlorobenzene	10.80	9.42	87
Ethylbenzene	10.60	9.91	93
m & p-Xylene	21.20	20.95	99
Bromoform	10.60	9.59	90
Styrene	10.60	9.80	92
1,1,2,2-Tetrachloroethane	10.60	9.52	90
o-Xylene	10.60	9.69	91
1,2,3-Trichloropropane	11.00	10.20	93
Isopropylbenzene (Cumene)	10.40	9.42	91
α-Pinene	10.80	8.75	81
2-Chlorotoluene	10.30	9.68	94
n-Propylbenzene	10.10	9.35	93
4-Ethyltoluene	10.40	9.56	92
1,3,5-Trimethylbenzene	10.30	9.36	91
β-Pinene	10.90	10.14	93
1,2,4-Trimethylbenzene	10.30	9.60	93
Benzyl Chloride (a-Chlorotoluene)	10.30	9.51	92
1,3-Dichlorobenzene	10.30	9.88	96
1,4-Dichlorobenzene	10.20	9.58	94
Sec-ButylBenzene	10.00	9.30	93
1,2-Dichlorobenzene	10.40	9.81	94
n-ButylBenzene	10.20	9.35	92
1,2-Dibromo-3-Chloropropane	10.10	9.02	89
1,2,4-Trichlorobenzene	10.50	10.25	98
Naphthalene	10.90	11.94	110
Hexachlorobutadiene	10.80	9.39	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 : 07/31/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.53	9.13	101	97	4.3
1,1-Dichloroethene	0.0	10.50	9.52	9.49	91	90	0.3
Methylene Chloride (DCM)	0.0	10.40	9.56	9.14	92	88	4.5
Benzene	0.0	10.70	10.01	10.15	94	95	1.4
Trichloroethene (TCE)	0.0	10.50	9.52	9.55	91	91	0.3
Toluene	0.0	10.80	9.98	10.26	92	95	2.8
Tetrachloroethene (PCE)	0.0	10.50	9.52	10.03	91	96	5.2
Chlorobenzene	0.0	10.80	9.42	9.45	87	88	0.3
Ethylbenzene	0.0	10.60	9.91	9.73	93	92	1.8
m & p-Xylene	0.0	21.20	20.95	20.71	99	98	1.2
o-Xylene	0.0	10.60	9.69	9.58	91	90	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 : 07/31/2024 | **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 073124*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	86%	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 073124*	*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	1.0
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 : 07/31/2024
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: 241775-61853

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.59	8.50	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	9.23	8.56	7.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4.30	4.27	0.6
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	7.89	7.40	6.4
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 J	1.04	0.87	18.4
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 241775

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	307-91 SULFUR	TO-15 FULL LIST	WIND PRESSURE	Remarks canister/controller
MS-07	7-29/30-24	0700 - 0700	61851	6L SUMMA CANISTER	X	X		-4HG 002090/17588
MS-12	7-29/30-24	0714 - 0714	61852	6L SUMMA CANISTER	X	X		-20HG 002050/19512
MS-08	7-29/30-24	0723 - 0723	61853	6L SUMMA CANISTER	X	X		0HG 002161/03792
MS-09	7-29/30-24	0734 - 0734	61854	6L SUMMA CANISTER	X	X		0HG 001925/03109
MS-10	7-29/30-24	0746 - 0746	61855	6L SUMMA CANISTER	X	X		-12HG 002114/19593
MS-06	7-29/30-24	0804 - 0804	61856	6L SUMMA CANISTER	X	X		-6HG 001862/000708
MS-11	7-29/30-24	0824 - 0824	61857	6L SUMMA CANISTER	X	X		0HG 002019/19507

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/30/24	0927			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				7/30/24	0924
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

Dlo- 2x can s + 2x coated Entech

CHAIN OF CUSTODY RECORD 24775

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	307-91 SULFUR	Remarks
MS-07	7-24/30-24	0700 - 0700	61858	10 LITER BAG	X	
MS-12	7-24/30-24	0714 - 0714	61859	10 LITER BAG	X	
MS-08	7-24/30-24	0723 - 0723	61860	10 LITER BAG	X	
MS-09	7-24/30-24	0734 - 0734	61861	10 LITER BAG	X	
MS-10	7-24/30-24	0746 - 0746	61862	10 LITER BAG	X	
MS-06	7-24/30-24	0804 - 0804	61863	10 LITER BAG	X	
MS-11	7-24/30-24	0824 - 0824	61864	10 LITER BAG	X	

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	7/30/24	0927	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/30/24	0928
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. : 241775
REPORT DATE : 08/01/2024

On July 30th 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	241775-61851	723.2	MS-07	241775-61858
MS-12	241775-61852	306.3	MS-12	241775-61859
MS-08	241775-61853	748.2	MS-08	241775-61860
MS-09	241775-61854	749.2	MS-09	241775-61861
MS-10	241775-61855	446.8	MS-10	241775-61862
MS-06	241775-61856	693.9	MS-06	241775-61863
MS-11	241775-61857	639.1	MS-11	241775-61864

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. : 241775
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29-30/2024
RECEIVING DATE : 07/30/2024
ANALYSIS DATE : 07/31/2024
REPORT DATE : 08/01/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241775-61851	241775-61852	241775-61853	241775-61854
Canister Dil. Fac.	1.42	3.53	1.36	1.36
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.018	< 0.007	< 0.007
COS / SO2	< 0.007	< 0.018	< 0.007	< 0.007
Methyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
Ethyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
Dimethyl Sulfide	< 0.007	< 0.018	< 0.007	< 0.007
Carbon Disulfide	< 0.007	< 0.018	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
Methylethylsulfide	< 0.007	< 0.018	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.018	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
Diethyl Sulfide	< 0.007	< 0.018	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.007	< 0.018	< 0.007	< 0.007
Dimethyl Disulfide	< 0.007	< 0.018	< 0.007	< 0.007
2-Methylthiophene	< 0.007	< 0.018	< 0.007	< 0.007
3-Methylthiophene	< 0.007	< 0.018	< 0.007	< 0.007
Tetrahydrothiophene	< 0.007	< 0.018	< 0.007	< 0.007
Bromothiophene	< 0.007	< 0.018	< 0.007	< 0.007
Thiophenol	< 0.007	< 0.018	< 0.007	< 0.007
Diethyl Disulfide	< 0.007	< 0.018	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.007	< 0.018	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.007	< 0.018	< 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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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241775
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29-30/2024
RECEIVING DATE : 07/30/2024
ANALYSIS DATE : 07/31/2024
REPORT DATE : 08/01/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241775-61855	241775-61856	241775-61857
Canister Dil. Fac.	2.29	1.46	1.61
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.011	< 0.007	< 0.008
COS / SO2	< 0.011	< 0.007	< 0.008
Methyl Mercaptan	< 0.011	< 0.007	< 0.008
Ethyl Mercaptan	< 0.011	< 0.007	< 0.008
Dimethyl Sulfide	< 0.011	< 0.007	< 0.008
Carbon Disulfide	< 0.011	< 0.007	< 0.008
Isopropyl Mercaptan	< 0.011	< 0.007	< 0.008
tert-Butyl Mercaptan	< 0.011	< 0.007	< 0.008
n-Propyl Mercaptan	< 0.011	< 0.007	< 0.008
Methylethylsulfide	< 0.011	< 0.007	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.011	< 0.007	< 0.008
iso-Butyl Mercaptan	< 0.011	< 0.007	< 0.008
Diethyl Sulfide	< 0.011	< 0.007	< 0.008
n-Butyl Mercaptan	< 0.011	< 0.007	< 0.008
Dimethyl Disulfide	< 0.011	< 0.007	< 0.008
2-Methylthiophene	< 0.011	< 0.007	< 0.008
3-Methylthiophene	< 0.011	< 0.007	< 0.008
Tetrahydrothiophene	< 0.011	< 0.007	< 0.008
Bromothiophene	< 0.011	< 0.007	< 0.008
Thiophenol	< 0.011	< 0.007	< 0.008
Diethyl Disulfide	< 0.011	< 0.007	< 0.008
Total Unidentified Sulfur	< 0.011	< 0.007	< 0.008
Total Reduced Sulfurs	< 0.011	< 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. : 241775
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29-30/2021
RECEIVING DATE : 07/30/2024
ANALYSIS DATE : 07/30/2024
REPORT DATE : 08/01/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241775-61858	241775-61859	241775-61860	241775-61861
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. : 241775
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/29-30/2021
RECEIVING DATE : 07/30/2024
ANALYSIS DATE : 07/30/2024
REPORT DATE : 08/01/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241775-61862	241775-61863	241775-61864
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: 7/31/2024
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	10478	0.486	95.1	2.2
Duplicate	10482	0.486	95.1	2.1
Triplicate	11165	0.518	101.3	4.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9061	0.489	97.4	0.7
Duplicate	9083	0.490	97.6	0.5
Triplicate	9230	0.498	99.2	1.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12172	0.505	101.6	1.3
Duplicate	12488	0.518	104.3	1.3
Triplicate	12322	0.511	102.9	0.0

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	0.259	0.245	101.4	95.9	5.6
MeSH	<PQL	0.251	0.271	0.261	108.0	104.0	3.8
DMS	<PQL	0.249	0.266	0.268	107.0	107.8	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.528	103.3
MeSH	0.502	0.530	105.6
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

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 7/30/2024
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	10871	0.504	98.6	1.9
Duplicate	10601	0.492	96.2	0.6
Triplicate	10525	0.488	95.5	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9277	0.500	99.7	2.5
Duplicate	8993	0.485	96.6	0.6
Triplicate	8878	0.479	95.4	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12309	0.511	102.8	0.0
Duplicate	12430	0.516	103.8	1.0
Triplicate	12175	0.505	101.7	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241772-61842**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	0.009	0.009	0.009	0.0

Matrix Spike & Duplicate **241772-61842 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	0.249	0.264	99.2	105.2	5.8
DMS	0.005	0.249	0.268	0.275	105.9	108.7	2.6

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	0.525	105.6

** 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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CHAIN OF CUSTODY RECORD 24171

Client/Project Name SCS Engineers/ CHIQUITA CANYON LANDFILL Air Order Sampling	**Project Location** VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GRUMA **(Signature)**	**No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	SUT-9 SUMMA	TO-15 FULL LIST	WD PRESSURE	Remarks canister/controller
MS-07	7-29/30-24	0700 - 0700	61851	6L Summa canister	X	X		-9HG-002090/17588
MS-12	7-29/30-24	0714 - 0714	61852	6L Summa canister	X	X		-20HG-002050/19512
MS-08	7-29/30-24	0723 - 0723	61853	6L Summa canister	X	X		OHG-002161/03792
MS-09	7-29/30-24	0734 - 0734	61854	6L Summa canister	X	X		-8HG-002125/03109
MS-10	7-29/30-24	0746 - 0746	61855	6L Summa canister	X	X		-12HG-002114/19593
MS-06	7-29/30-24	0804 - 0804	61856	6L Summa canister	X	X		-6HG-001862/000708
MS-11	7-29/30-24	0821 - 0821	61857	6L Summa canister	X	X		OHG-002019/19507

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	7/30/24	0927	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	7/30/24	0925
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 - 2x canister + 2x controller

CHAIN OF CUSTODY RECORD 24775

Client/Project Name SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	**Project Location** VALENCIA, CA
Project No.	**Field Logbook No.**
Sampler: (Print) ED GUERRA	**(Signature)** Ed
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307 91 SULFUR	Remarks
MS-07	7-29/30-21	0700 - 0700	61858	10 LITER BAG	X	
MS-12	7-29/30-21	0714 - 0714	61859	10 LITER BAG	X	
MS-08	7-29/30-21	0723 - 0723	61860	10 LITER BAG	X	
MS-09	7-29/30-21	0734 - 0734	61861	10 LITER BAG	X	
MS-10	7-29/30-21	0746 - 0746	61862	10 LITER BAG	X	
MS-06	7-29/30-21	0804 - 0804	61863	10 LITER BAG	X	
MS-11	7-29/30-21	0824 - 0824	61864	10 LITER BAG	X	

Relinquished by: (Signature) Ed	**Date** 7/30/21	**Time** 0927	**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** 7/30/21	**Time** 0928
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

September 20, 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, August 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 August 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 August 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

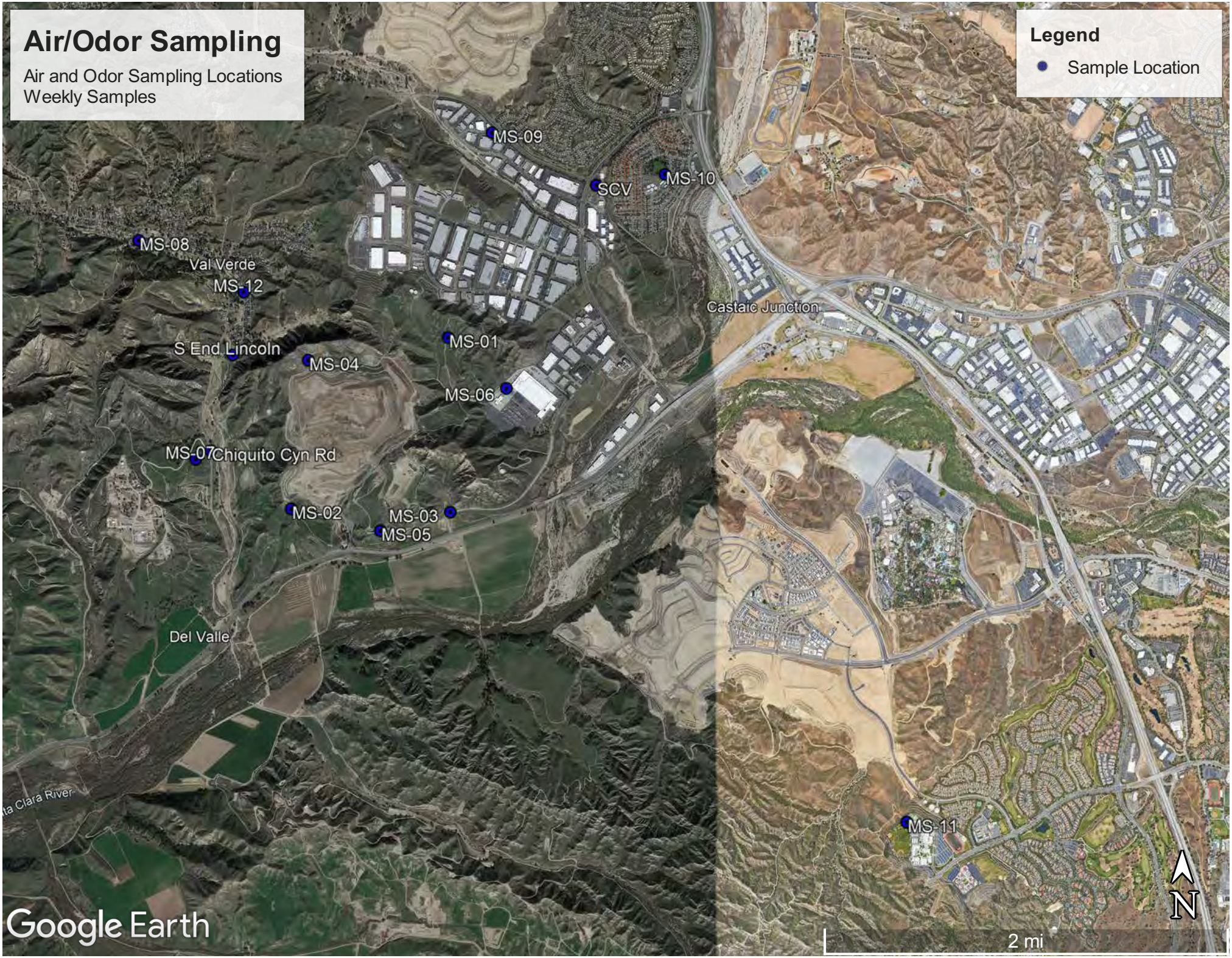
attachments

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.	: 241848
REPORT DATE	: 08/07/2024

On August 5, 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	241848-62291	681.5	S End Lincoln	241848-62300	693.0
MS-07	241848-62292	692.0	MS-01	241848-62301	701.5
MS-08	241848-62293	678.0	MS-02	241848-62302	691.0
MS-09	241848-62294	679.5	MS-03	241848-62303	679.5
MS-10	241848-62295	690.0	MS-04	241848-62304	696.0
MS-11	241848-62296	676.5	MS-05	241848-62305	721.0
MS-12	241848-62297	677.0	Working Face	241848-62306	698.5
SCV	241848-62298	685.0	Reaction	241848-62307	664.0
Chiquito Cyn Rd	241848-62299	694.5	--	--	--

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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62291				241848-62292				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	14.1		1	7.46	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	17.0		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	4.88		1	2.99	6.04		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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62291				241848-62292				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	0.91		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		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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62293				241848-62294				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.50				1.50				
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	1.50	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	18.3		1	7.48	8.46		1	7.49	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	4.32		1	2.99	<SRL	U	1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	5.55		1	2.99	5.33		1	3.00	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	3.00	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	1.50	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.00	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	1.50	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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62293				241848-62294				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.50				1.50				
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	1.50	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	1.50	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	1.50	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		91%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62295				241848-62296				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.51				1.50				
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	1.51	<SRL	U	1	1.50	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	10.0		1	7.57	9.88		1	7.51	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	<SRL	U	1	3.03	4.52		1	3.00	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Acetone	5.09		1	3.03	4.71		1	3.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.00	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	1.51	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.00	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	1.51	<SRL	U	1	1.50	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62295				241848-62296				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.51				1.50				
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	1.51	<SRL	U	1	1.50	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	1.51	<SRL	U	1	1.50	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	1.51	<SRL	U	1	1.50	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		90%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62297				241848-62298				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	8.35		1	7.52	13.8		1	7.41	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	3.05		1	3.01	19.4		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Acetone	5.85		1	3.01	6.36		1	2.96	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	2.96	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	2.96	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	3.08		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	0.83		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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62297				241848-62298				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	1.65		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	2.99		1	0.74	0.50
Heptane	<SRL	U	1	0.75	1.72		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	5.23		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	0.82		1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.50	3.45		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	1.29		1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.75	0.86		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	1.02		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		92%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62299				241848-62300				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	<SRL	U	1	7.35	14.6		1	7.40	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	5.85		1	2.94	17.2		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	4.69		1	2.94	6.83		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<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	2.94	<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	0.76		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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62299				241848-62300				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62301				241848-62302				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	13.8		1	7.32	16.9		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	4.77		1	2.93	5.00		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	9.19		1	2.93	4.50		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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62301				241848-62302				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	0.74	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	<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		90%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL)	MS-04			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	241848-62303				241848-62304				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.50				1.47				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Propene	6.19		1	1.50	<SRL	U	1	1.47	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	9.71		1	7.49	16.3		1	7.36	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	4.58		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
Acetone	5.38		1	3.00	8.34		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	<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	1.47	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	2.95	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	2.33		1	1.47	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	3.40		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	3.71		1	0.74	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62303				241848-62304				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
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	0.74	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	1.47	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	1.47	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	1.47	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		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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62305				241848-62306				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.40				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Methanol	15.3		1	7.02	12.2		1	7.37	5.00
1,3-Butadiene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Ethanol	5.66		1	2.81	<SRL	U	1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Acetone	6.07		1	2.81	4.27		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.81	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.81	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.70	<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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62305				241848-62306				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/06/2024				08/06/2024				
Can Dilution Factor	1.40				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.40	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.70	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		95%				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 : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62307				
Date Sampled	08/05/2024				
Date Analyzed	08/06/2024				
Can Dilution Factor	1.53				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	17.8		1	1.53	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	189		1	7.67	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	38.9		1	3.07	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acetone	34.8		1	3.07	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	11.3		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	1.53	1.00
Allyl Chloride	<SRL	U	1	1.53	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)	24.2		1	1.53	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	0.89		1	0.77	0.50
Tetrahydrofuran	38.9		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	28.5		1	0.77	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241848
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62307				
Date Sampled	08/05/2024				
Date Analyzed	08/06/2024				
Can Dilution Factor	1.53				
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	1.53	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)	1.55		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	3.76		1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	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	2.30		1	0.77	0.50
m & p-Xylene	2.47		1	1.53	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	0.98		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		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
Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 241848
MATRIX : AIR

DATE RECEIVED : 08/05/2024
DATE REPORTED : 08/07/2024
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	241848-62291	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	90%
MS-07	241848-62292	08/05/2024	08/06/2024	<SRL	U	1.49	1.0	90%
MS-08	241848-62293	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	91%
MS-09	241848-62294	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	86%
MS-10	241848-62295	08/05/2024	08/06/2024	<SRL	U	1.51	1.0	90%
MS-11	241848-62296	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	85%
MS-12	241848-62297	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	92%
SCV	241848-62298	08/05/2024	08/06/2024	<SRL	U	1.48	1.0	89%
Chiquito Cyn Rd	241848-62299	08/05/2024	08/06/2024	<SRL	U	1.47	1.0	90%
S End Lincoln	241848-62300	08/05/2024	08/06/2024	<SRL	U	1.48	1.0	88%
MS-01	241848-62301	08/05/2024	08/06/2024	<SRL	U	1.46	1.0	90%
MS-02	241848-62302	08/05/2024	08/06/2024	<SRL	U	1.47	1.0	85%
MS-03	241848-62303	08/05/2024	08/06/2024	<SRL	U	1.50	1.0	91%
MS-04	241848-62304	08/05/2024	08/06/2024	9.93		1.47	1.0	89%
MS-05	241848-62305	08/05/2024	08/06/2024	<SRL	U	1.40	1.0	95%
Working Face	241848-62306	08/05/2024	08/06/2024	<SRL	U	1.47	1.0	90%
Reaction	241848-62307	08/05/2024	08/06/2024	23.3		1.53	1.0	94%

* 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 : 08/06/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.39	100
Chlorodifluoromethane	10.20	9.71	95
Propene	10.70	9.75	91
Dichlorodifluoromethane	10.40	10.41	100
Dimethyl Ether	10.10	8.90	88
Chloromethane	10.50	9.18	87
Dichlorotetrafluoroethane	10.20	9.79	96
Vinyl Chloride	10.60	10.04	95
Acetaldehyde	20.90	22.78	109
Methanol	20.40	16.55	81
1,3-Butadiene	10.70	10.56	99
Bromomethane	10.40	9.74	94
Chloroethane	10.40	8.78	84
Dichlorofluoromethane	10.10	9.63	95
Ethanol	11.40	9.88	87
Vinyl Bromide	10.10	9.51	94
Acrolein	10.90	9.91	91
Acetone	10.60	9.69	91
Trichlorofluoromethane	10.50	9.90	94
2-Propanol (IPA)	11.00	9.83	89
Acrylonitrile	11.10	9.90	89
1,1-Dichloroethene	10.50	9.70	92
Methylene Chloride (DCM)	10.40	9.68	93
TertButanol (TBA)	11.20	9.78	87
Allyl Chloride	10.20	9.52	93
Carbon Disulfide	10.50	9.91	94
Trichlorotrifluoroethane	10.30	9.28	90
trans-1,2-Dichloroethene	10.80	10.00	93
1,1-Dichloroethane	10.70	10.05	94
Methyl Tert Butyl Ether (MTBE)	10.70	9.75	91
Vinyl Acetate	11.00	10.39	94
2-Butanone (MEK)	10.70	10.11	94
cis-1,2-Dichloroethene	10.70	10.09	94
Hexane	10.80	10.64	99
Chloroform	10.70	10.31	96
Ethyl Acetate	10.70	10.16	95
Tetrahydrofuran	10.40	9.48	91
1,2-Dichloroethane	10.60	10.15	96
1,1,1-Trichloroethane	10.50	9.81	93
Benzene	10.70	10.17	95
Carbon Tetrachloride	10.30	9.37	91
Cyclohexane	10.50	9.97	95

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.94	93
Bromodichloromethane	10.50	9.74	93
1,4-Dioxane	10.50	9.12	87
Trichloroethene (TCE)	10.50	9.50	90
2,2,4-Trimethylpentane	10.10	9.51	94
Methyl Methacrylate	11.00	10.26	93
Heptane	10.50	10.06	96
cis-1,3-Dichloropropene	10.50	9.75	93
4-Methyl-2-pentanone (MiBK)	10.50	9.24	88
trans-1,3-Dichloropropene	10.60	10.07	95
1,1,2-Trichloroethane	10.60	9.75	92
Toluene	10.80	10.05	93
2-Hexanone (MBK)	10.50	9.56	91
Dibromochloromethane	10.60	9.32	88
1,2-Dibromoethane	10.60	9.93	94
Tetrachloroethene (PCE)	10.50	9.47	90
Chlorobenzene	10.80	9.49	88
Ethylbenzene	10.60	9.82	93
m & p-Xylene	21.20	20.62	97
Bromoform	10.60	9.34	88
Styrene	10.60	9.60	91
1,1,2,2-Tetrachloroethane	10.60	9.36	88
o-Xylene	10.60	9.66	91
1,2,3-Trichloropropane	11.00	9.88	90
Isopropylbenzene (Cumene)	10.40	9.33	90
α-Pinene	10.80	9.06	84
2-Chlorotoluene	10.30	9.37	91
n-Propylbenzene	10.10	9.15	91
4-Ethyltoluene	10.40	9.28	89
1,3,5-Trimethylbenzene	10.30	9.13	89
β-Pinene	10.90	10.29	94
1,2,4-Trimethylbenzene	10.30	9.19	89
Benzyl Chloride (a-Chlorotoluene)	10.30	8.78	85
1,3-Dichlorobenzene	10.30	9.64	94
1,4-Dichlorobenzene	10.20	9.59	94
Sec-ButylBenzene	10.00	8.98	90
1,2-Dichlorobenzene	10.40	9.38	90
n-ButylBenzene	10.20	8.93	88
1,2-Dibromo-3-Chloropropane	10.10	8.55	85
1,2,4-Trichlorobenzene	10.50	9.98	95
Naphthalene	10.90	10.40	95
Hexachlorobutadiene	10.80	9.16	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.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/06/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.39	8.47	100	90	10.3
1,1-Dichloroethene	0.0	10.50	9.70	8.94	92	85	8.2
Methylene Chloride (DCM)	0.0	10.40	9.68	9.02	93	87	7.1
Benzene	0.0	10.70	10.17	9.52	95	89	6.6
Trichloroethene (TCE)	0.0	10.50	9.50	9.01	90	86	5.3
Toluene	0.0	10.80	10.05	9.53	93	88	5.3
Tetrachloroethene (PCE)	0.0	10.50	9.47	8.96	90	85	5.5
Chlorobenzene	0.0	10.80	9.49	8.84	88	82	7.1
Ethylbenzene	0.0	10.60	9.82	9.20	93	87	6.5
m & p-Xylene	0.0	21.20	20.62	18.46	97	87	11.1
o-Xylene	0.0	10.60	9.66	8.63	91	81	11.3

[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 : 08/06/2024 | **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 080624*	*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 080624*	*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	1.0
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 : 08/06/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.53

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241848-62307

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.84	9.24	4.4
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	17.8	17.2	3.1
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	22.4	22.0	1.8
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	8.19	8.08	1.3
Methanol	189	182	3.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	38.9	38.0	2.4
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	34.8	34.2	1.6
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	11.3	11.2	1.0
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)	24.2	23.5	2.7
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	0.89	0.92	3.4
Tetrahydrofuran	38.9	38.1	2.3
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	28.5	29.3	2.6
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)	1.55	1.53	1.0
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	3.76	3.80	1.2
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	2.30	2.28	0.7
m & p-Xylene	2.47	2.58	4.3
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1;1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	0.98	1.04	6.1
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	0.80	0.86	7.4
α-Pinene	1.50	1.59	5.9
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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241848

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 [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	62291	8/5	1159	summa 1	X				
MS-07	62292		1013		X				
MS-08	62293		1046		X				
MS-09	62294		1057		X				
MS-10	62295		1115		X				
MS-11	62296		1139		X				
MS-12	62297		1040		X				
SCV	62298		1106		X				
Chiquito Cyn Rd	62299		1022		X				
S. End Lincoln	62300		1031		X				

LAB USE ONLY
Lab ID
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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1513
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]

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	62301	8/5	0857	summa 1	X					
MS-02	62302		0956		X					
MS-03	62303		1208		X					
MS-04	62304		0929		X					
MS-05	62305		0844		X					
Working Face	62306		0917		X					
Reaction	62307		0938		X					

LAB USE ONLY
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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1313	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241848

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 [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	62308	8/5	1159	tedlar 1	X				
MS-07	62309		1013		X				
MS-08	62310		1046		X				
MS-09	62311		1057		X				
MS-10	62312		1115		X				
MS-11	62313		1139		X				
MS-12	62314		1040		X				
SCV	62315		1106		X				
Chiquito Cyn Rd	62316		1022		X				
S. End Lincoln	62317		1031		X				

LAB USE ONLY

Lab ID	Sample Received via: ☐ Fedex ☐ UPS ☐ Courier ☐ Other
	Temperature: °C
	Thermometer ID:
	Initials:
	Ambient Chest:
	Total Containers:
	Unused Cells:
	Flow Controller:

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/21 Time 1313
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

24, 848

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]

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	62318	8/5	0857	tedlar 1	X				
MS-02	62319		0956		X				
MS-03	62320		1208		X				
MS-04	62321		0929		X				
MS-05	62322		0844		X				
Working Face	62323		0917		X				
Reaction	62324		0938		X				

LAB USE ONLY
Lab ID
Sample Received via: ☐ FedEx ☐ UPS ☐ Courier ☐ Other
Temperature °C
Thermometer ID
Initials
Ambient/Chilled
Total Containers
Unused Gels
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1313
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
AAC PROJECT NO.	:	241848
REPORT DATE	:	08/08/2024

On August 5th 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	241848-62308	S. End Lincoln	241848-62317
MS-07	241848-62309	MS-01	241848-62318
MS-08	241848-62310	MS-02	241848-62319
MS-09	241848-62311	MS-03	241848-62320
MS-10	241848-62312	MS-04	241848-62321
MS-11	241848-62313	MS-05	241848-62322
MS-12	241848-62314	Working Face	241848-62323
SCV	241848-62315	Reaction	241848-62324
Chquita Cyn Rd	241848-62316	-	-

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 11 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241848
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05/2024
RECEIVING DATE : 08/05/2024
ANALYSIS DATE : 08/06/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241848-62308	241848-62309	241848-62310	241848-62311	241848-62312	241848-62313
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. : 241848
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05/2024
RECEIVING DATE : 08/05/2024
ANALYSIS DATE : 08/05-06/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chquita Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	241848-62314	241848-62315	241848-62316	241848-62317	241848-62318	241848-62319
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.012**	< 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	**0.012**	< 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. : 241848
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05/2024
RECEIVING DATE : 08/05/2024
ANALYSIS DATE : 08/05-06/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241848-62320	241848-62321	241848-62322	241848-62323	241848-62324
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	**0.009**	**0.029**	**0.011**	**0.011**
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	**0.027**
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	**0.009**	**0.029**	**0.011**	**0.038**

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
ASTM D-5504

Date Analyzed: 8/5/2024
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	11458	0.531	104.0	1.3
Duplicate	11469	0.532	104.1	1.4
Triplicate	11010	0.510	99.9	2.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9485	0.512	101.9	0.7
Duplicate	9466	0.511	101.7	0.5
Triplicate	9293	0.501	99.9	1.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12467	0.517	104.1	0.7
Duplicate	12265	0.509	102.4	0.9
Triplicate	12410	0.515	103.6	0.2

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 **Sample ID x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.274	0.269	107.2	105.3	1.8
MeSH	<PQL	0.251	0.264	0.260	105.2	103.6	1.5
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	0.548	107.2
MeSH	0.502	0.552	110.0
DMS	0.497	0.546	109.9

** 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: 8/6/2024
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	10629	0.493	96.4	3.7
Duplicate	11398	0.528	103.4	3.3
Triplicate	11078	0.514	100.5	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8935	0.482	96.0	3.9
Duplicate	9523	0.514	102.3	2.4
Triplicate	9449	0.510	101.5	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12506	0.519	104.4	0.0
Duplicate	12523	0.520	104.6	0.1
Triplicate	12493	0.518	104.3	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241848-62320**

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 **241848-62320 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.231	97.1	90.4	7.1
MeSH	<PQL	0.251	0.252	0.254	100.4	101.2	0.8
DMS	<PQL	0.249	0.273	0.256	109.9	103.0	6.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.501	98.0
MeSH	0.502	0.496	98.8
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: 8/6/2024
Analyst: KM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11407	500	98.0	1.6
Duplicate	11760	516	101.0	1.4
Triplicate	11624	510	99.8	0.2

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	9968	492	98.0	1.1
Duplicate	10225	504	100.5	1.5
Triplicate	10034	495	98.6	0.4

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	14917	507	102.1	0.7
Duplicate	14778	503	101.1	0.2
Triplicate	14723	501	100.8	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241848-62308**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 241848-62308 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	239.6	244.2	93.9	95.7	1.9
MeSH	<PQL	250.9	230.2	228.3	91.8	91.0	0.8
DMS	<PQL	248.5	260.7	246.0	104.9	99.0	5.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	501.0	98.1
MeSH	501.8	502.9	100.2
DMS	497.0	506.9	102.0

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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241848

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 [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	62308	8/5	1159	tedlar 1	X					
MS-07	62309		1013		X					
MS-08	62310		1046		X					
MS-09	62311		1057		X					
MS-10	62312		1115		X					
MS-11	62313		1139		X					
MS-12	62314		1040		X					
SCV	62315		1106		X					
Chiquito Cyn Rd	62316		1022		X					
S. End Lincoln	62317		1031		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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/21 Time 1313
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

24, 848

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]

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	62318	8/5	0857	tedlar 1	X				
MS-02	62319		0956		X				
MS-03	62320		1208		X				
MS-04	62321		0929		X				
MS-05	62322		0844		X				
Working Face	62323		0917		X				
Reaction	62324		0938		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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1313
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

241848

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 [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	62291	8/5	1159	summa 1	X	
MS-07	62292		1013		X	
MS-08	62293		1046		X	
MS-09	62294		1057		X	
MS-10	62295		1115		X	
MS-11	62296		1139		X	
MS-12	62297		1040		X	
SCV	62298		1106		X	
Chiquito Cyn Rd	62299		1022		X	
S. End Lincoln	62300		1031		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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1313	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

241848

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]

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	TO-15 FULL LIST + DMS				
MS-01	62301	8/5	0857	summa 1	X				
MS-02	62302		0956		X				
MS-03	62303		1208		X				
MS-04	62304		0929		X				
MS-05	62305		0844		X				
Working Face	62306		0917		X				
Reaction	62307		0938		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 8/5 Time 1315	**Received By** Print: Signature:	Date 8/5/24 Time 1313
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.	: 241892
REPORT DATE	: 08/14/2024

On August 12, 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	241892-62514	680.5	S End Lincoln	241892-62523	701.5
MS-07	241892-62515	713.0	MS-01	241892-62524	695.0
MS-08	241892-62516	704.5	MS-02	241892-62525	692.0
MS-09	241892-62517	695.0	MS-03	241892-62526	698.5
MS-10	241892-62518	694.0	MS-04	241892-62527	682.0
MS-11	241892-62519	699.0	MS-05	241892-62528	691.5
MS-12	241892-62520	702.5	Working Face	241892-62529	690.5
SCV	241892-62521	701.5	Reaction	241892-62530	698.0
Chiquito Cyn Rd	241892-62522	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.

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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62514				241892-62515				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.54				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Methanol	<SRL	U	1	7.70	16.0		1	7.24	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Ethanol	<SRL	U	1	3.08	11.7		1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Acetone	3.40		1	3.08	11.7		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	3.08	<SRL	U	1	2.90	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	3.08	<SRL	U	1	2.90	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62514				241892-62515				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.54				1.45				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.45	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.72	0.50
BFB-Surrogate Std. % Recovery		90%				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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62516				241892-62517				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				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	1.47	<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	10.6		1	7.33	<SRL	U	1	7.41	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	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acetone	5.98		1	2.93	19.7		1	2.97	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	2.97	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	1.47	<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	2.93	<SRL	U	1	2.97	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	1.47	<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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62516				241892-62517				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				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	1.47	<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	1.47	<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	1.47	<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		87%				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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62518				241892-62519				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.49				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	1.49	<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	<SRL	U	1	7.44	9.87		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	<SRL	U	1	2.98	6.54		1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	7.05		1	2.98	7.52		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	2.95	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	1.48	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	2.95	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	1.48	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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62518				241892-62519				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.49				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	1.49	<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	1.49	<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	1.49	<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		94%				95%			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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62520				241892-62521				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
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	0.73	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	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	7.95		1	7.22	<SRL	U	1	7.25	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	<SRL	U	1	2.89	<SRL	U	1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	7.75		1	2.89	10.7		1	2.90	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	2.90	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	1.45	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	0.73	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	<SRL	U	1	1.45	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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62520				241892-62521				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
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	0.73	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	1.45	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	1.45	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	1.45	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		96%				96%			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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62522				241892-62523				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.45				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	1.45	<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	17.2		1	7.24	17.3		1	7.31	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	16.8		1	2.89	15.7		1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	11.0		1	2.89	11.9		1	2.92	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	2.92	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	1.45	<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	2.89	<SRL	U	1	2.92	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	1.45	<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	1.10		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	1.14		1	0.73	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62522				241892-62523				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.45				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	1.45	<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	1.45	<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	1.45	<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		94%				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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62524				241892-62525				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				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	1.47	<SRL	U	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	<SRL	U	1	7.34	<SRL	U	1	7.51	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	2.94	<SRL	U	1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Acetone	3.20		1	2.94	3.50		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	3.01	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	1.47	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	3.01	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	1.47	<SRL	U	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	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	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	<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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62524				241892-62525				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				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	1.47	<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	<SRL	U	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	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.47	<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	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	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	<SRL	U	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	<SRL	U	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		92%				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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62526				241892-62527				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				1.49				
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	1.49	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	<SRL	U	1	7.36	8.66		1	7.46	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	<SRL	U	1	2.94	<SRL	U	1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	3.03		1	2.94	3.93		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.99	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	1.49	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.99	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	1.49	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62526				241892-62527				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.47				1.49				
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	1.49	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	1.49	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	1.49	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		94%				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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62528				241892-62529				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.50				1.51				
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	1.51	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	7.53	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	4.66		1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	4.32		1	2.99	3.60		1	3.01	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	3.01	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	1.51	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.01	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	1.51	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62528				241892-62529				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/13/2024				08/13/2024				
Can Dilution Factor	1.50				1.51				
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	1.51	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	1.51	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	1.51	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		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 : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62530				
Date Sampled	08/12/2024				
Date Analyzed	08/13/2024				
Can Dilution Factor	1.54				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	13.2		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	981		10	77.2	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	159		1	3.09	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acetone	64.3		1	3.09	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	32.1		1	3.09	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	3.09	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)	42.6		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	2.50		1	0.77	0.50
Tetrahydrofuran	49.5		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	28.4		1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241892
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62530				
Date Sampled	08/12/2024				
Date Analyzed	08/13/2024				
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	1.81		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)	1.95		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	3.74		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	2.90		1	0.77	0.50
m & p-Xylene	2.69		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	1.05		1	0.77	0.50
4-Ethyltoluene	0.93		1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	1.25		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		97%			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 : 241892
MATRIX : AIR

DATE RECEIVED : 08/12/2024
DATE REPORTED : 08/14/2024
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	241892-62514	08/12/2024	08/13/2024	<SRL	U	1.54	1.0	90%
MS-07	241892-62515	08/12/2024	08/13/2024	<SRL	U	1.45	1.0	89%
MS-08	241892-62516	08/12/2024	08/13/2024	<SRL	U	1.47	1.0	87%
MS-09	241892-62517	08/12/2024	08/13/2024	<SRL	U	1.48	1.0	89%
MS-10	241892-62518	08/12/2024	08/13/2024	<SRL	U	1.49	1.0	94%
MS-11	241892-62519	08/12/2024	08/13/2024	<SRL	U	1.48	1.0	95%
MS-12	241892-62520	08/12/2024	08/13/2024	<SRL	U	1.44	1.0	96%
SCV	241892-62521	08/12/2024	08/13/2024	<SRL	U	1.45	1.0	96%
Chiquito Cyn Rd	241892-62522	08/12/2024	08/13/2024	<SRL	U	1.45	1.0	94%
S End Lincoln	241892-62523	08/12/2024	08/13/2024	<SRL	U	1.46	1.0	94%
MS-01	241892-62524	08/12/2024	08/13/2024	<SRL	U	1.47	1.0	92%
MS-02	241892-62525	08/12/2024	08/13/2024	<SRL	U	1.50	1.0	93%
MS-03	241892-62526	08/12/2024	08/13/2024	<SRL	U	1.47	1.0	94%
MS-04	241892-62527	08/12/2024	08/13/2024	<SRL	U	1.49	1.0	93%
MS-05	241892-62528	08/12/2024	08/13/2024	<SRL	U	1.50	1.0	93%
Working Face	241892-62529	08/12/2024	08/13/2024	<SRL	U	1.51	1.0	92%
Reaction	241892-62530	08/12/2024	08/13/2024	41.3		1.54	1.0	97%

* 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 : 08/13/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.66	103
Chlorodifluoromethane	10.20	8.51	83
Propene	10.70	8.87	83
Dichlorodifluoromethane	10.40	9.60	92
Dimethyl Ether	10.10	7.75	77
Chloromethane	10.50	8.51	81
Dichlorotetrafluoroethane	10.20	8.72	85
Vinyl Chloride	10.60	8.84	83
Acetaldehyde	20.90	19.99	96
Methanol	20.40	14.97	73
1,3-Butadiene	10.70	8.88	83
Bromomethane	10.40	8.81	85
Chloroethane	10.40	8.27	80
Dichlorofluoromethane	10.10	8.73	86
Ethanol	11.40	8.22	72
Vinyl Bromide	10.10	8.69	86
Acrolein	10.90	8.56	79
Acetone	10.60	8.10	76
Trichlorofluoromethane	10.50	9.28	88
2-Propanol (IPA)	11.00	8.33	76
Acrylonitrile LR	11.10	7.68	69
1,1-Dichloroethene	10.50	9.76	93
Methylene Chloride (DCM)	10.40	8.95	86
TertButanol (TBA)	11.20	9.14	82
Allyl Chloride	10.20	7.96	78
Carbon Disulfide	10.50	9.59	91
Trichlorotrifluoroethane	10.30	9.33	91
trans-1,2-Dichloroethene	10.80	9.70	90
1,1-Dichloroethane	10.70	9.20	86
Methyl Tert Butyl Ether (MTBE)	10.70	8.96	84
Vinyl Acetate	11.00	8.51	77
2-Butanone (MEK)	10.70	8.69	81
cis-1,2-Dichloroethene	10.70	9.59	90
Hexane	10.80	9.39	87
Chloroform	10.70	9.80	92
Ethyl Acetate	10.70	8.41	79
Tetrahydrofuran	10.40	8.88	85
1,2-Dichloroethane	10.60	9.36	88
1,1,1-Trichloroethane	10.50	9.78	93
Benzene	10.70	9.86	92
Carbon Tetrachloride	10.30	9.65	94
Cyclohexane	10.50	9.53	91

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.11	85
Bromodichloromethane	10.50	9.51	91
1,4-Dioxane	10.50	8.92	85
Trichloroethene (TCE)	10.50	9.51	91
2,2,4-Trimethylpentane	10.10	8.80	87
Methyl Methacrylate	11.00	9.68	88
Heptane	10.50	9.61	92
cis-1,3-Dichloropropene	10.50	9.26	88
4-Methyl-2-pentanone (MiBK)	10.50	8.48	81
trans-1,3-Dichloropropene	10.60	9.61	91
1,1,2-Trichloroethane	10.60	9.49	90
Toluene	10.80	9.76	90
2-Hexanone (MBK)	10.50	8.63	82
Dibromochloromethane	10.60	9.41	89
1,2-Dibromoethane	10.60	9.73	92
Tetrachloroethene (PCE)	10.50	9.87	94
Chlorobenzene	10.80	9.45	88
Ethylbenzene	10.60	9.63	91
m & p-Xylene	21.20	20.39	96
Bromoform	10.60	9.78	92
Styrene	10.60	9.48	89
1,1,2,2-Tetrachloroethane	10.60	9.01	85
o-Xylene	10.60	9.57	90
1,2,3-Trichloropropane	11.00	9.89	90
Isopropylbenzene (Cumene)	10.40	9.19	88
α-Pinene	10.80	7.69	71
2-Chlorotoluene	10.30	9.34	91
n-Propylbenzene	10.10	9.09	90
4-Ethyltoluene	10.40	9.19	88
1,3,5-Trimethylbenzene	10.30	9.09	88
β-Pinene	10.90	10.21	94
1,2,4-Trimethylbenzene	10.30	9.28	90
Benzyl Chloride (a-Chlorotoluene)	10.30	8.81	86
1,3-Dichlorobenzene	10.30	9.39	91
1,4-Dichlorobenzene	10.20	9.40	92
Sec-ButylBenzene	10.00	8.81	88
1,2-Dichlorobenzene	10.40	9.74	94
n-ButylBenzene	10.20	8.97	88
1,2-Dibromo-3-Chloropropane	10.10	8.59	85
1,2,4-Trichlorobenzene	10.50	9.84	94
Naphthalene	10.90	9.27	85
Hexachlorobutadiene	10.80	9.05	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%.

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 : 08/13/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.66	9.47	103	101	2.0
1,1-Dichloroethene	0.0	10.50	9.76	9.61	93	92	1.5
Methylene Chloride (DCM)	0.0	10.40	8.95	9.10	86	88	1.7
Benzene	0.0	10.70	9.86	9.66	92	90	2.0
Trichloroethene (TCE)	0.0	10.50	9.51	9.54	91	91	0.3
Toluene	0.0	10.80	9.76	9.78	90	91	0.2
Tetrachloroethene (PCE)	0.0	10.50	9.87	9.85	94	94	0.2
Chlorobenzene	0.0	10.80	9.45	9.35	88	87	1.1
Ethylbenzene	0.0	10.60	9.63	9.53	91	90	1.0
m & p-Xylene	0.0	21.20	20.39	20.59	96	97	1.0
o-Xylene	0.0	10.60	9.57	9.43	90	89	1.5

[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 : 08/13/2024 | **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 081324*	*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 081324*	*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	1.0
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 : 08/13/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.54

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241892-62530

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	9.11	9.31	2.2
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	13.2	13.5	2.1
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	25.5	26.3	2.9
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	11.6	12.1	4.6
Methanol E	973	980	0.7
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	159	157	1.0
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	64.3	62.1	3.5
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	32.1	32.1	0.0
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	1.33	1.25	6.0
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)	42.6	42.0	1.4
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	2.50	2.64	5.4
Tetrahydrofuran	49.5	48.5	2.0
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	28.4	28.7	1.0
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	1.81	1.93	6.6
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)	1.95	1.73	11.8
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	3.74	3.69	1.2
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	2.90	2.87	1.1
m & p-Xylene	2.69	2.75	2.3
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	1.05	1.08	2.9
1,2,3-Trichloropropane	<SRL	<SRL	*NA*
Isopropylbenzene (Cumene)	1.20	1.27	5.0
α-Pinene	0.79	0.79	0.0
2-Chlorotoluene	<SRL	<SRL	*NA*
n-Propylbenzene	<SRL	<SRL	*NA*
4-Ethyltoluene	0.93	0.97	4.9
1,3,5-Trimethylbenzene	<SRL	<SRL	*NA*
β-Pinene	<SRL	<SRL	*NA*
1,2,4-Trimethylbenzene	1.25	1.28	2.4
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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241892

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	62514	8/12	1244	summa 1	X					
MS-07	62515		0913		X					
MS-08	62516		0945		X					
MS-09	62517		1001		X					
MS-10	62518		1029		X					
MS-11	62519		0849		X					
MS-12	62520		0938		X					
SCV	62521		1013		X					
Chiquito Cyn Rd	62522		0923		X					
S. End Lincoln	62523		0931		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature
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 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1405

24189z

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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	62524	8/12	1117	summa 1	X					
MS-02	62525		1215		X					
MS-03	62526		1302		X					
MS-04	62527		1135		X					
MS-05	62528		1102		X					
Working Face	62529		1205		X					
Reaction	62530		1146		X					

LAB USE ONLY:
Sample Received via:
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature
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 8/12 Time 1405	Received By Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	Received By Print: Signature:	Date 8/12/24 Time 1405

241892

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	62531	8/12	1244	tedlar 1	X				
MS-07	62532		0913		X				
MS-08	62533		0945		X				
MS-09	62534		1001		X				
MS-10	62535		1029		X				
MS-11	62536		0849		X				
MS-12	62537		0938		X				
SCV	62538		1013		X				
Chiquito Cyn Rd	62539		0923		X				
S. End Lincoln	62540	↓	0931		X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes

Relinquished By Print: Armando Hurtado Signature:	Date 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1705

241892

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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	62541	8/12	1117	tedlar 1	X				
MS-02	62542		1215		X				
MS-03	62543		1302		X				
MS-04	62544		1135		X				
MS-05	62545		1102		X				
Working Face	62546		1203		X				
Reaction	62547		1146		X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1405

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21
AAC PROJECT NO.	: 241892
REPORT DATE	: 08/14/2024

On August 12th 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	241892-62531	S. End Lincoln	241892-62540
MS-07	241892-62532	MS-01	241892-62541
MS-08	241892-62533	MS-02	241892-62542
MS-09	241892-62534	MS-03	241892-62543
MS-10	241892-62535	MS-04	241892-62544
MS-11	241892-62536	MS-05	241892-62545
MS-12	241892-62537	Working Face	241892-62546
SCV	241892-62538	Reaction	241892-62547
Chquita Cyn Rd	241892-62539	-	-

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 11 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241892
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12/2024
RECEIVING DATE : 08/12/2024
ANALYSIS DATE : 08/12-13/2024
REPORT DATE : 08/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241892-62531	241892-62532	241892-62533	241892-62534	241892-62535	241892-62536
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.009**	**0.012**	**0.005**	**0.012**	**0.014**	**0.010**
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	**0.006**	< 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	**0.009**	**0.018**	**0.005**	**0.012**	**0.014**	**0.018**

All unidentified compound's concentrations expressed in terms of H_2S

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241892
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12/2024
RECEIVING DATE : 08/12/2024
ANALYSIS DATE : 08/12-13/2024
REPORT DATE : 08/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chquita Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	241892-62537	241892-62538	241892-62539	241892-62540	241892-62541	241892-62542
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.008**	**0.009**	**0.012**	**0.024**	**0.060**	**0.030**
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	**0.008**	**0.009**	**0.012**	**0.024**	**0.060**	**0.030**

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. : 241892
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12/2024
RECEIVING DATE : 08/12/2024
ANALYSIS DATE : 08/13/2024
REPORT DATE : 08/14/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241892-62543	241892-62544	241892-62545	241892-62546	241892-62547
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.009**	**0.007**	**0.008**	**0.009**	**0.012**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	**0.007**
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.036**
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	**0.009**	**0.007**	**0.008**	**0.009**	**0.055**

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: 8/12/2024
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	11494	0.533	104.3	1.0
Duplicate	11338	0.526	102.9	0.4
Triplicate	11307	0.524	102.6	0.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9111	0.491	97.9	0.8
Duplicate	9238	0.498	99.3	0.5
Triplicate	9217	0.497	99.0	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12057	0.500	100.7	2.7
Duplicate	12555	0.521	104.8	1.3
Triplicate	12565	0.521	104.9	1.4

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	0.278	0.268	108.8	104.9	3.7
MeSH	<PQL	0.251	0.261	0.266	104.0	106.0	1.9
DMS	<PQL	0.249	0.272	0.273	109.5	109.9	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.499	97.7
MeSH	0.502	0.488	97.2
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: 8/13/2024
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	11186	0.519	101.5	2.5
Duplicate	10573	0.490	95.9	3.2
Triplicate	10995	0.510	99.8	0.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8881	0.479	95.4	0.8
Duplicate	8996	0.485	96.7	0.5
Triplicate	8973	0.484	96.4	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12344	0.512	103.1	1.9
Duplicate	11764	0.488	98.2	2.9
Triplicate	12221	0.507	102.0	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241892-62547**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	0.012	0.012	0.012	0.0
MeSH	0.007	0.007	0.007	0.0
DMS	0.036	0.036	0.036	0.0

Matrix Spike & Duplicate **241892-62547 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	0.006	0.256	0.236	0.238	90.2	91.0	0.8
MeSH	0.004	0.251	0.230	0.231	90.4	90.8	0.4
DMS	0.018	0.249	0.257	0.261	96.4	97.9	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.495	96.9
MeSH	0.502	0.506	100.8
DMS	0.497	0.535	107.6

** 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: 8/13/2024
Analyst: NR
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11243	493	96.6	1.1
Duplicate	11563	507	99.3	1.8
Triplicate	11282	495	96.9	0.7

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	9821	484	96.5	2.1
Duplicate	10062	496	98.9	0.3
Triplicate	10218	504	100.5	1.8

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	14663	499	100.4	1.6
Duplicate	14504	493	99.3	0.5
Triplicate	14118	480	96.6	2.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241892-62538**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	8.8	8.0	8.4	9.1
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 241892-62538 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	0.8	255.3	260.3	248.5	101.6	97.0	4.6
MeSH	<PQL	250.9	257.3	251.5	102.6	100.2	2.3
DMS	<PQL	248.5	256.9	262.1	103.4	105.5	2.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	500.3	98.0
MeSH	501.8	492.6	98.2
DMS	497.0	537.0	108.0

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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241892

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 [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-06	62531	8/12	1244	tedlar 1	X	
MS-07	62532		0913		X	
MS-08	62533		0945		X	
MS-09	62534		1001		X	
MS-10	62535		1029		X	
MS-11	62536		0849		X	
MS-12	62537		0938		X	
SCV	62538		1013		X	
Chiquito Cyn Rd	62539		0923		X	
S. End Lincoln	62540		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 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1705

241892

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]

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	62541	8/12	1117	tedlar 1	X				
MS-02	62542		1215		X				
MS-03	62543		1302		X				
MS-04	62544		1135		X				
MS-05	62545		1102		X				
Working Face	62546		1203		X				
Reaction	62547		1146		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 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1405

241892

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 [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	62514	8/12	1244	summa 1	X					
MS-07	62515		0913		X					
MS-08	62516		0943		X					
MS-09	62517		1001		X					
MS-10	62518		1029		X					
MS-11	62519		0849		X					
MS-12	62520		0938		X					
SCV	62521		1013		X					
Chiquito Cyn Rd	62522		0923		X					
S. End Lincoln	62523		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 8/12 Time 1405	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1405	

24189Z

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]

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	TO-15 FULL LIST + DMS				
MS-01	62524	8/12	1117	summa 1	X				
MS-02	62525		1215		X				
MS-03	62526		1302		X				
MS-04	62527		1135		X				
MS-05	62528		1102		X				
Working Face	62529		1205		X				
Reaction	62530		1146		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 8/12 Time 1405	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/12/24 Time 1405

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 241964
REPORT DATE : 08/21/2024

On August 19, 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	241964-62887	718.0	S End Lincoln	241964-62896	677.8
MS-07	241964-62888	699.5	MS-01	241964-62897	707.8
MS-08	241964-62889	672.0	MS-02	241964-62898	719.1
MS-09	241964-62890	698.0	MS-03	241964-62899	721.7
MS-10	241964-62891	730.5	MS-04	241964-62900	693.0
MS-11	241964-62892	715.5	MS-05	241964-62901	706.0
MS-12	241964-62893	677.0	Working Face	241964-62902	706.0
SCV	241964-62894	735.3	Reaction	241964-62903	547.5
Chiquito Cyn Rd	241964-62895	696.1	--	--	--

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 29 pages.

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62887				241964-62888				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.41				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	1.41	<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	8.49		1	7.06	9.53		1	7.27	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	2.82	3.69		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Acetone	5.78		1	2.82	3.61		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	3.35		1	2.82	<SRL	U	1	2.91	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	1.41	<SRL	U	1	1.45	1.00
Allyl Chloride	<SRL	U	1	1.41	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.82	<SRL	U	1	2.91	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	1.41	<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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62887				241964-62888				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.41				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	1.41	<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	1.41	<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	1.41	<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		92%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62889				241964-62890				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.52				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methanol	7.65		1	7.59	10.5		1	7.35	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethanol	31.9		1	3.04	19.3		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Acetone	3.20		1	3.04	4.32		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	2.94	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	2.94	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62889				241964-62890				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.52				1.47				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.47	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
BFB-Surrogate Std, % Recovery		93%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62891				241964-62892				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.42				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	1.42	<SRL	U	1	1.43	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	13.4		1	7.09	10.8		1	7.17	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	4.91		1	2.84	3.17		1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
Acetone	5.97		1	2.84	4.11		1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.87	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	1.42	<SRL	U	1	1.43	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.43	1.00
Carbon Disulfide	<SRL	U	1	2.84	<SRL	U	1	2.87	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	1.42	<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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
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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-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241964-62891				241964-62892				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.42				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	1.42	<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	1.42	<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	1.42	<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		93%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62893				241964-62894				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.53				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methanol	<SRL	U	1	7.65	13.3		1	6.95	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethanol	437		10	30.6	5.91		1	2.78	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Acetone	3.15		1	3.06	6.13		1	2.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	13.0		1	3.06	<SRL	U	1	2.78	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	2.78	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62893				241964-62894				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.53				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.70	0.50
BFB-Surrogate Std. % Recovery		97%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62895				241964-62896				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.48				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	1.48	<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	<SRL	U	1	7.41	<SRL	U	1	7.55	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	3.69		1	2.96	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	2.96	<SRL	U	1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<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	1.48	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.96	<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	1.48	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62895				241964-62896				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.48				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	1.48	<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	1.48	<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	1.48	<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		93%				96%			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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62897				241964-62898				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
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	<SRL	U	1	7.30	17.1		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	7.30		1	2.92	4.09		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.71	0.50
Acetone	4.12		1	2.92	4.19		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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62897				241964-62898				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
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		95%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62899				241964-62900				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.43				1.47				
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	1.43	<SRL	U	1	1.47	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	7.14	18.7		1	7.34	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	2.86	9.62		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
Acetone	3.30		1	2.86	4.91		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.94	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	1.43	<SRL	U	1	1.47	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.94	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	1.43	<SRL	U	1	1.47	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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62899				241964-62900				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.43				1.47				
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	1.43	<SRL	U	1	1.47	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	1.43	<SRL	U	1	1.47	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	1.43	<SRL	U	1	1.47	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		95%				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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62901				241964-62902				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
Can Dilution Factor	1.44				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	1.44	<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	7.98		1	7.22	12.3		1	7.19	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	2.89	18.8		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	3.58		1	2.89	4.63		1	2.88	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	2.88	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	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62901				241964-62902				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/20/2024				08/20/2024				
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	<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	1.44	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	1.44	<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	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<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		93%				95%			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 : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62903				
Date Sampled	08/19/2024				
Date Analyzed	08/20/2024				
Can Dilution Factor	1.89				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.94	0.50
Propene	6.08		1	1.89	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	559		10	94.4	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	85.8		1	3.78	2.00
Vinyl Bromide	<SRL	U	1	0.94	0.50
Acetone	37.3		1	3.78	2.00
Trichlorofluoromethane	<SRL	U	1	0.94	0.50
2-Propanol (IPA)	14.9		1	3.78	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	1.89	1.00
Allyl Chloride	<SRL	U	1	1.89	1.00
Carbon Disulfide	<SRL	U	1	3.78	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)	25.0		1	1.89	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	1.61		1	0.94	0.50
Tetrahydrofuran	24.7		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	13.2		1	0.94	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241964
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62903				
Date Sampled	08/19/2024				
Date Analyzed	08/20/2024				
Can Dilution Factor	1.89				
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	1.89	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)	1.23		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	1.96		1	0.94	0.50
2-Hexanone (MBK)	<SRL	U	1	1.89	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	1.79		1	0.94	0.50
m & p-Xylene	<SRL	U	1	1.89	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		99%			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 : 241964
MATRIX : AIR

DATE RECEIVED : 08/19/2024
DATE REPORTED : 08/21/2024
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	241964-62887	08/19/2024	08/20/2024	<SRL	U	1.41	1.0	92%
MS-07	241964-62888	08/19/2024	08/20/2024	<SRL	U	1.45	1.0	95%
MS-08	241964-62889	08/19/2024	08/20/2024	<SRL	U	1.52	1.0	93%
MS-09	241964-62890	08/19/2024	08/20/2024	<SRL	U	1.47	1.0	93%
MS-10	241964-62891	08/19/2024	08/20/2024	<SRL	U	1.42	1.0	93%
MS-11	241964-62892	08/19/2024	08/20/2024	<SRL	U	1.43	1.0	92%
MS-12	241964-62893	08/19/2024	08/20/2024	<SRL	U	1.53	1.0	97%
SCV	241964-62894	08/19/2024	08/20/2024	<SRL	U	1.39	1.0	93%
Chiquito Cyn Rd	241964-62895	08/19/2024	08/20/2024	<SRL	U	1.48	1.0	93%
S End Lincoln	241964-62896	08/19/2024	08/20/2024	<SRL	U	1.51	1.0	96%
MS-01	241964-62897	08/19/2024	08/20/2024	<SRL	U	1.46	1.0	95%
MS-02	241964-62898	08/19/2024	08/20/2024	<SRL	U	1.42	1.0	94%
MS-03	241964-62899	08/19/2024	08/20/2024	<SRL	U	1.43	1.0	95%
MS-04	241964-62900	08/19/2024	08/20/2024	<SRL	U	1.47	1.0	94%
MS-05	241964-62901	08/19/2024	08/20/2024	<SRL	U	1.44	1.0	93%
Working Face	241964-62902	08/19/2024	08/20/2024	<SRL	U	1.44	1.0	95%
Reaction	241964-62903	08/19/2024	08/20/2024	19.9		1.89	1.0	99%

* 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 : 08/20/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.63	102
Chlorodifluoromethane	10.20	8.83	87
Propene	10.70	12.74	119
Dichlorodifluoromethane	10.40	10.26	99
Dimethyl Ether	10.10	8.67	86
Chloromethane	10.50	8.81	84
Dichlorotetrafluoroethane	10.20	9.23	90
Vinyl Chloride	10.60	9.34	88
Acetaldehyde	20.90	21.82	104
Methanol	20.40	16.40	80
1,3-Butadiene	10.70	10.06	94
Bromomethane	10.40	9.02	87
Chloroethane	10.40	8.94	86
Dichlorofluoromethane	10.10	9.15	91
Ethanol	11.40	9.45	83
Vinyl Bromide	10.10	9.17	91
Acrolein	10.90	9.13	84
Acetone	10.60	9.01	85
Trichlorofluoromethane	10.50	10.05	96
2-Propanol (IPA)	11.00	9.32	85
Acrylonitrile	11.10	10.03	90
1,1-Dichloroethene	10.50	9.56	91
Methylene Chloride (DCM)	10.40	9.13	88
TertButanol (TBA)	11.20	9.63	86
Allyl Chloride	10.20	8.90	87
Carbon Disulfide	10.50	9.76	93
Trichlorotrifluoroethane	10.30	9.43	92
trans-1,2-Dichloroethene	10.80	9.88	91
1,1-Dichloroethane	10.70	9.56	89
Methyl Tert Butyl Ether (MTBE)	10.70	10.03	94
Vinyl Acetate	11.00	9.90	90
2-Butanone (MEK)	10.70	9.94	93
cis-1,2-Dichloroethene	10.70	9.99	93
Hexane	10.80	10.43	97
Chloroform	10.70	10.23	96
Ethyl Acetate	10.70	9.46	88
Tetrahydrofuran	10.40	9.29	89
1,2-Dichloroethane	10.60	10.10	95
1,1,1-Trichloroethane	10.50	10.51	100
Benzene	10.70	9.76	91
Carbon Tetrachloride	10.30	10.12	98
Cyclohexane	10.50	9.53	91

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.29	87
Bromodichloromethane	10.50	9.87	94
1,4-Dioxane	10.50	9.28	88
Trichloroethene (TCE)	10.50	9.75	93
2,2,4-Trimethylpentane	10.10	9.08	90
Methyl Methacrylate	11.00	10.03	91
Heptane	10.50	9.43	90
cis-1,3-Dichloropropene	10.50	9.59	91
4-Methyl-2-pentanone (MiBK)	10.50	8.93	85
trans-1,3-Dichloropropene	10.60	10.27	97
1,1,2-Trichloroethane	10.60	9.74	92
Toluene	10.80	9.99	93
2-Hexanone (MBK)	10.50	9.15	87
Dibromochloromethane	10.60	10.12	95
1,2-Dibromoethane	10.60	10.03	95
Tetrachloroethene (PCE)	10.50	9.85	94
Chlorobenzene	10.80	9.70	90
Ethylbenzene	10.60	9.79	92
m & p-Xylene	21.20	20.89	99
Bromoform	10.60	10.31	97
Styrene	10.60	9.98	94
1,1,2,2-Tetrachloroethane	10.60	8.97	85
o-Xylene	10.60	9.72	92
1,2,3-Trichloropropane	11.00	10.11	92
Isopropylbenzene (Cumene)	10.40	9.39	90
α-Pinene	10.80	10.70	99
2-Chlorotoluene	10.30	9.43	92
n-Propylbenzene	10.10	9.07	90
4-Ethyltoluene	10.40	9.52	92
1,3,5-Trimethylbenzene	10.30	9.35	91
β-Pinene	10.90	14.11	129
1,2,4-Trimethylbenzene	10.30	9.32	90
Benzyl Chloride (a-Chlorotoluene)	10.30	10.03	97
1,3-Dichlorobenzene	10.30	9.37	91
1,4-Dichlorobenzene	10.20	9.42	92
Sec-ButylBenzene	10.00	8.70	87
1,2-Dichlorobenzene	10.40	9.42	91
n-ButylBenzene	10.20	9.18	90
1,2-Dibromo-3-Chloropropane	10.10	9.07	90
1,2,4-Trichlorobenzene	10.50	9.58	91
Naphthalene	10.90	8.85	81
Hexachlorobutadiene	10.80	9.16	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.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/20/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.63	9.69	102	103	0.6
1,1-Dichloroethene	0.0	10.50	9.56	9.33	91	89	2.4
Methylene Chloride (DCM)	0.0	10.40	9.13	8.78	88	84	3.9
Benzene	0.0	10.70	9.76	9.90	91	93	1.4
Trichloroethene (TCE)	0.0	10.50	9.75	9.83	93	94	0.8
Toluene	0.0	10.80	9.99	9.93	93	92	0.6
Tetrachloroethene (PCE)	0.0	10.50	9.85	9.89	94	94	0.4
Chlorobenzene	0.0	10.80	9.70	9.61	90	89	0.9
Ethylbenzene	0.0	10.60	9.79	9.80	92	92	0.1
m & p-Xylene	0.0	21.20	20.89	20.90	99	99	0.0
o-Xylene	0.0	10.60	9.72	9.63	92	91	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 : 08/20/2024 | **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 082024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	100%	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 082024*	*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	1.0
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 : 08/20/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.89

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241964-62903

Analyte Compounds		*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)		9.35	8.96	4.3
Chlorodifluoromethane		<SRL	<SRL	*NA*
Propene		6.08	5.82	4.4
Dichlorodifluoromethane		<SRL	<SRL	*NA*
Dimethyl Ether		13.8	13.2	4.3
Chloromethane		<SRL	<SRL	*NA*
Dichlorotetrafluoroethane		<SRL	<SRL	*NA*
Vinyl Chloride		<SRL	<SRL	*NA*
Acetaldehyde	J	7.27	6.36	13.3
Methanol	E	546	526	3.6
1,3-Butadiene		<SRL	<SRL	*NA*
Bromomethane		<SRL	<SRL	*NA*
Chloroethane		<SRL	<SRL	*NA*
Dichlorofluoromethane		<SRL	<SRL	*NA*
Ethanol		85.8	82.4	4.1
Vinyl Bromide		<SRL	<SRL	*NA*
Acrolein		<SRL	<SRL	*NA*
Acetone		37.3	35.9	3.9
Trichlorofluoromethane		<SRL	<SRL	*NA*
2-Propanol (IPA)		14.9	14.4	3.4
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)		25.0	24.2	3.5
cis-1,2-Dichloroethene		<SRL	<SRL	*NA*
Hexane		<SRL	<SRL	*NA*
Chloroform		<SRL	<SRL	*NA*
Ethyl Acetate		1.61	1.49	7.3
Tetrahydrofuran		24.7	24.6	0.5
1,2-Dichloroethane		<SRL	<SRL	*NA*
1,1,1-Trichloroethane		<SRL	<SRL	*NA*
Benzene		13.2	12.8	3.2
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)		1.23	1.17	4.7
trans-1,3-Dichloropropene		<SRL	<SRL	*NA*
1,1,2-Trichloroethane		<SRL	<SRL	*NA*
Toluene		1.96	1.93	1.9
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		1.79	1.68	6.5
m & p-Xylene	J	1.51	1.51	0.0
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/20/2024 | **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 082024*	*PQL*[1]	*MDL*[2]
4-BFB (surrogate standard)	88%	100±30%	*NA*
Chlorodifluoromethane	<PQL	0.5	0.083
Propene	<PQL	1.0	0.125
Dichlorodifluoromethane	<PQL	0.5	0.028
Dimethyl Ether	<PQL	0.5	0.084
Chloromethane	<PQL	0.5	0.139
Dichlorotetrafluoroethane	<PQL	0.5	0.028
Vinyl Chloride	<PQL	0.5	0.044
Acetaldehyde	<PQL	5.0	0.962
Methanol	<PQL	5.0	0.178
1,3-Butadiene	<PQL	0.5	0.057
Bromomethane	<PQL	0.5	0.058
Chloroethane	<PQL	0.5	0.459
Dichlorofluoromethane	<PQL	0.5	0.051
Ethanol	<PQL	2.0	0.085
Vinyl Bromide	<PQL	0.5	0.059
Acrolein	<PQL	1.0	0.166
Acetone	<PQL	2.0	0.070
Trichlorofluoromethane	<PQL	0.5	0.029
2-Propanol (IPA)	<PQL	2.0	0.091
Acrylonitrile	<PQL	0.5	0.424
1,1-Dichloroethene	<PQL	0.5	0.046
Methylene Chloride (DCM)	0.10	1.0	0.146
TertButanol (TBA)	<PQL	0.5	0.100
Allyl Chloride	<PQL	1.0	0.112
Carbon Disulfide	<PQL	2.0	0.057
Trichlorotrifluoroethane	<PQL	0.5	0.037
trans-1,2-Dichloroethene	<PQL	0.5	0.050
1,1-Dichloroethane	<PQL	0.5	0.074
Methyl Tert Butyl Ether (MTBE)	<PQL	0.5	0.045
Vinyl Acetate	<PQL	0.5	0.121
2-Butanone (MEK)	<PQL	1.0	0.139
cis-1,2-Dichloroethene	<PQL	0.5	0.059
Hexane	<PQL	0.5	0.115
Chloroform	<PQL	0.5	0.036
Ethyl Acetate	<PQL	0.5	0.142
Tetrahydrofuran	<PQL	0.5	0.090
1,2-Dichloroethane	<PQL	0.5	0.071
1,1,1-Trichloroethane	<PQL	0.5	0.038
Benzene	<PQL	0.5	0.071
Carbon Tetrachloride	<PQL	0.5	0.035
Cyclohexane	<PQL	0.5	0.059

Analyte Compounds (Continued)	*MB 082024*	*PQL*[1]	*MDL*[2]
1,2-Dichloropropane	<PQL	0.5	0.097
Bromodichloromethane	<PQL	0.5	0.046
1,4-Dioxane	<PQL	1.0	0.049
Trichloroethene (TCE)	<PQL	0.5	0.048
2,2,4-Trimethylpentane	<PQL	0.5	0.086
Methyl Methacrylate	<PQL	0.5	0.055
Heptane	<PQL	0.5	0.075
cis-1,3-Dichloropropene	<PQL	0.5	0.065
4-Methyl-2-pentanone (MiBK)	<PQL	0.5	0.150
trans-1,3-Dichloropropene	<PQL	0.5	0.061
1,1,2-Trichloroethane	<PQL	0.5	0.068
Toluene	<PQL	0.5	0.074
2-Hexanone (MBK)	<PQL	1.0	0.173
Dibromochloromethane	<PQL	0.5	0.022
1,2-Dibromoethane	<PQL	0.5	0.053
Tetrachloroethene (PCE)	<PQL	0.5	0.040
Chlorobenzene	<PQL	0.5	0.044
Ethylbenzene	<PQL	0.5	0.042
m & p-Xylene	<PQL	1.0	0.102
Bromoform	<PQL	0.5	0.038
Styrene	<PQL	0.5	0.050
1,1,2,2-Tetrachloroethane	<PQL	0.5	0.039
o-Xylene	<PQL	0.5	0.042
1,2,3-Trichloropropane	<PQL	0.5	0.043
Isopropylbenzene (Cumene)	<PQL	0.5	0.030
α-Pinene	<PQL	0.5	0.062
2-Chlorotoluene	<PQL	0.5	0.041
n-Propylbenzene	<PQL	0.5	0.042
4-Ethyltoluene	<PQL	0.5	0.033
1,3,5-Trimethylbenzene	<PQL	0.5	0.041
β-Pinene	<PQL	1.0	0.470
1,2,4-Trimethylbenzene	<PQL	0.5	0.037
Benzyl Chloride (a-Chlorotoluene)	<PQL	0.5	0.058
1,3-Dichlorobenzene	<PQL	0.5	0.039
1,4-Dichlorobenzene	<PQL	0.5	0.056
Sec-ButylBenzene	<PQL	0.5	0.059
1,2-Dichlorobenzene	<PQL	0.5	0.041
n-ButylBenzene	<PQL	0.5	0.068
1,2-Dibromo-3-Chloropropane	<PQL	0.5	0.069
1,2,4-Trichlorobenzene	<PQL	0.5	0.158
Naphthalene	<PQL	0.5	0.240
Hexachlorobutadiene	<PQL	0.5	0.133

[1] Practical Quantitation Limit (PQL)

[2] Method Detection Limit (MDL)

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

241964

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 [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	62887	8/19	0928	summa 1	X					
MS-07	62888		1126		X					
MS-08	62889		1201		X					
MS-09	62890		1216		X					
MS-10	62891		0833		X					
MS-11	62892		0853		X					
MS-12	62893		1152		X					
SCV	62894		0815		X					
Chiquito Cyn Rd	62895		1137		X					
S. End Lincoln	62896	↓	1145	↓	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 8/19 Time 1340	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340	

17 cans

241964

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]
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	62897	8/19	1036	summa 1	X				
MS-02	62898		0954		X				
MS-03	62899		0939		X				
MS-04	62900		1054		X				
MS-05	62901		1018		X				
Working Face	62902		1005		X				
Reaction	62903		1103		X				

LAB USE ONLY
Lab ID
Sample Received via: ☐Fedex ☐UPS ☐Courier ☐Other
Temperature °C
Thermometer ID
Initials
Ambient Blank
Trip Blank
Unused Cells
Flow Controllers

Client Notes/Special Instructions:

EDD?
☐Yes
☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/19 Time 1340	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/21 Time 1340

241964

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	62904	8/19	0928	tedlar 1	X				
MS-07	62905		1126		X				
MS-08	62906		1201		X				
MS-09	62907		1216		X				
MS-10	62908		0833		X				
MS-11	62909		0853		X				
MS-12	62910	8/19/24	1152		X				
SCV	62911		0815		X				
Chiquito Cyn Rd	62912		1137		X				
S. End Lincoln	62913		1145		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
Flow Controller

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY Notes

Relinquished By Print: Armando Hurtado Signature:	Date 8/19 Time 1340	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340

241964

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]

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	62914	8/19	1036	tedlar 1	X				
MS-02	62915		0954		X				
MS-03	62916		0939		X				
MS-04	62917		1054		X				
MS-05	62918		1018		X				
Working Face	62919		1005		X				
Reaction	62920		1103		X				

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature
Thermometer ID
Initials
Received Blue Ice
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY
Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/19 Time 1340	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 Task 22
AAC PROJECT NO.	: 241964
REPORT DATE	: 08/22/2024

On August 19th 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	241964-62904	S. End Lincoln	241964-62913
MS-07	241964-62905	MS-01	241964-62914
MS-08	241964-62906	MS-02	241964-62915
MS-09	241964-62907	MS-03	241964-62916
MS-10	241964-62908	MS-04	241964-62917
MS-11	241964-62909	MS-05	241964-62918
MS-12	241964-62910	Working Face	241964-62919
SCV	241964-62911	Reaction	241964-62920
Chiquito Cyn Rd	241964-62912	-	-

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. : 241964
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19/2024
RECEIVING DATE : 08/19/2024
ANALYSIS DATE : 08/19-20/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	241964-62904	241964-62905	241964-62906	241964-62907	241964-62908	241964-62909
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. : 241964
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19/2024
RECEIVING DATE : 08/19/2024
ANALYSIS DATE : 08/19-20/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	241964-62910	241964-62911	241964-62912	241964-62913	241964-62914	241964-62915
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

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241964
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19/2024
RECEIVING DATE : 08/19/2024
ANALYSIS DATE : 08/19-20/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	241964-62916	241964-62917	241964-62918	241964-62919	241964-62920
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	**0.034**
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	**0.034**

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: 8/19/2024
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	11033	0.512	100.1	2.8
Duplicate	10552	0.489	95.7	1.7
Triplicate	10623	0.493	96.4	1.1

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9635	0.520	103.5	4.4
Duplicate	9015	0.486	96.9	2.3
Triplicate	9034	0.487	97.1	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12430	0.516	103.8	0.2
Duplicate	12466	0.517	104.1	0.0
Triplicate	12487	0.518	104.3	0.2

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	0.266	0.259	104.1	101.4	2.7
MeSH	<PQL	0.251	0.266	0.258	106.0	102.8	3.1
DMS	<PQL	0.249	0.269	0.271	108.2	109.1	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.544	106.5
MeSH	0.502	0.548	109.2
DMS	0.497	0.541	108.9

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: 8/20/2024
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	11062	0.513	100.4	2.6
Duplicate	10708	0.497	97.2	0.7
Triplicate	10568	0.490	95.9	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9359	0.505	100.6	1.9
Duplicate	9111	0.492	97.9	0.8
Triplicate	9088	0.490	97.7	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12552	0.521	104.8	1.0
Duplicate	12428	0.516	103.8	0.0
Triplicate	12290	0.510	102.6	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241964-62907**

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 **241964-62907 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.230	0.232	90.0	90.8	0.9
MeSH	<PQL	0.251	0.245	0.251	97.6	100.0	2.4
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	0.472	92.4
MeSH	0.502	0.479	95.4
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

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

241964

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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 [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	62904	8/19	0928	tedlar 1	X					
MS-07	62905		1126		X					
MS-08	62906		1201		X					
MS-09	62907		1216		X					
MS-10	62908		0833		X					
MS-11	62909		0853		X					
MS-12	62910	8/19/24	1152		X					
SCV	62911		0815		X					
Chiquito Cyn Rd	62912		1137		X					
S. End Lincoln	62913	↓	1145	↓	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 8/19 Time 1340	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340	

241964

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]
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	62914	8/19	1038	tedlar 1	X					
MS-02	62915		0954		X					
MS-03	62916		0939		X					
MS-04	62917		1054		X					
MS-05	62918		1018		X					
Working Face	62919		1005		X					
Reaction	62920		1103		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 8/19 Time 1340	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340	

241964

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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 [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	62887	8/19	0928	summa 1	X				
MS-07	62888		1126		X				
MS-08	62889		1201		X				
MS-09	62890		1216		X				
MS-10	62891		0833		X				
MS-11	62892		0853		X				
MS-12	62893		1152		X				
SCV	62894		0815		X				
Chiquito Cyn Rd	62895		1137		X				
S. End Lincoln	62896	↓	1145		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 8/19 Time 1340	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/24 Time 1340

17 ea

241964

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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]

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	62897	8/19	1036	summa 1	X					
MS-02	62898		0954		X					
MS-03	62899		0939		X					
MS-04	62900		1054		X					
MS-05	62901		1018		X					
Working Face	62902		1005		X					
Reaction	62903		1103		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 8/19 Time 1340	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date 8/19/21 Time 1340

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 242013
REPORT DATE : 08/28/2024

On August 26, 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	242013-63181	713.5	S End Lincoln	242013-63190	682.5
MS-07	242013-63182	689.0	MS-01	242013-63191	694.5
MS-08	242013-63183	678.5	MS-02	242013-63192	686.0
MS-09	242013-63184	681.0	MS-03	242013-63193	721.0
MS-10	242013-63185	690.5	MS-04	242013-63194	691.5
MS-11	242013-63186	716.5	MS-05	242013-63195	712.0
MS-12	242013-63187	677.5	Working Face	242013-63196	684.0
SCV	242013-63188	684.0	Reaction	242013-63197	697.0
Chiquito Cyn Rd	242013-63189	687.0	--	--	--

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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63181				242013-63182				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
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	9.62		1	7.37	<SRL	U	1	7.42	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	3.57		1	2.95	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	8.61		1	2.95	3.89		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.95	<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	1.47	<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	2.97	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	1.47	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63181				242013-63182				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
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		96%				97%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63183				242013-63184				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.53				1.51				
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	1.51	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	<SRL	U	1	7.65	<SRL	U	1	7.55	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	<SRL	U	1	3.06	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Acetone	3.32		1	3.06	4.12		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	<SRL	U	1	3.02	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	1.51	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	3.02	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	1.51	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63183				242013-63184				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.53				1.51				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
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	1.51	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	1.51	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	1.51	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		98%				97%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63185				242013-63186				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.49				1.44				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	1.49	<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	0.76		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	<SRL	U	1	7.45	12.1		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	<SRL	U	1	2.98	6.60		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Acetone	4.77		1	2.98	6.90		1	2.88	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<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	1.49	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	2.98	<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	1.49	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63185				242013-63186				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.49				1.44				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
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	1.49	<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	1.49	<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	1.49	<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		95%				97%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63187				242013-63188				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.51				1.50				
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	1.51	<SRL	U	1	1.50	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	7.55	<SRL	U	1	7.48	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	3.02	<SRL	U	1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	4.20		1	3.02	3.82		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.02	<SRL	U	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	1.51	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.02	<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	1.51	<SRL	U	1	1.50	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63187				242013-63188				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.51				1.50				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
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	1.51	<SRL	U	1	1.50	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	1.51	<SRL	U	1	1.50	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	1.51	<SRL	U	1	1.50	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		96%				100%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63189				242013-63190				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.51				1.51				
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	1.51	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Chloromethane	0.77		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	8.14		1	7.54	<SRL	U	1	7.54	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	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acetone	<SRL	U	1	3.01	4.09		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.01	<SRL	U	1	3.02	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	1.51	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	3.01	<SRL	U	1	3.02	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	1.51	<SRL	U	1	1.51	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63189				242013-63190				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.51				1.51				
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	1.51	<SRL	U	1	1.51	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	1.51	<SRL	U	1	1.51	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	1.51	<SRL	U	1	1.51	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		95%				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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63191				242013-63192				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.47				1.50				
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	1.50	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	9.83		1	7.37	9.50		1	7.48	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	3.94		1	2.95	3.58		1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	5.29		1	2.95	4.19		1	2.99	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	2.99	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	1.50	1.00
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.99	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	1.50	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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63191				242013-63192				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.47				1.50				
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	1.50	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	1.50	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	1.50	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		94%				96%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63193				242013-63194				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.42				1.48				
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	3.02		1	1.48	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	9.94		1	7.09	107		1	7.39	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	4.11		1	2.83	56.8		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
Acetone	7.60		1	2.83	14.6		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.83	5.11		1	2.96	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	1.48	1.00
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.83	<SRL	U	1	2.96	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	5.20		1	1.48	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	5.22		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	3.95		1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63193				242013-63194				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
Can Dilution Factor	1.42				1.48				
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	1.48	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	1.48	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	1.48	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		98%				97%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63195				242013-63196				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
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	0.75	0.50
Propene	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	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	10.8		1	7.30	10.2		1	7.45	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	3.48		1	2.92	5.65		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
Acetone	5.93		1	2.92	5.16		1	2.98	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	<SRL	U	1	2.98	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	1.46	<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	2.92	<SRL	U	1	2.98	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	1.46	<SRL	U	1	1.49	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	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	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	<SRL	U	1	0.75	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63195				242013-63196				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/27/2024				08/27/2024				
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	0.75	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	1.46	<SRL	U	1	1.49	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	<SRL	U	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	<SRL	U	1	0.75	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	0.75	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	<SRL	U	1	0.75	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	0.75	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	<SRL	U	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	<SRL	U	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		94%				95%			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 : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63197				
Date Sampled	08/26/2024				
Date Analyzed	08/27/2024				
Can Dilution Factor	1.47				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	0.50
Propene	7.93		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	479		10	73.6	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	120		1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.74	0.50
Acetone	40.4		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	14.1		1	2.94	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	2.94	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)	20.5		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	21.3		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	12.9		1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242013
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63197				
Date Sampled	08/26/2024				
Date Analyzed	08/27/2024				
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)	1.41		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	2.09		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	1.77		1	0.74	0.50
m & p-Xylene	1.75		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	0.90		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		100%			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 : 242013
MATRIX : AIR

DATE RECEIVED : 08/26/2024
DATE REPORTED : 08/28/2024
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	242013-63181	08/26/2024	08/27/2024	<SRL	U	1.47	1.0	96%
MS-07	242013-63182	08/26/2024	08/27/2024	<SRL	U	1.48	1.0	97%
MS-08	242013-63183	08/26/2024	08/27/2024	<SRL	U	1.53	1.0	98%
MS-09	242013-63184	08/26/2024	08/27/2024	<SRL	U	1.51	1.0	97%
MS-10	242013-63185	08/26/2024	08/27/2024	<SRL	U	1.49	1.0	95%
MS-11	242013-63186	08/26/2024	08/27/2024	<SRL	U	1.44	1.0	97%
MS-12	242013-63187	08/26/2024	08/27/2024	<SRL	U	1.51	1.0	96%
SCV	242013-63188	08/26/2024	08/27/2024	<SRL	U	1.50	1.0	100%
Chiquito Cyn Rd	242013-63189	08/26/2024	08/27/2024	<SRL	U	1.51	1.0	95%
S End Lincoln	242013-63190	08/26/2024	08/27/2024	<SRL	U	1.51	1.0	94%
MS-01	242013-63191	08/26/2024	08/27/2024	<SRL	U	1.47	1.0	94%
MS-02	242013-63192	08/26/2024	08/27/2024	<SRL	U	1.50	1.0	96%
MS-03	242013-63193	08/26/2024	08/27/2024	<SRL	U	1.42	1.0	98%
MS-04	242013-63194	08/26/2024	08/27/2024	<SRL	U	1.48	1.0	97%
MS-05	242013-63195	08/26/2024	08/27/2024	<SRL	U	1.46	1.0	94%
Working Face	242013-63196	08/26/2024	08/27/2024	<SRL	U	1.49	1.0	95%
Reaction	242013-63197	08/26/2024	08/27/2024	<SRL	U	1.47	1.0	100%

* 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 : 08/27/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.51	101
Chlorodifluoromethane	10.20	10.20	100
Propene	10.70	11.57	108
Dichlorodifluoromethane	10.40	10.13	97
Dimethyl Ether	10.10	9.69	96
Chloromethane	10.50	10.42	99
Dichlorotetrafluoroethane	10.20	8.51	83
Vinyl Chloride	10.60	8.71	82
Acetaldehyde	20.90	23.96	115
Methanol	20.40	14.49	71
1,3-Butadiene	10.70	10.67	100
Bromomethane	10.40	8.64	83
Chloroethane	10.40	8.03	77
Dichlorofluoromethane	10.10	8.48	84
Ethanol	11.40	8.63	76
Vinyl Bromide	10.10	8.73	86
Acrolein	10.90	9.23	85
Acetone	10.60	9.71	92
Trichlorofluoromethane	10.50	10.64	101
2-Propanol (IPA)	11.00	8.11	74
Acrylonitrile	11.10	8.69	78
1,1-Dichloroethene	10.50	8.83	84
Methylene Chloride (DCM)	10.40	7.76	75
TertButanol (TBA)	11.20	9.71	87
Allyl Chloride	10.20	8.98	88
Carbon Disulfide	10.50	8.15	78
Trichlorotrifluoroethane	10.30	8.74	85
trans-1,2-Dichloroethene	10.80	8.95	83
1,1-Dichloroethane	10.70	9.09	85
Methyl Tert Butyl Ether (MTBE)	10.70	8.22	77
Vinyl Acetate	11.00	10.53	96
2-Butanone (MEK)	10.70	8.11	76
cis-1,2-Dichloroethene	10.70	9.12	85
Hexane	10.80	8.59	80
Chloroform	10.70	9.40	88
Ethyl Acetate	10.70	12.14	113
Tetrahydrofuran	10.40	7.97	77
1,2-Dichloroethane	10.60	10.18	96
1,1,1-Trichloroethane	10.50	10.08	96
Benzene	10.70	8.48	79
Carbon Tetrachloride	10.30	10.11	98
Cyclohexane	10.50	8.03	76

Analyte Compounds (Continued)		*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane		10.70	8.58	80
Bromodichloromethane		10.50	9.02	86
1,4-Dioxane		10.50	8.40	80
Trichloroethene (TCE)		10.50	8.94	85
2,2,4-Trimethylpentane		10.10	9.62	95
Methyl Methacrylate		11.00	8.10	74
Heptane		10.50	7.90	75
cis-1,3-Dichloropropene		10.50	8.09	77
4-Methyl-2-pentanone (MiBK)		10.50	9.86	94
trans-1,3-Dichloropropene		10.60	10.22	96
1,1,2-Trichloroethane		10.60	8.46	80
Toluene		10.80	8.72	81
2-Hexanone (MBK)		10.50	9.29	88
Dibromochloromethane		10.60	9.68	91
1,2-Dibromoethane		10.60	8.93	84
Tetrachloroethene (PCE)		10.50	8.99	86
Chlorobenzene		10.80	8.88	82
Ethylbenzene		10.60	8.68	82
m & p-Xylene		21.20	19.49	92
Bromoform		10.60	9.69	91
Styrene		10.60	8.76	83
1,1,2,2-Tetrachloroethane		10.60	7.99	75
o-Xylene		10.60	8.70	82
1,2,3-Trichloropropane		11.00	9.71	88
Isopropylbenzene (Cumene)		10.40	8.59	83
α-Pinene	LR	10.80	7.02	65
2-Chlorotoluene		10.30	9.18	89
n-Propylbenzene		10.10	8.48	84
4-Ethyltoluene		10.40	8.99	86
1,3,5-Trimethylbenzene		10.30	8.98	87
β-Pinene	LR	10.90	7.22	66
1,2,4-Trimethylbenzene		10.30	8.92	87
Benzyl Chloride (a-Chlorotoluene)		10.30	8.34	81
1,3-Dichlorobenzene		10.30	9.26	90
1,4-Dichlorobenzene		10.20	9.28	91
Sec-ButylBenzene		10.00	7.92	79
1,2-Dichlorobenzene		10.40	9.08	87
n-ButylBenzene		10.20	8.71	85
1,2-Dibromo-3-Chloropropane		10.10	8.67	86
1,2,4-Trichlorobenzene		10.50	10.28	98
Naphthalene		10.90	9.41	86
Hexachlorobutadiene		10.80	8.14	75

[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 : 08/27/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.51	9.30	101	99	2.2
1,1-Dichloroethene	0.0	10.50	8.83	9.63	84	92	8.7
Methylene Chloride (DCM)	0.0	10.40	7.76	8.60	75	83	10.3
Benzene	0.0	10.70	8.48	9.29	79	87	9.1
Trichloroethene (TCE)	0.0	10.50	8.94	10.00	85	95	11.2
Toluene	0.0	10.80	8.72	9.50	81	88	8.6
Tetrachloroethene (PCE)	0.0	10.50	8.99	10.04	86	96	11.0
Chlorobenzene	0.0	10.80	8.88	9.14	82	85	2.9
Ethylbenzene	0.0	10.60	8.68	9.09	82	86	4.6
m & p-Xylene	0.0	21.20	19.49	20.36	92	96	4.4
o-Xylene	0.0	10.60	8.70	9.05	82	85	3.9

[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 : 08/27/2024 | **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 082724*	*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 082724*	*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	1.0
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 : 08/27/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.47

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242013-63197

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.43	9.00	4.7
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	7.93	7.97	0.6
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	14.8	14.4	2.8
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	13.4	13.5	1.0
Methanol E	495	505	2.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	120	121	1.4
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	40.4	40.2	0.6
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	14.1	14.3	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)	20.5	20.5	0.0
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	<SRL	<SRL	*NA*
Tetrahydrofuran	21.3	22.0	2.9
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	12.9	12.9	0.1
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 J	0.75	0.75	0.0
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)	1.41	1.43	1.0
trans-1,3-Dichloropropene	<SRL	<SRL	*NA*
1,1,2-Trichloroethane	<SRL	<SRL	*NA*
Toluene	2.09	2.12	1.4
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	1.77	1.71	3.4
m & p-Xylene	1.75	1.66	5.2
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	0.90	0.91	1.6
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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

8/26/2013

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	63181	8/26	0901	summa 1	X					
MS-07	63182		1140		X					
MS-08	63183		1226		X					
MS-09	63184		1240		X					
MS-10	63185		1257		X					
MS-11	63186		0817		X					
MS-12	63187		1214		X					
SCV	63188		1314		X					
Chiquito Cyn Rd	63189		1151		X					
S. End Lincoln	63190	↓	1205	↓	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 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26/24 Time 1543
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

AAC COC Rev 3

10 - 17x cans

Issued 02/04/2021

Page____of____

2/2013

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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	63191	8/26	1006	summa 1	X				
MS-02	63192		1108		X				
MS-03	63193		0910		X				
MS-04	63194		1034		X				
MS-05	63195		0945		X				
Working Face	63196		1121		X				
Reaction	63197	↓	1048		X				

LAB USE ONLY

Lab ID	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 8/26 Time 1543	**Received By** Print: Signature:	Date 9/2/21 Time 1543
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242013

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	63198	8/26	0901	tedlar 1	X
MS-07	63199		1140		X
MS-08	63200		1226		X
MS-09	63201		1240		X
MS-10	63202		1257		X
MS-11	63203		0817		X
MS-12	63204		1214		X
SCV	63205		1314		X
Chiquito Cyn Rd	63206		1151		X
S. End Lincoln	63207		1205		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 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26/21 Time 1543
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242013

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]

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	63208	8/26	1006	tedlar 1	X					
MS-02	63209		1108		X					
MS-03	63210		0910		X					
MS-04	63211		1034		X					
MS-05	63212		0945		X					
Working Face	63213		1121		X					
Reaction	63214		1048		X					

LAB USE ONLY: Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other; Temperature; Thermometer ID; Initials; Ice/Ice Chest; Total Cans; Unused Cans; Flow Controllers

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY: Notes:

Relinquished By Print: Armando Hurtado Signature:	Date 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26 by Time 1543	
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.	: 242013
REPORT DATE	: 08/28/2024

On August 26th 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	242013-63198	S. End Lincoln	242013-63207
MS-07	242013-63199	MS-01	242013-63208
MS-08	242013-63200	MS-02	242013-63209
MS-09	242013-63201	MS-03	242013-63210
MS-10	242013-63202	MS-04	242013-63211
MS-11	242013-63203	MS-05	242013-63212
MS-12	242013-63204	Working Face	242013-63213
SCV	242013-63205	Reaction	242013-63214
Chiquito Cyn Rd	242013-63206		

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 11 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. : 242013
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26/2024
RECEIVING DATE : 08/26/2024
ANALYSIS DATE : 08/26-27/2024
REPORT DATE : 08/28/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242013-63198	242013-63199	242013-63200	242013-63201	242013-63202	242013-63203
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	**0.006**
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	**0.006**

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

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242013
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26/2024
RECEIVING DATE : 08/26/2024
ANALYSIS DATE : 08/26-27/2024
REPORT DATE : 08/28/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	242013-63204	242013-63205	242013-63206	242013-63207	242013-63208	242013-63209
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 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. : 242013
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26/2024
RECEIVING DATE : 08/26/2024
ANALYSIS DATE : 08/27/2024
REPORT DATE : 08/28/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242013-63210	242013-63211	242013-63212	242013-63213	242013-63214
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	**0.018**
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	**0.018**

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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/26/2024
Analyst: NR/DM
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	10939	0.507	99.3	1.6
Duplicate	10695	0.496	97.0	0.7
Triplicate	10670	0.495	96.8	0.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9415	0.508	101.2	1.9
Duplicate	9124	0.492	98.0	1.3
Triplicate	9184	0.495	98.7	0.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12488	0.518	104.3	1.0
Duplicate	12344	0.512	103.1	0.2
Triplicate	12265	0.509	102.4	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.256	0.264	100.2	103.3	3.1
MeSH	<PQL	0.251	0.265	0.269	105.6	107.2	1.5
DMS	<PQL	0.249	0.272	0.273	109.5	109.9	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.505	98.8
MeSH	0.502	0.505	100.6
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: 8/27/2024
Analyst: NR/DM
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	10797	0.501	98.0	1.4
Duplicate	10622	0.493	96.4	0.2
Triplicate	10526	0.488	95.5	1.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9187	0.496	98.7	0.1
Duplicate	9144	0.493	98.3	0.6
Triplicate	9259	0.500	99.5	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12530	0.520	104.6	1.4
Duplicate	12510	0.519	104.5	1.2
Triplicate	12031	0.499	100.5	2.6

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	0.234	0.231	91.6	90.4	1.3
MeSH	<PQL	0.251	0.238	0.243	94.8	96.8	2.1
DMS	<PQL	0.249	0.265	0.257	106.6	103.4	3.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.497	99.0
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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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/27/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11375	499	97.7	1.2
Duplicate	11663	511	100.2	1.3
Triplicate	11513	505	98.9	0.0

501.8 ppbV H2S (GC-110223-01)

MeSH		Result	% Rec *	% RPD ****
Initial	9978	492	98.1	0.5
Duplicate	9993	493	98.2	0.3
Triplicate	10108	499	99.4	0.8

497.0 ppbV H2S (GC-110223-01)

DMS		Result	% Rec *	% RPD ****
Initial	14731	501	100.8	0.3
Duplicate	14972	509	102.5	1.3
Triplicate	14642	498	100.2	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242013-63200**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242013-63200 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	257.6	251.3	100.9	98.4	2.5
MeSH	<PQL	250.9	249.1	255.0	99.3	101.6	2.3
DMS	<PQL	248.5	254.1	255.0	102.3	102.6	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	499.3	97.8
MeSH	501.8	504.0	100.5
DMS	497.0	536.1	107.9

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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242013

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 [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	63198	8/26	0901	tedlar 1	X					
MS-07	63199	"	1140	"	X					
MS-08	63200	"	1226	"	X					
MS-09	63201	"	1240	"	X					
MS-10	63202	"	1257	"	X					
MS-11	63203	"	0817	"	X					
MS-12	63204	"	1214	"	X					
SCV	63205	"	1314	"	X					
Chiquito Cyn Rd	63206	"	1151	"	X					
S. End Lincoln	63207	"	1205	"	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 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26/21 Time 1543
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242013

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]

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	63203	8/26	1006	tedlar 1	X					
MS-02	63209		1108		X					
MS-03	63210		0910		X					
MS-04	63211		1034		X					
MS-05	63212		0945		X					
Working Face	63213		1121		X					
Reaction	63214		1048		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 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26/21 Time 1543	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

24 2013

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 [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	63181	8/26	0901	summa 1	X					
MS-07	63182		1140		X					
MS-08	63183		1226		X					
MS-09	63184		1240		X					
MS-10	63185		1257		X					
MS-11	63186		0817		X					
MS-12	63187		1214		X					
SCV	63188		1314		X					
Chiquito Cyn Rd	63189		1151		X					
S. End Lincoln	63190		1205		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 8/26 Time 1543	**Received By** Print: H Signature:	Date 8/26/24 Time 1543	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

AAC COC Rev 3

p/o - 17x cans

Issued 02/04/2021

Page____of____

2/2013

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]

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	63191	8/26	1006	summa 1	X					
MS-02	63192		1108		X					
MS-03	63193		0910		X					
MS-04	63194		1034		X					
MS-05	63195		0945		X					
Working Face	63196		1121		X					
Reaction	63197	↓	1048	↓	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 8/26 Time 1543	**Received By** Print: Signature:	Date 8/26/21 Time 1543
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples August 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	8/5/2024	8:57		8/6/2024	9:00 AM	2806	plastic
	MS-02	8/5/2024	9:56	sweet, masking agent (masking agent spraying in direction of sample)	8/6/2024	12:15 PM	3536	
	MS-03	8/5/2024	12:08		8/6/2024	12:40 PM	1768	petroleum, machine oil
	MS-04	8/5/2024	9:29	strong leachate	8/6/2024	10:30 AM	1403	decay, naturally offensive, trash
	MS-05	8/5/2024	8:44		8/6/2024	11:20 AM	1403	
	Working/Active	8/5/2024	9:17	dirt, cement	8/6/2024	9:15 AM	1539	stale
	Reaction	8/5/2024	9:38	leachate	8/6/2024	11:35 AM	4204	leachate, foul, trash
Off-Site	MS-06	8/5/2024	11:59		8/6/2024	10:15 AM	1250	vegetation
	MS-07	8/5/2024	10:13	slight leachate	8/6/2024	10:45 AM	3536	rubber
	MS-08	8/5/2024	10:46		8/6/2024	9:30 AM	5946	plastic
	MS-09	8/5/2024	10:57		8/6/2024	11:55 AM	442	grassy, vegetation
	MS-10	8/5/2024	11:15		8/6/2024	12:25 PM	1768	plastic, synthetic
	MS-11	8/5/2024	11:39		8/6/2024	10:00 AM	884	stale, synthetic
	MS-12	8/5/2024	10:40		8/6/2024	9:45 AM	1768	mulch, grass, vegtation
	SCV	8/5/2024	11:06	food, savory, gasoline	8/6/2024	11:45 AM	1250	chlorine
	Chiquito	8/5/2024	10:22		8/6/2024	11:10 AM	5612	grassy vegetation
	S End Lincoln	8/5/2024	10:31	strong leachate	8/6/2024	12:05 PM	2227	woodsy

Odor Samples August 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	8/12/2024	11:17		8/13/2024	12:17 PM	884	plastic
	MS-02	8/12/2024	12:15	cinnamon, masking agent	8/13/2024	1:05 PM	1114	rancid
	MS-03	8/12/2024	13:02		8/13/2024	1:35 PM	1487	
	MS-04	8/12/2024	11:35	leachate	8/13/2024	10:45 AM	1985	rotten
	MS-05	8/12/2024	11:02	gust of gas	8/13/2024	1:20 PM	1403	naturally offensive
	Working/Active	8/12/2024	12:05	dirt, sour, expired milk	8/13/2024	12:00 PM	2228	salty
	Reaction	8/12/2024	11:46	leachate	8/13/2024	10:20 AM	3537	trash, garbage
Off-Site	MS-06	8/12/2024	12:44		8/13/2024	11:15 AM	625	stale, plastic
	MS-07	8/12/2024	9:13	slight leachate	8/13/2024	9:00 AM	1250	
	MS-08	8/12/2024	9:45		8/13/2024	10:05 AM	2227	
	MS-09	8/12/2024	10:01	sweet, vegetation	8/13/2024	9:15 AM	1250	citrus
	MS-10	8/12/2024	10:29	vegetation	8/13/2024	12:35 PM	1403	bitter
	MS-11	8/12/2024	8:49	grass	8/13/2024	9:50 AM	1340	dirt
	MS-12	8/12/2024	9:38		8/13/2024	11:26 AM	2227	vegetation
	SCV	8/12/2024	10:13	dirt, vegetation	8/13/2024	11:42 AM	1166	grassy
	Chiquito	8/12/2024	9:23		8/13/2024	12:50 PM	2500	rubbery, unpleasant
	S End Lincoln	8/12/2024	9:31	strong leachate	8/13/2024	9:30 AM	1487	rotten

Odor Samples August 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	8/19/2024	10:36		8/20/2024	1:20 PM	1250	grass
	MS-02	8/19/2024	9:54	cinnamon	8/20/2024	12:12 PM	1250	woodsy
	MS-03	8/19/2024	9:39	dirt	8/20/2024	12:30 PM	2973	chemical, alcohol
	MS-04	8/19/2024	10:54	leachate	8/20/2024	10:03 AM	1113	stale
	MS-05	8/19/2024	10:18	dirt, rotten milk	8/20/2024	11:25 AM	<125	unnatural, chlorine, trash
	Working/Active	8/19/2024	10:05	dirt, rotten milk	8/20/2024	11:40 AM	350	naturally offensive
	Reaction	8/19/2024	11:03		8/20/2024	10:49 AM	2030	rancid, garbage, putrid, nasty
Off-Site	MS-06	8/19/2024	9:28	dirt	8/20/2024	1:00 PM	<125	rotten
	MS-07	8/19/2024	11:26	dirt	8/20/2024	9:13 AM	<125	
	MS-08	8/19/2024	12:01	dirt	8/20/2024	10:35 AM	1403	vegtation, unpleasant
	MS-09	8/19/2024	12:16	sweet vanilla	8/20/2024	1:34 PM	1051	petroleum
	MS-10	8/19/2024	8:33	vegetation	8/20/2024	9:33 AM	1403	
	MS-11	8/19/2024	8:53	vegetation	8/20/2024	9:49 AM	1768	dirt
	MS-12	8/19/2024	11:52	dirt	8/20/2024	12:45 PM	884	stale
	SCV	8/19/2024	8:15	vegetation	8/20/2024	1:53 PM	884	plastic
	Chiquito	8/19/2024	11:37	dirt	8/20/2024	11:56 AM	1113	plastic
	S End Lincoln	8/19/2024	11:45	dirt	8/20/2024	10:17 AM	<125	stale

Odor Samples August 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	8/26/2024	10:06	dirt	8/27/2024	9:00 AM	1768	
	MS-02	8/26/2024	11:08	cinnamon	8/27/2024	11:10 AM	1051	trash
	MS-03	8/26/2024	9:10	dirt	8/27/2024	1:07 PM	884	vegetation, paint
	MS-04	8/26/2024	10:34	leachate	8/27/2024	11:46 AM	2228	plastic
	MS-05	8/26/2024	9:45	dirt	8/27/2024	12:35 PM	1487	PLASTIC
	Working/Active	8/26/2024	11:21	dirt, dirty smell	8/27/2024	12:19 PM	2103	medicinal
	Reaction	8/26/2024	10:48	leachate	8/27/2024	10:34 AM	5359	trash, rancid, putrid
Off-Site	MS-06	8/26/2024	9:01		8/27/2024	12:51 PM	1768	petroleum
	MS-07	8/26/2024	11:40	dirt, dirty smell	8/27/2024	9:45 AM	1403	rancid
	MS-08	8/26/2024	12:26	vegetation	8/27/2024	11:26 AM	1487	hay
	MS-09	8/26/2024	12:40	vegetation	8/27/2024	9:13 AM	2228	
	MS-10	8/26/2024	12:57	vegetation	8/27/2024	10:02 AM	1768	sulfuric, "landfill", unpleasant
	MS-11	8/26/2024	8:17	vegetation	8/27/2024	1:23 PM	1768	
	MS-12	8/26/2024	12:14	dirt	8/27/2024	10:18 AM	2228	unpleasant, chlorine
	SCV	8/26/2024	13:14	fast food, vegetation	8/27/2024	1:40 PM	1539	dirt
	Chiquito	8/26/2024	11:51	dirt, leachate; hints of working face smell	8/27/2024	9:30 AM	1768	bad vegetation
	S End Lincoln	8/26/2024	12:05	dirt, leachate	8/27/2024	12:02 PM	1250	cabbage

ATTACHMENT C

WEEKLY 24-HR SAMPLE LABORATORY ANALYTICAL DATA

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241852
REPORT DATE : 08/08/2024

On August 6, 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	241852-62331	510.1
MS-12	241852-62332	711.9
MS-08	241852-62333	718.3
MS-09	241852-62334	736.3
MS-10	241852-62335	672.6
MS-06	241852-62336	686.5
MS-11	241852-62337	694.9

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 : 241852
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/06/2024
DATE REPORTED : 08/08/2024
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	241852-62331				241852-62332				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
Can Dilution Factor	2.02				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Propene	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Chloromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Methanol	12.9		1	10.1	14.6		1	7.19	5.00
1,3-Butadiene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Bromomethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Chloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Dichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Ethanol	8.71		1	4.03	8.25		1	2.87	2.00
Vinyl Bromide	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Acetone	4.76		1	4.03	5.25		1	2.87	2.00
Trichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	4.03	<SRL	U	1	2.87	2.00
Acrylonitrile	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,1-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Allyl Chloride	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Carbon Disulfide	<SRL	U	1	4.03	<SRL	U	1	2.87	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,1-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Vinyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
2-Butanone (MEK)	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Hexane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Chloroform	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Ethyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Tetrahydrofuran	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Benzene	<SRL	U	1	1.01	<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 : 241852
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/06/2024
DATE REPORTED : 08/08/2024
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	241852-62331				241852-62332				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
Can Dilution Factor	2.02				1.44				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Cyclohexane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2-Dichloropropane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Bromodichloromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,4-Dioxane	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Trichloroethene (TCE)	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Heptane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Toluene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
2-Hexanone (MBK)	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Dibromochloromethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2-Dibromoethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Chlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Ethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	2.02	<SRL	U	1	1.44	1.00
Bromoform	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Styrene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
o-Xylene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
4-Ethyltoluene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.72	0.50
Hexachlorobutadiene	<SRL	U	1	1.01	<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 : 241852
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/06/2024
DATE REPORTED : 08/08/2024
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	241852-62333				241852-62334				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
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	0.69	0.50
Propene	<SRL	U	1	1.42	<SRL	U	1	1.39	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Methanol	<SRL	U	1	7.11	13.0		1	6.93	5.00
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Ethanol	<SRL	U	1	2.84	3.35		1	2.77	2.00
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Acetone	4.48		1	2.84	10.4		1	2.77	2.00
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.77	2.00
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.69	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	2.84	<SRL	U	1	2.77	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Vinyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.69	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	0.69	0.50
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50

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UNITS : PPB (v/v)

DATE RECEIVED : 08/06/2024
DATE REPORTED : 08/08/2024
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	241852-62333				241852-62334				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
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	0.69	0.50
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.69	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	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.69	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	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	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	0.69	0.50
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		92%				91%			70-130%

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

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DATE RECEIVED : 08/06/2024
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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	241852-62335				241852-62336				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
Can Dilution Factor	1.54				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Methanol	10.6		1	7.68	14.3		1	7.51	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Ethanol	3.63		1	3.07	5.94		1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Acetone	5.38		1	3.07	6.96		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	<SRL	U	1	3.01	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	3.07	<SRL	U	1	3.01	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50

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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	241852-62335				241852-62336				
Date Sampled	08/05/2024				08/05/2024				
Date Analyzed	08/07/2024				08/07/2024				
Can Dilution Factor	1.54				1.50				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.50	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.75	0.50
BFB-Surrogate Std. % Recovery		89%				91%			70-130%

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

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VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241852-62337				
Date Sampled	08/05/2024				
Date Analyzed	08/07/2024				
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	53.5		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	4.49		1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	8.95		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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VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	241852-62337				
Date Sampled	08/05/2024				
Date Analyzed	08/07/2024				
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	2.00		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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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/07/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source* [1]	*CCV* [2]	*% Recovery* [3]
4-BFB (surrogate standard)	9.40	9.67	103
Chlorodifluoromethane	10.20	8.77	86
Propene	10.70	8.77	82
Dichlorodifluoromethane	10.40	9.77	94
Dimethyl Ether	10.10	8.01	79
Chloromethane	10.50	8.40	80
Dichlorotetrafluoroethane	10.20	9.26	91
Vinyl Chloride	10.60	9.22	87
Acetaldehyde	20.90	21.13	101
Methanol	20.40	14.34	70
1,3-Butadiene	10.70	9.56	89
Bromomethane	10.40	8.92	86
Chloroethane	10.40	7.98	77
Dichlorofluoromethane	10.10	8.96	89
Ethanol	11.40	8.82	77
Vinyl Bromide	10.10	9.01	89
Acrolein	10.90	9.26	85
Acetone	10.60	8.53	80
Trichlorofluoromethane	10.50	9.30	89
2-Propanol (IPA)	11.00	8.79	80
Acrylonitrile	11.10	8.85	80
1,1-Dichloroethene	10.50	9.33	89
Methylene Chloride (DCM)	10.40	9.14	88
TertButanol (TBA)	11.20	9.19	82
Allyl Chloride	10.20	8.41	82
Carbon Disulfide	10.50	9.45	90
Trichlorotrifluoroethane	10.30	9.35	91
trans-1,2-Dichloroethene	10.80	9.77	90
1,1-Dichloroethane	10.70	9.33	87
Methyl Tert Butyl Ether (MTBE)	10.70	9.33	87
Vinyl Acetate	11.00	9.03	82
2-Butanone (MEK)	10.70	9.31	87
cis-1,2-Dichloroethene	10.70	9.82	92
Hexane	10.80	10.47	97
Chloroform	10.70	9.84	92
Ethyl Acetate	10.70	8.61	80
Tetrahydrofuran	10.40	8.85	85
1,2-Dichloroethane	10.60	9.41	89
1,1,1-Trichloroethane	10.50	9.58	91
Benzene	10.70	9.82	92
Carbon Tetrachloride	10.30	9.44	92
Cyclohexane	10.50	9.52	91

Analyte Compounds (Continued)	*Source* [1]	*CCV* [2]	*% Recovery* [3]
1,2-Dichloropropane	10.70	9.31	87
Bromodichloromethane	10.50	9.61	92
1,4-Dioxane	10.50	9.09	87
Trichloroethene (TCE)	10.50	9.57	91
2,2,4-Trimethylpentane	10.10	8.88	88
Methyl Methacrylate	11.00	9.89	90
Heptane	10.50	9.60	91
cis-1,3-Dichloropropene	10.50	9.30	89
4-Methyl-2-pentanone (MiBK)	10.50	8.70	83
trans-1,3-Dichloropropene	10.60	9.90	93
1,1,2-Trichloroethane	10.60	9.51	90
Toluene	10.80	9.82	91
2-Hexanone (MBK)	10.50	8.85	84
Dibromochloromethane	10.60	9.49	90
1,2-Dibromoethane	10.60	9.76	92
Tetrachloroethene (PCE)	10.50	9.70	92
Chlorobenzene	10.80	9.42	87
Ethylbenzene	10.60	9.71	92
m & p-Xylene	21.20	20.36	96
Bromoform	10.60	9.80	92
Styrene	10.60	9.63	91
1,1,2,2-Tetrachloroethane	10.60	9.00	85
o-Xylene	10.60	9.55	90
1,2,3-Trichloropropane	11.00	9.51	86
Isopropylbenzene (Cumene)	10.40	9.29	89
α-Pinene	10.80	8.39	78
2-Chlorotoluene	10.30	9.37	91
n-Propylbenzene	10.10	9.01	89
4-Ethyltoluene	10.40	9.12	88
1,3,5-Trimethylbenzene	10.30	9.17	89
β-Pinene	10.90	10.64	98
1,2,4-Trimethylbenzene	10.30	9.32	90
Benzyl Chloride (a-Chlorotoluene)	10.30	9.06	88
1,3-Dichlorobenzene	10.30	9.32	90
1,4-Dichlorobenzene	10.20	9.15	90
Sec-ButylBenzene	10.00	8.75	88
1,2-Dichlorobenzene	10.40	9.40	90
n-ButylBenzene	10.20	8.83	87
1,2-Dibromo-3-Chloropropane	10.10	8.53	84
1,2,4-Trichlorobenzene	10.50	9.44	90
Naphthalene	10.90	9.31	85
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 : 08/07/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.67	9.23	103	98	4.7
1,1-Dichloroethene	0.0	10.50	9.33	9.61	89	92	3.0
Methylene Chloride (DCM)	0.0	10.40	9.14	9.10	88	88	0.4
Benzene	0.0	10.70	9.82	9.63	92	90	2.0
Trichloroethene (TCE)	0.0	10.50	9.57	9.39	91	89	1.9
Toluene	0.0	10.80	9.82	9.69	91	90	1.3
Tetrachloroethene (PCE)	0.0	10.50	9.70	9.66	92	92	0.4
Chlorobenzene	0.0	10.80	9.42	9.13	87	85	3.1
Ethylbenzene	0.0	10.60	9.71	9.48	92	89	2.4
m & p-Xylene	0.0	21.20	20.36	19.95	96	94	2.0
o-Xylene	0.0	10.60	9.55	9.33	90	88	2.3

[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 : 08/07/2024 | **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 080724*	*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 080724*	*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	1.0
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 : 08/07/2024
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: 241852-62337

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.32	8.61	3.4
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	8.85	10.2	14.6
Methanol	53.5	54.0	1.0
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4.49	4.55	1.3
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	8.95	8.55	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	<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	2.00	2.15	7.0
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	<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 24,852

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	307-91 SULFUR	TO-15 FULL LIST	END PRESSURE	Remarks Canister/Controller
MS-07	8-5/6-24	0700-0700	62331	6L SUMMA CANISTER	X	X		-11HG 00297/03304
MS-12	8-5/6-24	0711-0711	62332	6L SUMMA CANISTER	X	X		-2HG 00930/19506
MS-08	8-5/6-24	0720-0720	62333	6L SUMMA CANISTER	X	X		-2HG 00966/17582
MS-09	8-5/6-24	0732-0732	62334	6L SUMMA CANISTER	X	X		-2HG 00244/00710
MS-10	8-5/6-24	0744-0744	62335	6L SUMMA CANISTER	X	X		-2HG 00203/FC76
MS-06	8-5/6-24	0803-0803	62336	6L SUMMA CANISTER	X	X		0HG 00825/19511
MS-11	8-5/6-24	0823-0823	62337	6L SUMMA CANISTER	X	X		-3HG 00206/19510

	Date	Time		Date	Time
Relinquished by: (Signature) ED. GUZMAN	8/6/24	0929	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	8/6/24	0930
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 Entechs

CHAIN OF CUSTODY RECORD 24152

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: 307-91 SULFUR

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 SULFUR	Remarks
MS-07	8-5/6-24	0700-0700	62338	10 LITER BAG	X	
MS-12	8-5/6-24	0711-0711	62339	10 LITER BAG	X	
MS-08	8-5/6-24	0720-0720	62340	10 LITER BAG	X	
MS-09	8-5/6-24	0732-0732	62341	10 LITER BAG	X	
MS-10	8-5/6-24	0744-0744	62342	10 LITER BAG	X	
MS-06	8-5/6-24	0803-0803	62343	10 LITER BAG	X	
MS-11	8-5/6-24	0823-0823	62344	10 LITER BAG	X	

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	8/6/24	0929	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	8/6/24	0930
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. : 241852
REPORT DATE : 08/08/2024

On August 6th 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	241852-62331	510.1	MS-07	241852-62338
MS-12	241852-62332	711.9	MS-12	241852-62339
MS-08	241852-62333	718.3	MS-08	241852-62340
MS-09	241852-62334	736.3	MS-09	241852-62341
MS-10	241852-62335	672.6	MS-10	241852-62342
MS-06	241852-62336	686.5	MS-06	241852-62343
MS-11	241852-62337	694.9	MS-11	241852-62344

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. : 241852
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05-06/2024
RECEIVING DATE : 08/06/2024
ANALYSIS DATE : 08/06/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241852-62331	241852-62332	241852-62333	241852-62334
Canister Dil. Fac.	2.02	1.44	1.42	1.39
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.007	< 0.007	< 0.007
COS / SO2	< 0.010	< 0.007	< 0.007	< 0.007
Methyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
Ethyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
Dimethyl Sulfide	< 0.010	< 0.007	< 0.007	< 0.007
Carbon Disulfide	< 0.010	< 0.007	< 0.007	< 0.007
Isopropyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
tert-Butyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
n-Propyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
Methylethylsulfide	< 0.010	< 0.007	< 0.007	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.007	< 0.007	< 0.007
iso-Butyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
Diethyl Sulfide	< 0.010	< 0.007	< 0.007	< 0.007
n-Butyl Mercaptan	< 0.010	< 0.007	< 0.007	< 0.007
Dimethyl Disulfide	< 0.010	< 0.007	< 0.007	< 0.007
2-Methylthiophene	< 0.010	< 0.007	< 0.007	< 0.007
3-Methylthiophene	< 0.010	< 0.007	< 0.007	< 0.007
Tetrahydrothiophene	< 0.010	< 0.007	< 0.007	< 0.007
Bromothiophene	< 0.010	< 0.007	< 0.007	< 0.007
Thiophenol	< 0.010	< 0.007	< 0.007	< 0.007
Diethyl Disulfide	< 0.010	< 0.007	< 0.007	< 0.007
Total Unidentified Sulfur	< 0.010	< 0.007	< 0.007	< 0.007
Total Reduced Sulfurs	< 0.010	< 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.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241852
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05-06/2024
RECEIVING DATE : 08/06/2024
ANALYSIS DATE : 08/06/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241852-62335	241852-62336	241852-62337
Canister Dil. Fac.	1.54	1.50	1.46
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008	< 0.007
COS / SO2	< 0.008	< 0.008	< 0.007
Methyl Mercaptan	< 0.008	< 0.008	< 0.007
Ethyl Mercaptan	< 0.008	< 0.008	< 0.007
Dimethyl Sulfide	< 0.008	< 0.008	< 0.007
Carbon Disulfide	< 0.008	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.008	< 0.007
Methylethylsulfide	< 0.008	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.008	< 0.007
Diethyl Sulfide	< 0.008	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.008	< 0.007
Dimethyl Disulfide	< 0.008	< 0.008	< 0.007
2-Methylthiophene	< 0.008	< 0.008	< 0.007
3-Methylthiophene	< 0.008	< 0.008	< 0.007
Tetrahydrothiophene	< 0.008	< 0.008	< 0.007
Bromothiophene	< 0.008	< 0.008	< 0.007
Thiophenol	< 0.008	< 0.008	< 0.007
Diethyl Disulfide	< 0.008	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.008	< 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.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241852
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05-06/2024
RECEIVING DATE : 08/06/2024
ANALYSIS DATE : 08/07/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241852-62338	241852-62339	241852-62340	241852-62341
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

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241852
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/05-06/2024
RECEIVING DATE : 08/06/2024
ANALYSIS DATE : 08/07/2024
REPORT DATE : 08/08/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241852-62342	241852-62343	241852-62344
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: 8/6/2024
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	10629	0.493	96.4	3.7
Duplicate	11398	0.528	103.4	3.3
Triplicate	11078	0.514	100.5	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8935	0.482	96.0	3.9
Duplicate	9523	0.514	102.3	2.4
Triplicate	9449	0.510	101.5	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12506	0.519	104.4	0.0
Duplicate	12523	0.520	104.6	0.1
Triplicate	12493	0.518	104.3	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241848-62320**

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 **241848-62320 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.231	97.1	90.4	7.1
MeSH	<PQL	0.251	0.252	0.254	100.4	101.2	0.8
DMS	<PQL	0.249	0.273	0.256	109.9	103.0	6.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.501	98.0
MeSH	0.502	0.496	98.8
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: 8/7/2024
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	10627	0.493	96.4	2.1
Duplicate	10702	0.496	97.1	1.4
Triplicate	11223	0.520	101.8	3.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9001	0.486	96.7	3.0
Duplicate	9412	0.508	101.1	1.4
Triplicate	9423	0.508	101.3	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12313	0.511	102.8	0.6
Duplicate	12427	0.516	103.8	0.4
Triplicate	12403	0.515	103.6	0.2

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	0.238	0.249	93.2	97.5	4.5
MeSH	<PQL	0.251	0.244	0.260	97.2	103.6	6.3
DMS	<PQL	0.249	0.267	0.272	107.4	109.5	1.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.515	100.8
MeSH	0.502	0.508	101.2
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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CHAIN OF CUSTODY RECORD 24,852

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON CANISTER 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	307.91 SUITE	TO-15 FULL LIST	4D Rpt	Remarks Canister/Controller
MS-07	8-5/6-24	0700	0700	62331	6L SUMMA CANISTER	X	X	-11HC 00297/03304
MS-12	8-5/6-24	0711	0711	62332	6L SUMMA CANISTER	X	X	-2HC 00230/19506
MS-08	8-5/6-24	0720	0720	62333	6L SUMMA CANISTER	X	X	-2HC 00266/17582
MS-09	8-5/6-24	0732	0732	62334	6L SUMMA CANISTER	X	X	-2HC 00244/00710
MS-10	8-5/6-24	0744	0744	62335	6L SUMMA CANISTER	X	X	-2HC 00231/FC76
MS-06	8-5/6-24	0803	0803	62336	6L SUMMA CANISTER	X	X	8HC 00225/19511
MS-11	8-5/6-24	0823	0823	62337	6L SUMMA CANISTER	X	X	-3HC 00267/19520

Relinquished by: (Signature) Ed	**Date** 8/6/24	**Time** 0729	**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** 8/6/24	**Time** 0930
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 control Entechs

CHAIN OF CUSTODY RECORD 24852

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: 307-91 SULFUR

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91 SULFUR					Remarks
MS-07	8-5/6-24	0700 - 0700	62338	10 LITER BAG	X					
MS-12	8-5/6-24	0711 - 0711	62339	10 LITER BAG	X					
MS-08	8-5/6-24	0720 - 0720	62340	10 LITER BAG	X					
MS-09	8-5/6-24	0732 - 0732	62341	10 LITER BAG	X					
MS-10	8-5/6-24	0744 - 0744	62342	10 LITER BAG	X					
MS-00	8-5/6-24	0903 - 0903	62343	10 LITER BAG	X					
MS-11	8-5/6-24	0923 - 0923	62344	10 LITER BAG	X					

	Date	Time		Date	Time
Relinquished by: (Signature) ED GUZMAN	8/6/24	0929	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	8/6/24	0930
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.	:	241895
REPORT DATE	:	08/15/2024

On August 13, 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	241895-62562	685.1
MS-12	241895-62563	452.4
MS-08	241895-62564	377.9
MS-09	241895-62565	657.5
MS-10	241895-62566	715.1
MS-06	241895-62567	727.6
MS-11	241895-62568	629.6

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 : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62562				241895-62563				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
Can Dilution Factor	1.50				2.31				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Methanol	9.71		1	7.48	13.1		1	11.5	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Ethanol	3.93		1	2.99	5.45		1	4.62	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Acetone	5.04		1	2.99	11.4		1	4.62	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	4.62	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	4.62	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62562				241895-62563				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
Can Dilution Factor	1.50				2.31				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Toluene	<SRL	U	1	0.75	1.68		1	1.15	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	2.31	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	1.15	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62564				241895-62565				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
Can Dilution Factor	2.72				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	13.6	11.9		1	7.93	5.00
1,3-Butadiene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Ethanol	<SRL	U	1	5.44	3.93		1	3.17	2.00
Vinyl Bromide	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Acetone	<SRL	U	1	5.44	5.55		1	3.17	2.00
Trichlorofluoromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	5.44	<SRL	U	1	3.17	2.00
Acrylonitrile	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	5.44	<SRL	U	1	3.17	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62564				241895-62565				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
Can Dilution Factor	2.72				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	2.72	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	1.36	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		95%				95%			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 : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62566				241895-62567				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
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	1.49		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	8.74		1	7.15	11.0		1	7.06	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	3.00		1	2.86	3.91		1	2.82	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
Acetone	5.41		1	2.86	5.78		1	2.82	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.82	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	2.86	<SRL	U	1	2.82	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 : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62566				241895-62567				
Date Sampled	08/12/2024				08/12/2024				
Date Analyzed	08/14/2024				08/14/2024				
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		94%				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 : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62568				
Date Sampled	08/12/2024				
Date Analyzed	08/14/2024				
Can Dilution Factor	1.62				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.81	0.50
Propene	<SRL	U	1	1.62	1.00
Dichlorodifluoromethane	<SRL	U	1	0.81	0.50
Chloromethane	<SRL	U	1	0.81	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.81	0.50
Vinyl Chloride	<SRL	U	1	0.81	0.50
Methanol	47.0		1	8.12	5.00
1,3-Butadiene	<SRL	U	1	0.81	0.50
Bromomethane	<SRL	U	1	0.81	0.50
Chloroethane	<SRL	U	1	0.81	0.50
Dichlorofluoromethane	<SRL	U	1	0.81	0.50
Ethanol	3.61		1	3.25	2.00
Vinyl Bromide	<SRL	U	1	0.81	0.50
Acetone	9.16		1	3.25	2.00
Trichlorofluoromethane	<SRL	U	1	0.81	0.50
2-Propanol (IPA)	<SRL	U	1	3.25	2.00
Acrylonitrile	<SRL	U	1	0.81	0.50
1,1-Dichloroethene	<SRL	U	1	0.81	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.62	1.00
Allyl Chloride	<SRL	U	1	1.62	1.00
Carbon Disulfide	<SRL	U	1	3.25	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.81	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.81	0.50
1,1-Dichloroethane	<SRL	U	1	0.81	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.81	0.50
Vinyl Acetate	<SRL	U	1	0.81	0.50
2-Butanone (MEK)	<SRL	U	1	1.62	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.81	0.50
Hexane	<SRL	U	1	0.81	0.50
Chloroform	<SRL	U	1	0.81	0.50
Ethyl Acetate	<SRL	U	1	0.81	0.50
Tetrahydrofuran	<SRL	U	1	0.81	0.50
1,2-Dichloroethane	<SRL	U	1	0.81	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.81	0.50
Benzene	<SRL	U	1	0.81	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241895
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/13/2024
DATE REPORTED : 08/15/2024
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	241895-62568				
Date Sampled	08/12/2024				
Date Analyzed	08/14/2024				
Can Dilution Factor	1.62				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.81	0.50
Cyclohexane	<SRL	U	1	0.81	0.50
1,2-Dichloropropane	<SRL	U	1	0.81	0.50
Bromodichloromethane	<SRL	U	1	0.81	0.50
1,4-Dioxane	<SRL	U	1	1.62	1.00
Trichloroethene (TCE)	<SRL	U	1	0.81	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.81	0.50
Heptane	<SRL	U	1	0.81	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.81	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.81	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.81	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.81	0.50
Toluene	1.02		1	0.81	0.50
2-Hexanone (MBK)	<SRL	U	1	1.62	1.00
Dibromochloromethane	<SRL	U	1	0.81	0.50
1,2-Dibromoethane	<SRL	U	1	0.81	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.81	0.50
Chlorobenzene	<SRL	U	1	0.81	0.50
Ethylbenzene	<SRL	U	1	0.81	0.50
m & p-Xylene	<SRL	U	1	1.62	1.00
Bromoform	<SRL	U	1	0.81	0.50
Styrene	<SRL	U	1	0.81	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.81	0.50
o-Xylene	<SRL	U	1	0.81	0.50
4-Ethyltoluene	<SRL	U	1	0.81	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.81	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.81	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.81	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.81	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.81	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.81	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.81	0.50
Hexachlorobutadiene	<SRL	U	1	0.81	0.50
BFB-Surrogate Std. % Recovery		94%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/14/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.58	102
Chlorodifluoromethane	10.20	8.88	87
Propene	10.70	8.88	83
Dichlorodifluoromethane	10.40	9.95	96
Dimethyl Ether	10.10	7.89	78
Chloromethane	10.50	8.23	78
Dichlorotetrafluoroethane	10.20	9.15	90
Vinyl Chloride	10.60	9.14	86
Acetaldehyde	20.90	20.42	98
Methanol	20.40	15.03	74
1,3-Butadiene	10.70	9.79	91
Bromomethane	10.40	9.18	88
Chloroethane	10.40	8.43	81
Dichlorofluoromethane	10.10	9.14	90
Ethanol	11.40	9.16	80
Vinyl Bromide	10.10	8.98	89
Acrolein	10.90	9.42	86
Acetone	10.60	8.80	83
Trichlorofluoromethane	10.50	9.68	92
2-Propanol (IPA)	11.00	9.04	82
Acrylonitrile	11.10	8.69	78
1,1-Dichloroethene	10.50	9.60	91
Methylene Chloride (DCM)	10.40	9.14	88
TertButanol (TBA)	11.20	9.40	84
Allyl Chloride	10.20	8.64	85
Carbon Disulfide	10.50	9.54	91
Trichlorotrifluoroethane	10.30	9.46	92
trans-1,2-Dichloroethene	10.80	9.59	89
1,1-Dichloroethane	10.70	9.43	88
Methyl Tert Butyl Ether (MTBE)	10.70	9.34	87
Vinyl Acetate	11.00	9.33	85
2-Butanone (MEK)	10.70	9.42	88
cis-1,2-Dichloroethene	10.70	9.69	91
Hexane	10.80	10.72	99
Chloroform	10.70	9.98	93
Ethyl Acetate	10.70	9.01	84
Tetrahydrofuran	10.40	8.93	86
1,2-Dichloroethane	10.60	9.67	91
1,1,1-Trichloroethane	10.50	9.83	94
Benzene	10.70	9.59	90
Carbon Tetrachloride	10.30	9.44	92
Cyclohexane	10.50	9.24	88

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.10	85
Bromodichloromethane	10.50	9.41	90
1,4-Dioxane	10.50	8.68	83
Trichloroethene (TCE)	10.50	9.43	90
2,2,4-Trimethylpentane	10.10	8.84	88
Methyl Methacrylate	11.00	9.36	85
Heptane	10.50	9.27	88
cis-1,3-Dichloropropene	10.50	9.13	87
4-Methyl-2-pentanone (MiBK)	10.50	8.52	81
trans-1,3-Dichloropropene	10.60	9.78	92
1,1,2-Trichloroethane	10.60	9.47	89
Toluene	10.80	9.53	88
2-Hexanone (MBK)	10.50	8.72	83
Dibromochloromethane	10.60	9.30	88
1,2-Dibromoethane	10.60	9.59	90
Tetrachloroethene (PCE)	10.50	9.47	90
Chlorobenzene	10.80	9.12	84
Ethylbenzene	10.60	9.34	88
m & p-Xylene	21.20	19.79	93
Bromoform	10.60	9.44	89
Styrene	10.60	9.25	87
1,1,2,2-Tetrachloroethane	10.60	8.77	83
o-Xylene	10.60	9.18	87
1,2,3-Trichloropropane	11.00	9.58	87
Isopropylbenzene (Cumene)	10.40	8.87	85
α-Pinene	10.80	7.84	73
2-Chlorotoluene	10.30	9.03	88
n-Propylbenzene	10.10	8.77	87
4-Ethyltoluene	10.40	8.88	85
1,3,5-Trimethylbenzene	10.30	8.93	87
β-Pinene	10.90	9.11	84
1,2,4-Trimethylbenzene	10.30	9.06	88
Benzyl Chloride (a-Chlorotoluene)	10.30	8.67	84
1,3-Dichlorobenzene	10.30	9.07	88
1,4-Dichlorobenzene	10.20	9.15	90
Sec-ButylBenzene	10.00	8.55	86
1,2-Dichlorobenzene	10.40	9.25	89
n-ButylBenzene	10.20	8.67	85
1,2-Dibromo-3-Chloropropane	10.10	8.50	84
1,2,4-Trichlorobenzene	10.50	9.67	92
Naphthalene	10.90	9.14	84
Hexachlorobutadiene	10.80	8.84	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%.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/14/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.58	9.68	102	103	1.0
1,1-Dichloroethene	0.0	10.50	9.60	9.14	91	87	4.9
Methylene Chloride (DCM)	0.0	10.40	9.14	8.77	88	84	4.1
Benzene	0.0	10.70	9.59	11.43	90	107	17.5
Trichloroethene (TCE)	0.0	10.50	9.43	9.41	90	90	0.2
Toluene	0.0	10.80	9.53	9.85	88	91	3.3
Tetrachloroethene (PCE)	0.0	10.50	9.47	9.67	90	92	2.1
Chlorobenzene	0.0	10.80	9.12	9.15	84	85	0.3
Ethylbenzene	0.0	10.60	9.34	9.45	88	89	1.2
m & p-Xylene	0.0	21.20	19.79	20.10	93	95	1.6
o-Xylene	0.0	10.60	9.18	9.44	87	89	2.8

[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 : 08/14/2024
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 081424*	*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 081424*	*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	1.0
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 : 08/14/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x15.44

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241892-62530

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.19	9.30	1.2
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	981	950	3.1
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	<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 241895

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	40-91 SUMMA	TO-15 FULL LIST	EN'S PRESSURE	Remarks Canister/Controller
MS-07	8-12/13-24	0709-0709	62562	6L SUMMA CANISTER	X	X		-6HG 001929/000708
MS-12	8-12/13-24	0723-0723	62563	6L SUMMA CANISTER	X	X		-12HG 002032/19593
MS-08	8-12/13-24	0732-0732	62564	6L SUMMA CANISTER	X	X		-17HG 002028/19512
MS-09	8-12/13-24	0743-0743	62565	6L SUMMA CANISTER	X	X		-5HG 001827/19596
MS-10	8-12/13-24	0755-0755	62566	6L SUMMA CANISTER	X	X		-4HG 001973/17588
MS-06	8-12/13-24	0814-0814	62567	6L SUMMA CANISTER	X	X		0HG 002127/17589
MS-11	8-12/13-24	0845-0845	62568	6L SUMMA CANISTER	X	X		0HG 002071/19507

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/13/24	0953			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/14/24	0955
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 Coolant Ctchs

CHAIN OF CUSTODY RECORD 241895

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	Ed	7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.9/SUFER					Remarks
MS-07	8-12/13-24	0709-0709	62569	10 LITER BAG	X					
MS-12	8-12/13-24	0723-0723	62570	10 LITER BAG	X					
MS-08	8-12/13-24	0732-0732	62571	10 LITER BAG	X					
MS-09	8-12/13-24	0743-0743	62572	10 LITER BAG	X					
MS-10	8-12/13-24	0755-0755	62573	10 LITER BAG	X					
MS-06	8-12/13-24	0814-0814	62574	10 LITER BAG	X					
MS-11	8-12/13-24	0845-0845	62575	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	8/13/24	0953			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/13/24	0955
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. : 241895
REPORT DATE : 08/16/2024

On August 13th 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	241895-62562	685.1	MS-07	241895-62569
MS-12	241895-62563	452.4	MS-12	241895-62570
MS-08	241895-62564	377.9	MS-08	241895-62571
MS-09	241895-62565	657.5	MS-09	241895-62572
MS-10	241895-62566	715.1	MS-10	241895-62573
MS-06	241895-62567	727.6	MS-06	241895-62574
MS-11	241895-62568	629.6	MS-11	241895-62575

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. : 241895
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12-13/2024
RECEIVING DATE : 08/13/2024
ANALYSIS DATE : 08/14/2024
REPORT DATE : 08/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241895-62562	241895-62563	241895-62564	241895-62565
Canister Dil. Fac.	1.50	2.31	2.72	1.59
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.007	< 0.012	< 0.014	< 0.008
COS / SO2	< 0.007	< 0.012	< 0.014	< 0.008
Methyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
Ethyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
Dimethyl Sulfide	< 0.007	< 0.012	< 0.014	< 0.008
Carbon Disulfide	< 0.007	< 0.012	< 0.014	< 0.008
Isopropyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
tert-Butyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
n-Propyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
Methylethylsulfide	< 0.007	< 0.012	< 0.014	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.007	< 0.012	< 0.014	< 0.008
iso-Butyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
Diethyl Sulfide	< 0.007	< 0.012	< 0.014	< 0.008
n-Butyl Mercaptan	< 0.007	< 0.012	< 0.014	< 0.008
Dimethyl Disulfide	< 0.007	< 0.012	< 0.014	< 0.008
2-Methylthiophene	< 0.007	< 0.012	< 0.014	< 0.008
3-Methylthiophene	< 0.007	< 0.012	< 0.014	< 0.008
Tetrahydrothiophene	< 0.007	< 0.012	< 0.014	< 0.008
Bromothiophene	< 0.007	< 0.012	< 0.014	< 0.008
Thiophenol	< 0.007	< 0.012	< 0.014	< 0.008
Diethyl Disulfide	< 0.007	< 0.012	< 0.014	< 0.008
Total Unidentified Sulfur	< 0.007	< 0.012	< 0.014	< 0.008
Total Reduced Sulfurs	< 0.007	< 0.012	< 0.014	< 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. : 241895
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12-13/2024
RECEIVING DATE : 08/13/2024
ANALYSIS DATE : 08/14/2024
REPORT DATE : 08/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241895-62566	241895-62567	241895-62568
Canister Dil. Fac.	1.43	1.41	1.62
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. : 241895
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12-13/2024
RECEIVING DATE : 08/13/2024
ANALYSIS DATE : 08/13/2024
REPORT DATE : 08/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241895-62569	241895-62570	241895-62571	241895-62572
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	< 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	**0.007**	< 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	**0.014**	< 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. : 241895
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/12-13/2024
RECEIVING DATE : 08/13/2024
ANALYSIS DATE : 08/13/2024
REPORT DATE : 08/16/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241895-62573	241895-62574	241895-62575
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/13/2024
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	11186	0.519	101.5	2.5
Duplicate	10573	0.490	95.9	3.2
Triplicate	10995	0.510	99.8	0.7

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8881	0.479	95.4	0.8
Duplicate	8996	0.485	96.7	0.5
Triplicate	8973	0.484	96.4	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12344	0.512	103.1	1.9
Duplicate	11764	0.488	98.2	2.9
Triplicate	12221	0.507	102.0	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241892-62547**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	0.012	0.012	0.012	0.0
MeSH	0.007	0.007	0.007	0.0
DMS	0.036	0.036	0.036	0.0

Matrix Spike & Duplicate **241892-62547 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	0.006	0.256	0.236	0.238	90.2	91.0	0.8
MeSH	0.004	0.251	0.230	0.231	90.4	90.8	0.4
DMS	0.018	0.249	0.257	0.261	96.4	97.9	1.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.495	96.9
MeSH	0.502	0.506	100.8
DMS	0.497	0.535	107.6

** 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: 8/14/2024
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	10601	0.492	96.2	2.1
Duplicate	10972	0.509	99.6	1.3
Triplicate	10927	0.507	99.1	0.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8986	0.485	96.6	2.2
Duplicate	9396	0.507	101.0	2.3
Triplicate	9180	0.495	98.7	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12575	0.522	105.0	0.5
Duplicate	12480	0.518	104.2	0.3
Triplicate	12499	0.519	104.4	0.2

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	0.248	0.252	97.1	98.6	1.6
MeSH	<PQL	0.251	0.254	0.260	101.2	103.6	2.3
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	0.531	103.9
MeSH	0.502	0.530	105.6
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

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

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
SSE Engineers/ Chiquita Canyon Landfill Air Odor Samples	Valencia, CA.
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
ED. Quinn	Ed

No. Of Containers: 7

ANALYSES: 307-91/18C

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample		Remarks
MS-07	8/12/13-24	0709-0709	62569	10 LITER BAG	X	
MS-12	8/12/13-24	0723-0723	62570	10 LITER BAG	X	
MS-08	8/12/13-24	0732-0732	62571	10 LITER BAG	X	
MS-09	8/12/13-24	0743-0743	62572	10 LITER BAG	X	
MS-10	8/12/13-24	0755-0755	62573	10 LITER BAG	X	
MS-06	8/12/13-24	0814-0814	62574	10 LITER BAG	X	
MS-11	8/12/13-24	0845-0845	62575	10 LITER BAG	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	8/13/24	0953			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/13/24	0955
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

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	40 CFR 91 SUMMA	TO-15 FULL LIST	40 CFR 91 VOC		Remarks Canister/Controller
MS-07	8/12/13	0709-0709	62562	6L Summa Canister	X	X			6HC 01929/000708
MS-12	8/12/13	0723-0723	62563	6L Summa Canister	X	X			12HC 02032/19593
MS-08	8/12/13	0732-0732	62564	6L Summa Canister	X	X			13HC 02028/19512
MS-09	8/12/13	0743-0743	62565	6L Summa Canister	X	X			9HC 01827/19596
MS-10	8/12/13	0755-0755	62566	6L Summa Canister	X	X			4HC 01973/17588
MS-06	8/12/13	0814-0814	62567	6L Summa Canister	X	X			5HC 02127/17589
MS-11	8/12/13	0845-0845	62568	6L Summa Canister	X	X			8HC 02031/19507

Relinquished by: (Signature) Ed Guzman	**Date** 8/13/13	**Time** 0953	**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** 8/15/13	**Time** 0955
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 Catches

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 241970
REPORT DATE : 08/23/2024

On August 20, 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	241970-62937	677.8
MS-12	241970-62938	725.8
MS-08	241970-62939	645.5
MS-09	241970-62940	691.4
MS-10	241970-62941	737.7
MS-06	241970-62942	663.8
MS-11	241970-62943	660.8

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 : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62937				241970-62938				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.51				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	16.5		1	1.51	<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	12.0		1	7.57	14.5		1	7.07	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	5.44		1	3.03	8.66		1	2.83	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
Acetone	4.07		1	3.03	5.80		1	2.83	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	2.83	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	1.51	<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	3.03	<SRL	U	1	2.83	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	1.51	<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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62937				241970-62938				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.51				1.41				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
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	1.51	<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	1.51	<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	1.51	<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		98%				99%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62939				241970-62940				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.59				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Propene	587		20	31.8	93.9		1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methanol	9.79		1	7.95	11.8		1	7.39	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.18	4.52		1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Acetone	3.81		1	3.18	5.40		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.18	<SRL	U	1	2.96	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	3.18	<SRL	U	1	2.96	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62939				241970-62940				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.59				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.59	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		97%				99%			70-130%

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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62941				241970-62942				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.37				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	3.15		1	1.37	<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	<SRL	U	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	13.6		1	6.87	13.7		1	7.71	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	11.7		1	2.75	4.81		1	3.08	2.00
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
Acetone	6.69		1	2.75	7.76		1	3.08	2.00
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	2.75	<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	1.37	<SRL	U	1	1.54	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	2.75	<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	1.37	<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 : 241970
MATRIX : AIR
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DATE RECEIVED : 08/20/2024
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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	241970-62941				241970-62942				
Date Sampled	08/19/2024				08/19/2024				
Date Analyzed	08/22/2024				08/22/2024				
Can Dilution Factor	1.37				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	1.37	<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	1.37	<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	1.37	<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		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 : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62943				
Date Sampled	08/19/2024				
Date Analyzed	08/22/2024				
Can Dilution Factor	1.55				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	0.50
Propene	6.56		1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.78	0.50
Methanol	28.0		1	7.75	5.00
1,3-Butadiene	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.10	2.00
Vinyl Bromide	<SRL	U	1	0.78	0.50
Acetone	5.21		1	3.10	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.10	2.00
Acrylonitrile	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.10	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.78	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 241970
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/20/2024
DATE REPORTED : 08/23/2024
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	241970-62943				
Date Sampled	08/19/2024				
Date Analyzed	08/22/2024				
Can Dilution Factor	1.55				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		97%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/22/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.50	101
Chlorodifluoromethane	10.20	8.96	88
Propene	10.70	9.97	93
Dichlorodifluoromethane	10.40	9.72	93
Dimethyl Ether	10.10	8.54	85
Chloromethane	10.50	8.95	85
Dichlorotetrafluoroethane	10.20	8.66	85
Vinyl Chloride	10.60	8.79	83
Acetaldehyde	20.90	21.60	103
Methanol	20.40	16.41	80
1,3-Butadiene	10.70	9.86	92
Bromomethane	10.40	8.85	85
Chloroethane	10.40	8.44	81
Dichlorofluoromethane	10.10	8.85	88
Ethanol	11.40	9.59	84
Vinyl Bromide	10.10	9.00	89
Acrolein	10.90	9.14	84
Acetone	10.60	8.71	82
Trichlorofluoromethane	10.50	9.82	94
2-Propanol (IPA)	11.00	9.32	85
Acrylonitrile	11.10	9.07	82
1,1-Dichloroethene	10.50	9.12	87
Methylene Chloride (DCM)	10.40	8.77	84
TertButanol (TBA)	11.20	9.49	85
Allyl Chloride	10.20	8.94	88
Carbon Disulfide	10.50	9.41	90
Trichlorotrifluoroethane	10.30	9.00	87
trans-1,2-Dichloroethene	10.80	9.72	90
1,1-Dichloroethane	10.70	9.28	87
Methyl Tert Butyl Ether (MTBE)	10.70	9.64	90
Vinyl Acetate	11.00	9.92	90
2-Butanone (MEK)	10.70	9.37	88
cis-1,2-Dichloroethene	10.70	9.65	90
Hexane	10.80	9.91	92
Chloroform	10.70	9.74	91
Ethyl Acetate	10.70	9.54	89
Tetrahydrofuran	10.40	8.81	85
1,2-Dichloroethane	10.60	9.80	92
1,1,1-Trichloroethane	10.50	10.07	96
Benzene	10.70	9.57	89
Carbon Tetrachloride	10.30	10.09	98
Cyclohexane	10.50	9.18	87

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.31	87
Bromodichloromethane	10.50	9.72	93
1,4-Dioxane	10.50	8.69	83
Trichloroethene (TCE)	10.50	9.66	92
2,2,4-Trimethylpentane	10.10	9.15	91
Methyl Methacrylate	11.00	9.69	88
Heptane	10.50	9.05	86
cis-1,3-Dichloropropene	10.50	9.42	90
4-Methyl-2-pentanone (MiBK)	10.50	8.96	85
trans-1,3-Dichloropropene	10.60	10.09	95
1,1,2-Trichloroethane	10.60	9.27	87
Toluene	10.80	9.71	90
2-Hexanone (MBK)	10.50	9.09	87
Dibromochloromethane	10.60	9.94	94
1,2-Dibromoethane	10.60	9.77	92
Tetrachloroethene (PCE)	10.50	9.60	91
Chlorobenzene	10.80	9.22	85
Ethylbenzene	10.60	9.43	89
m & p-Xylene	21.20	20.22	95
Bromoform	10.60	9.87	93
Styrene	10.60	9.48	89
1,1,2,2-Tetrachloroethane	10.60	8.62	81
o-Xylene	10.60	9.30	88
1,2,3-Trichloropropane	11.00	9.76	89
Isopropylbenzene (Cumene)	10.40	9.07	87
α-Pinene	10.80	10.08	93
2-Chlorotoluene	10.30	9.17	89
n-Propylbenzene	10.10	8.87	88
4-Ethyltoluene	10.40	9.27	89
1,3,5-Trimethylbenzene	10.30	8.97	87
β-Pinene HR	10.90	14.41	132
1,2,4-Trimethylbenzene	10.30	8.97	87
Benzyl Chloride (a-Chlorotoluene)	10.30	9.76	95
1,3-Dichlorobenzene	10.30	9.03	88
1,4-Dichlorobenzene	10.20	9.11	89
Sec-ButylBenzene	10.00	8.37	84
1,2-Dichlorobenzene	10.40	9.11	88
n-ButylBenzene	10.20	8.85	87
1,2-Dibromo-3-Chloropropane	10.10	8.65	86
1,2,4-Trichlorobenzene	10.50	9.48	90
Naphthalene	10.90	8.59	79
Hexachlorobutadiene	10.80	8.83	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%.

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 : 08/22/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.50	9.53	101	101	0.3
1,1-Dichloroethene	0.0	10.50	9.12	9.40	87	90	3.0
Methylene Chloride (DCM)	0.0	10.40	8.77	8.93	84	86	1.8
Benzene	0.0	10.70	9.57	9.53	89	89	0.4
Trichloroethene (TCE)	0.0	10.50	9.66	9.48	92	90	1.9
Toluene	0.0	10.80	9.71	9.64	90	89	0.7
Tetrachloroethene (PCE)	0.0	10.50	9.60	9.73	91	93	1.3
Chlorobenzene	0.0	10.80	9.22	9.45	85	88	2.5
Ethylbenzene	0.0	10.60	9.43	9.66	89	91	2.4
m & p-Xylene	0.0	21.20	20.22	20.68	95	98	2.2
o-Xylene	0.0	10.60	9.30	9.52	88	90	2.3

[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 : 08/22/2024
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 082224*	*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 082224*	*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	1.0
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 : 08/22/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : Air | **ANALYST : DL**
UNITS : PPB (v/v) | **DILUTION FACTOR[1] : x1**

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 241982-62988

Analyte Compounds		*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)		10.1	9.91	2.3
Chlorodifluoromethane	E	118	111	6.2
Propene		104	98.2	5.6
Dichlorodifluoromethane		37.7	36.9	2.2
Dimethyl Ether		<SRL	<SRL	*NA*
Chloromethane		0.89	0.89	0.0
Dichlorotetrafluoroethane		17.4	16.3	6.4
Vinyl Chloride		23.3	21.2	9.3
Acetaldehyde		<SRL	<SRL	*NA*
Methanol		19.8	20.0	1.1
1,3-Butadiene		<SRL	<SRL	*NA*
Bromomethane		<SRL	<SRL	*NA*
Chloroethane		0.69	0.72	4.3
Dichlorofluoromethane		1.90	1.88	1.1
Ethanol		7.59	7.18	5.6
Vinyl Bromide		<SRL	<SRL	*NA*
Acrolein		<SRL	<SRL	*NA*
Acetone		6.46	6.28	2.8
Trichlorofluoromethane		1.33	1.36	2.2
2-Propanol (IPA)	J	1.22	1.24	1.6
Acrylonitrile		<SRL	<SRL	*NA*
1,1-Dichloroethene		<SRL	<SRL	*NA*
Methylene Chloride (DCM)		1.87	1.84	1.6
TertButanol (TBA)		1.10	1.05	4.7
Allyl Chloride		<SRL	<SRL	*NA*
Carbon Disulfide	J	1.94	1.93	0.5
Trichlorotrifluoroethane		<SRL	<SRL	*NA*
trans-1,2-Dichloroethene		1.03	1.08	4.7
1,1-Dichloroethane		<SRL	<SRL	*NA*
Methyl Tert Butyl Ether (MTBE)		0.83	0.80	3.7
Vinyl Acetate		<SRL	<SRL	*NA*
2-Butanone (MEK)		<SRL	<SRL	*NA*
cis-1,2-Dichloroethene		5.25	5.28	0.6
Hexane		21.4	20.8	3.1
Chloroform		16.9	16.7	1.3
Ethyl Acetate		<SRL	<SRL	*NA*
Tetrahydrofuran		2.41	2.40	0.4
1,2-Dichloroethane		<SRL	<SRL	*NA*
1,1,1-Trichloroethane		<SRL	<SRL	*NA*
Benzene		18.4	17.9	2.8
Carbon Tetrachloride		<SRL	<SRL	*NA*
Cyclohexane		11.4	10.8	5.2

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	0.53	0.52	1.9
Bromodichloromethane	<SRL	<SRL	*NA*
1,4-Dioxane	<SRL	<SRL	*NA*
Trichloroethene (TCE)	2.84	2.82	0.7
2,2,4-Trimethylpentane	12.1	11.7	3.3
Methyl Methacrylate	<SRL	<SRL	*NA*
Heptane	41.9	41.2	1.7
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	5.25	5.15	1.9
2-Hexanone (MBK)	<SRL	<SRL	*NA*
Dibromochloromethane	<SRL	<SRL	*NA*
1,2-Dibromoethane	<SRL	<SRL	*NA*
Tetrachloroethene (PCE)	5.63	5.68	0.9
Chlorobenzene	<SRL	<SRL	*NA*
Ethylbenzene	60.6	57.7	4.9
m & p-Xylene	195	202	3.6
Bromoform	<SRL	<SRL	*NA*
Styrene	<SRL	<SRL	*NA*
1,1,2,2-Tetrachloroethane	<SRL	<SRL	*NA*
o-Xylene	26.1	24.8	5.3
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	6.69	6.69	0.0
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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

CHAIN OF CUSTODY RECORD 241970

Client/Project Name	Project Location
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL/ AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GRUNN	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91/SULFUR	TO-15 FULL LIST	FIELD PRESSURE	Remarks Canister/controller
MS-07	8-19/20-24	0700-0713	62937	6L SUMMA CANISTER	X	X	-26HG	001959/19504
MS-12	8-19/20-24	0714-0725	62938	6L SUMMA CANISTER	X	X	-29HG	001960/19506
MS-08	8-19/20-24	0722-0736	62939	6L SUMMA CANISTER	X	X	-5HG	001943/FC76
MS-09	8-19/20-24	0735-0748	62940	6L SUMMA CANISTER	X	X	-5HG	002002/19510
MS-10	8-19/20-24	0745-0903	62941	6L SUMMA CANISTER	X	X	-2HG	002060/17582
MS-06	8-19/20-24	0803-0825	62942	6L SUMMA CANISTER	X	X	-1HG	002086/19505
MS-11	8-19/20-24	0835-0846	62943	6L SUMMA CANISTER	X	X	-1HG	002000/19508

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	8/20/24	1000	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	8/20/24	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

AACVENTURA

D/O - 7x clean silos + 2x coated @tech 5

CHAIN OF CUSTODY RECORD 241970

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	8-19/20-24	0700-0713	62944	10 LITER BAG	X					
MS-12	8-19/20-24	0714-0725	62945	10 LITER BAG	X					
MS-08	8-19/20-24	0722-0736	62946	10 LITER BAG	X					
MS-09	8-19/20-24	0735-0748	62947	10 LITER BAG	X					
MS-10	8-19/20-24	0745-0803	62948	10 LITER BAG	X					
MS-06	8-19/20-24	0803-0825	62949	10 LITER BAG	X					
MS-11	8-19/20-24	0835-0846	62950	10 LITER BAG	X					

Relinquished by: (Signature) ED	**Date** 8/20/24	**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** 8/20/24	**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

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO.	: 241970
REPORT DATE	: 08/22/2024

On August 20th 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	241970-62937	677.8	MS-07	241970-62944
MS-12	241970-62938	725.8	MS-12	241970-62945
MS-08	241970-62939	645.5	MS-08	241970-62946
MS-09	241970-62940	691.4	MS-09	241970-62947
MS-10	241970-62941	737.7	MS-10	241970-62948
MS-06	241970-62942	663.8	MS-06	241970-62949
MS-11	241970-62943	660.8	MS-11	241970-62950

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. : 241970
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19-20/2024
RECEIVING DATE : 08/20/2024
ANALYSIS DATE : 08/21/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241970-62937	241970-62938	241970-62939	241970-62940
Canister Dil. Fac.	1.51	1.41	1.59	1.48
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.007	< 0.008	< 0.007
COS / SO2	< 0.008	< 0.007	< 0.008	< 0.007
Methyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
Ethyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
Dimethyl Sulfide	< 0.008	< 0.007	< 0.008	< 0.007
Carbon Disulfide	< 0.008	< 0.007	< 0.008	< 0.007
Isopropyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
tert-Butyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
n-Propyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
Methylethylsulfide	< 0.008	< 0.007	< 0.008	< 0.007
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.007	< 0.008	< 0.007
iso-Butyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
Diethyl Sulfide	< 0.008	< 0.007	< 0.008	< 0.007
n-Butyl Mercaptan	< 0.008	< 0.007	< 0.008	< 0.007
Dimethyl Disulfide	< 0.008	< 0.007	< 0.008	< 0.007
2-Methylthiophene	< 0.008	< 0.007	< 0.008	< 0.007
3-Methylthiophene	< 0.008	< 0.007	< 0.008	< 0.007
Tetrahydrothiophene	< 0.008	< 0.007	< 0.008	< 0.007
Bromothiophene	< 0.008	< 0.007	< 0.008	< 0.007
Thiophenol	< 0.008	< 0.007	< 0.008	< 0.007
Diethyl Disulfide	< 0.008	< 0.007	< 0.008	< 0.007
Total Unidentified Sulfur	< 0.008	< 0.007	< 0.008	< 0.007
Total Reduced Sulfurs	< 0.008	< 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. : 241970
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19-20/2024
RECEIVING DATE : 08/20/2024
ANALYSIS DATE : 08/21/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241970-62941	241970-62942	241970-62943
Canister Dil. Fac.	1.37	1.54	1.55
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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 241970
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19-20/2024
RECEIVING DATE : 08/20/2024
ANALYSIS DATE : 08/20/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	241970-62944	241970-62945	241970-62946	241970-62947
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	**0.006**	< 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	**0.006**	< 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. : 241970
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/19-20/2024
RECEIVING DATE : 08/20/2024
ANALYSIS DATE : 08/20-21/2024
REPORT DATE : 08/22/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	241970-62948	241970-62949	241970-62950
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/20/2024
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	11062	0.513	100.4	2.6
Duplicate	10708	0.497	97.2	0.7
Triplicate	10568	0.490	95.9	2.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9359	0.505	100.6	1.9
Duplicate	9111	0.492	97.9	0.8
Triplicate	9088	0.490	97.7	1.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12552	0.521	104.8	1.0
Duplicate	12428	0.516	103.8	0.0
Triplicate	12290	0.510	102.6	1.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241964-62907**

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 **241964-62907 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.230	0.232	90.0	90.8	0.9
MeSH	<PQL	0.251	0.245	0.251	97.6	100.0	2.4
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	0.472	92.4
MeSH	0.502	0.479	95.4
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/21/2024
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	10724	0.497	97.3	1.0
Duplicate	10903	0.506	98.9	0.6
Triplicate	10872	0.504	98.6	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9222	0.497	99.1	0.5
Duplicate	9312	0.502	100.1	0.5
Triplicate	9269	0.500	99.6	0.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12283	0.510	102.6	0.8
Duplicate	12417	0.515	103.7	0.3
Triplicate	12457	0.517	104.0	0.6

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 241970-62950**

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 **241970-62950 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.248	0.232	97.1	90.8	6.7
MeSH	<PQL	0.251	0.263	0.251	104.8	100.0	4.7
DMS	<PQL	0.249	0.273	0.268	109.9	107.8	1.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.509	99.6
MeSH	0.502	0.504	100.4
DMS	0.497	0.536	107.8

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 241920

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 Silicone	TO-15 Full List				Remarks (canister/controller)
MS-07	8-19/20-21	0700-0713	62937	6L Summa canister	X	X			24hr	01959/19504
MS-12	8-19/20-21	0714-0725	62938	6L Summa canister	X	X			24hr	01960/19506
MS-08	8-19/20-21	0722-0736	62939	6L Summa canister	X	X			5hr	01943/FC76
MS-09	8-19/20-21	0735-0748	62940	6L Summa canister	X	X			5hr	02002/19510
MS-10	8-19/20-21	0745-0803	62941	6L Summa canister	X	X			24hr	02060/17582
MS-06	8-19/20-21	0803-0815	62942	6L Summa canister	X	X			1hr	02086/19505
MS-11	8-19/20-21	0835-0846	62943	6L Summa canister	X	X			1hr	02000/19508

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	8/20/21	1000			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/20/21	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/O - 7x clean silos + 2x coated canisters

CHAIN OF CUSTODY RECORD 241920

Client/Project Name	Project Location	ANALYSES
SCS ENGINEERS/ CHIQUITA CANYON LANDFILL AIR/ODOR Sampling	VALENCIA, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. GUERRERO	**(Signature)**	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307-91-5VOCs					Remarks
MS-07	8-19/20-24	0700-0713	62944	10 LITER BAG	X					
MS-12	8-19/20-24	0717-0725	62945	10 LITER BAG	X					
MS-08	8-19/20-24	0732-0736	62946	10 LITER BAG	X					
MS-09	8-19/20-24	0735-0748	62947	10 LITER BAG	X					
MS-10	8-19/20-24	0745-0803	62948	10 LITER BAG	X					
MS-06	8-19/20-24	0803-0815	62949	10 LITER BAG	X					
MS-11	8-19/20-24	0835-0846	62950	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/20/24	1000			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/20/24	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

AACURENTURA

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling
AAC PROJECT NO. : 242019
REPORT DATE : 08/29/2024

On August 27, 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	242019-63243	643.9
MS-12	242019-63244	579.2
MS-08	242019-63245	598.0
MS-09	242019-63246	443.8
MS-10	242019-63247	671.2
MS-06	242019-63248	626.2
MS-11	242019-63249	394.8

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 : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63243				242019-63244				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.58				1.77				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Propene	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Methanol	13.5		1	7.91	18.9		1	8.84	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Ethanol	6.70		1	3.16	7.11		1	3.54	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Acetone	5.08		1	3.16	6.90		1	3.54	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
2-Propanol (IPA)	<SRL	U	1	3.16	<SRL	U	1	3.54	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Allyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Carbon Disulfide	<SRL	U	1	3.16	<SRL	U	1	3.54	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63243				242019-63244				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.58				1.77				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,4-Dioxane	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
m & p-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.77	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.88	0.50
BFB-Surrogate Std, % Recovery		95%				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 : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63245				242019-63246				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.70				2.35				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Propene	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Dichlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Chloromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Vinyl Chloride	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Methanol	14.1		1	8.50	17.3		1	11.7	5.00
1,3-Butadiene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Bromomethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Chloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Dichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Ethanol	4.73		1	3.40	<SRL	U	1	4.69	2.00
Vinyl Bromide	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Acetone	5.58		1	3.40	10.3		1	4.69	2.00
Trichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
2-Propanol (IPA)	<SRL	U	1	3.40	<SRL	U	1	4.69	2.00
Acrylonitrile	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,1-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Allyl Chloride	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Carbon Disulfide	<SRL	U	1	3.40	<SRL	U	1	4.69	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,1-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Vinyl Acetate	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
2-Butanone (MEK)	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Hexane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Chloroform	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Ethyl Acetate	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Tetrahydrofuran	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Benzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63245				242019-63246				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.70				2.35				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Cyclohexane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2-Dichloropropane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Bromodichloromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,4-Dioxane	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Trichloroethene (TCE)	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Heptane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Toluene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
2-Hexanone (MBK)	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Dibromochloromethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2-Dibromoethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Chlorobenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Ethylbenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
m & p-Xylene	<SRL	U	1	1.70	<SRL	U	1	2.35	1.00
Bromoform	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Styrene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
o-Xylene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
4-Ethyltoluene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
Hexachlorobutadiene	<SRL	U	1	0.85	<SRL	U	1	1.17	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63247				242019-63248				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.52				1.64				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Chloromethane	<SRL	U	1	0.76	0.82		1	0.82	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Methanol	14.5		1	7.58	16.3		1	8.18	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Ethanol	4.96		1	3.03	6.44		1	3.27	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Acetone	6.02		1	3.03	8.16		1	3.27	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.27	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.27	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63247				242019-63248				
Date Sampled	08/26/2024				08/26/2024				
Date Analyzed	08/28/2024				08/28/2024				
Can Dilution Factor	1.52				1.64				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.64	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.82	0.50
BFB-Surrogate Std. % Recovery		96%				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 : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63249				
Date Sampled	08/26/2024				
Date Analyzed	08/28/2024				
Can Dilution Factor	2.62				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.31	0.50
Propene	<SRL	U	1	2.62	1.00
Dichlorodifluoromethane	<SRL	U	1	1.31	0.50
Chloromethane	<SRL	U	1	1.31	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.31	0.50
Vinyl Chloride	<SRL	U	1	1.31	0.50
Methanol	72.0		1	13.1	5.00
1,3-Butadiene	<SRL	U	1	1.31	0.50
Bromomethane	<SRL	U	1	1.31	0.50
Chloroethane	<SRL	U	1	1.31	0.50
Dichlorofluoromethane	<SRL	U	1	1.31	0.50
Ethanol	<SRL	U	1	5.24	2.00
Vinyl Bromide	<SRL	U	1	1.31	0.50
Acetone	11.3		1	5.24	2.00
Trichlorofluoromethane	<SRL	U	1	1.31	0.50
2-Propanol (IPA)	<SRL	U	1	5.24	2.00
Acrylonitrile	<SRL	U	1	1.31	0.50
1,1-Dichloroethene	<SRL	U	1	1.31	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.62	1.00
Allyl Chloride	<SRL	U	1	2.62	1.00
Carbon Disulfide	<SRL	U	1	5.24	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.31	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.31	0.50
1,1-Dichloroethane	<SRL	U	1	1.31	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.31	0.50
Vinyl Acetate	<SRL	U	1	1.31	0.50
2-Butanone (MEK)	<SRL	U	1	2.62	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.31	0.50
Hexane	<SRL	U	1	1.31	0.50
Chloroform	<SRL	U	1	1.31	0.50
Ethyl Acetate	<SRL	U	1	1.31	0.50
Tetrahydrofuran	<SRL	U	1	1.31	0.50
1,2-Dichloroethane	<SRL	U	1	1.31	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.31	0.50
Benzene	<SRL	U	1	1.31	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242019
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/27/2024
DATE REPORTED : 08/29/2024
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	242019-63249				
Date Sampled	08/26/2024				
Date Analyzed	08/28/2024				
Can Dilution Factor	2.62				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.31	0.50
Cyclohexane	<SRL	U	1	1.31	0.50
1,2-Dichloropropane	<SRL	U	1	1.31	0.50
Bromodichloromethane	<SRL	U	1	1.31	0.50
1,4-Dioxane	<SRL	U	1	2.62	1.00
Trichloroethene (TCE)	<SRL	U	1	1.31	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.31	0.50
Heptane	<SRL	U	1	1.31	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.31	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.31	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.31	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.31	0.50
Toluene	<SRL	U	1	1.31	0.50
2-Hexanone (MBK)	<SRL	U	1	2.62	1.00
Dibromochloromethane	<SRL	U	1	1.31	0.50
1,2-Dibromoethane	<SRL	U	1	1.31	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.31	0.50
Chlorobenzene	<SRL	U	1	1.31	0.50
Ethylbenzene	<SRL	U	1	1.31	0.50
m & p-Xylene	<SRL	U	1	2.62	1.00
Bromoform	<SRL	U	1	1.31	0.50
Styrene	<SRL	U	1	1.31	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.31	0.50
o-Xylene	<SRL	U	1	1.31	0.50
4-Ethyltoluene	<SRL	U	1	1.31	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.31	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.31	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.31	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.31	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.31	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.31	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.31	0.50
Hexachlorobutadiene	<SRL	U	1	1.31	0.50
BFB-Surrogate Std. % Recovery		93%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/28/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/29/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.51	101
Chlorodifluoromethane	10.20	10.64	104
Propene	10.70	12.04	113
Dichlorodifluoromethane	10.40	9.99	96
Dimethyl Ether	10.10	10.28	102
Chloromethane	10.50	10.56	101
Dichlorotetrafluoroethane	10.20	8.68	85
Vinyl Chloride	10.60	8.68	82
Acetaldehyde	20.90	26.60	127
Methanol	20.40	17.10	84
1,3-Butadiene	10.70	11.50	107
Bromomethane	10.40	8.74	84
Chloroethane	10.40	7.98	77
Dichlorofluoromethane	10.10	8.69	86
Ethanol	11.40	11.37	100
Vinyl Bromide	10.10	8.90	88
Acrolein	10.90	9.50	87
Acetone	10.60	9.96	94
Trichlorofluoromethane	10.50	10.84	103
2-Propanol (IPA)	11.00	10.84	99
Acrylonitrile	11.10	9.17	83
1,1-Dichloroethene	10.50	8.73	83
Methylene Chloride (DCM)	10.40	7.40	71
TertButanol (TBA)	11.20	10.35	92
Allyl Chloride	10.20	9.65	95
Carbon Disulfide	10.50	8.32	79
Trichlorotrifluoroethane	10.30	8.83	86
trans-1,2-Dichloroethene	10.80	8.80	81
1,1-Dichloroethane	10.70	9.09	85
Methyl Tert Butyl Ether (MTBE)	10.70	8.19	77
Vinyl Acetate	11.00	10.74	98
2-Butanone (MEK)	10.70	7.70	72
cis-1,2-Dichloroethene	10.70	8.78	82
Hexane	10.80	9.03	84
Chloroform	10.70	9.46	88
Ethyl Acetate	10.70	11.09	104
Tetrahydrofuran	10.40	7.56	73
1,2-Dichloroethane	10.60	10.19	96
1,1,1-Trichloroethane	10.50	10.21	97
Benzene	10.70	8.62	81
Carbon Tetrachloride	10.30	10.72	104
Cyclohexane	10.50	8.06	77

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	8.68	81
Bromodichloromethane	10.50	9.48	90
1,4-Dioxane	10.50	8.43	80
Trichloroethene (TCE)	10.50	9.55	91
2,2,4-Trimethylpentane	10.10	9.66	96
Methyl Methacrylate	11.00	8.03	73
Heptane	10.50	7.90	75
cis-1,3-Dichloropropene	10.50	8.14	78
4-Methyl-2-pentanone (MiBK)	10.50	9.47	90
trans-1,3-Dichloropropene	10.60	9.16	86
1,1,2-Trichloroethane	10.60	8.83	83
Toluene	10.80	8.86	82
2-Hexanone (MBK)	10.50	9.63	92
Dibromochloromethane	10.60	10.29	97
1,2-Dibromoethane	10.60	9.23	87
Tetrachloroethene (PCE)	10.50	9.39	89
Chlorobenzene	10.80	9.12	84
Ethylbenzene	10.60	8.93	84
m & p-Xylene	21.20	20.28	96
Bromoform	10.60	10.09	95
Styrene	10.60	8.90	84
1,1,2,2-Tetrachloroethane	10.60	8.17	77
o-Xylene	10.60	8.90	84
1,2,3-Trichloropropane	11.00	9.91	90
Isopropylbenzene (Cumene)	10.40	8.85	85
α-Pinene LR	10.80	7.43	69
2-Chlorotoluene	10.30	9.50	92
n-Propylbenzene	10.10	8.92	88
4-Ethyltoluene	10.40	9.49	91
1,3,5-Trimethylbenzene	10.30	9.44	92
β-Pinene	10.90	9.02	83
1,2,4-Trimethylbenzene	10.30	9.13	89
Benzyl Chloride (a-Chlorotoluene)	10.30	9.34	91
1,3-Dichlorobenzene	10.30	9.52	92
1,4-Dichlorobenzene	10.20	9.50	93
Sec-ButylBenzene	10.00	8.25	83
1,2-Dichlorobenzene	10.40	9.33	90
n-ButylBenzene	10.20	8.92	87
1,2-Dibromo-3-Chloropropane	10.10	8.86	88
1,2,4-Trichlorobenzene	10.50	9.96	95
Naphthalene	10.90	8.74	80
Hexachlorobutadiene	10.80	8.45	78

[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 : 08/28/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.51	9.44	101	100	0.7
1,1-Dichloroethene	0.0	10.50	8.73	9.21	83	88	5.4
Methylene Chloride (DCM)	0.0	10.40	7.40	7.91	71	76	6.7
Benzene	0.0	10.70	8.62	8.66	81	81	0.5
Trichloroethene (TCE)	0.0	10.50	9.55	9.73	91	93	1.9
Toluene	0.0	10.80	8.86	9.06	82	84	2.2
Tetrachloroethene (PCE)	0.0	10.50	9.39	9.67	89	92	2.9
Chlorobenzene	0.0	10.80	9.12	9.17	84	85	0.5
Ethylbenzene	0.0	10.60	8.93	8.93	84	84	0.0
m & p-Xylene	0.0	21.20	20.28	20.07	96	95	1.0
o-Xylene	0.0	10.60	8.90	8.85	84	83	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 : 08/28/2024 | **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 082824*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	96%	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 082824*	*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	1.0
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 : 08/28/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x14.71

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242013-63197

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.84	8.91	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	479	473	1.3
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	<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 242019

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/odor sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roberts

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
MS-07	8-26/27-24	0715 - 0715	63243	6L Summa Canister	X	X			-6 Hg	002113 / 02323
MS-12	8-26/27-24	0727 - 0727	63244	6L Summa Canister	X	X			-7 Hg	002059 / 000885
MS-08	8-26/27-24	0736 - 0737	63245	6L Summa Canister	X	X			-6 Hg	001952 / 17590
MS-09	8-26/27-24	0748 - 0748	63246	6L Summa Canister	X	X			-14 Hg	002011 / 03527
MS-10	8-26/27-24	0800 - 0800	63247	6L Summa Canister	X	X			-6 Hg	001980 / 000710
MS-06	8-26/27-24	0819 - 0826	63248	6L Summa Canister	X	X			-3 Hg	001986 / 19511
MS-11	8-26/27-24	0844 - 0850	63249	6L Summa Canister	X	X			-13 Hg	001987 / 17587

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	8-27-24	1006			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/27/24	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

7L air + 7L coated Encons

CHAIN OF CUSTODY RECORD 24201 9

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) Charles Roberts	**(Signature)** C Noll	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	8-26/27-24	0715 - 0715	63250	10L Bag	X					
MS-12	8-26/27-24	0727 - 0727	63251	10L Bag	X					
MS-08	8-26/27-24	0736 - 0737	63252	10L Bag	X					
MS-09	8-26/27-24	0748 - 0748	63253	10L Bag	X					
MS-10	8-26/27-24	0800 - 0800	63254	10L Bag	X					
MS-06	8-26/27-24	0819 - 0826	63255	10L Bag	X					
MS-11	8-26/27-24	0844 - 0850	63256	10L Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Noll	8-27-24	1006			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				8/27/24	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. : 242019
REPORT DATE : 08/29/2024

On August 27th 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	242019-63243	643.9	MS-07	242019-63250
MS-12	242019-63244	579.2	MS-12	242019-63251
MS-08	242019-63245	598.0	MS-08	242019-63252
MS-09	242019-63246	443.8	MS-09	242019-63253
MS-10	242019-63247	671.2	MS-10	242019-63254
MS-06	242019-63248	626.2	MS-06	242019-63255
MS-11	242019-63249	394.8	MS-11	242019-63256

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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242019
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26-27/2024
RECEIVING DATE : 08/27/2024
ANALYSIS DATE : 08/28/2024
REPORT DATE : 08/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242019-63243	242019-63244	242019-63245	242019-63246
Canister Dil. Fac.	1.58	1.77	1.70	2.35
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.009	< 0.009	< 0.012
COS / SO2	< 0.008	< 0.009	< 0.009	< 0.012
Methyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
Ethyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
Dimethyl Sulfide	< 0.008	< 0.009	< 0.009	< 0.012
Carbon Disulfide	< 0.008	< 0.009	< 0.009	< 0.012
Isopropyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
tert-Butyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
n-Propyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
Methylethylsulfide	< 0.008	< 0.009	< 0.009	< 0.012
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.009	< 0.009	< 0.012
iso-Butyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
Diethyl Sulfide	< 0.008	< 0.009	< 0.009	< 0.012
n-Butyl Mercaptan	< 0.008	< 0.009	< 0.009	< 0.012
Dimethyl Disulfide	< 0.008	< 0.009	< 0.009	< 0.012
2-Methylthiophene	< 0.008	< 0.009	< 0.009	< 0.012
3-Methylthiophene	< 0.008	< 0.009	< 0.009	< 0.012
Tetrahydrothiophene	< 0.008	< 0.009	< 0.009	< 0.012
Bromothiophene	< 0.008	< 0.009	< 0.009	< 0.012
Thiophenol	< 0.008	< 0.009	< 0.009	< 0.012
Diethyl Disulfide	< 0.008	< 0.009	< 0.009	< 0.012
Total Unidentified Sulfur	< 0.008	< 0.009	< 0.009	< 0.012
Total Reduced Sulfurs	< 0.008	< 0.009	< 0.009	< 0.012

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. : 242019
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26-27/2024
RECEIVING DATE : 08/27/2024
ANALYSIS DATE : 08/28/2024
REPORT DATE : 08/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242019-63247	242019-63248	242019-63249
Canister Dil. Fac.	1.52	1.64	2.62
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008	< 0.013
COS / SO2	< 0.008	< 0.008	< 0.013
Methyl Mercaptan	< 0.008	< 0.008	< 0.013
Ethyl Mercaptan	< 0.008	< 0.008	< 0.013
Dimethyl Sulfide	< 0.008	< 0.008	< 0.013
Carbon Disulfide	< 0.008	< 0.008	< 0.013
Isopropyl Mercaptan	< 0.008	< 0.008	< 0.013
tert-Butyl Mercaptan	< 0.008	< 0.008	< 0.013
n-Propyl Mercaptan	< 0.008	< 0.008	< 0.013
Methylethylsulfide	< 0.008	< 0.008	< 0.013
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008	< 0.013
iso-Butyl Mercaptan	< 0.008	< 0.008	< 0.013
Diethyl Sulfide	< 0.008	< 0.008	< 0.013
n-Butyl Mercaptan	< 0.008	< 0.008	< 0.013
Dimethyl Disulfide	< 0.008	< 0.008	< 0.013
2-Methylthiophene	< 0.008	< 0.008	< 0.013
3-Methylthiophene	< 0.008	< 0.008	< 0.013
Tetrahydrothiophene	< 0.008	< 0.008	< 0.013
Bromothiophene	< 0.008	< 0.008	< 0.013
Thiophenol	< 0.008	< 0.008	< 0.013
Diethyl Disulfide	< 0.008	< 0.008	< 0.013
Total Unidentified Sulfur	< 0.008	< 0.008	< 0.013
Total Reduced Sulfurs	< 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. : 242019
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26-27/2024
RECEIVING DATE : 08/27/2024
ANALYSIS DATE : 08/27/2024
REPORT DATE : 08/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242019-63250	242019-63251	242019-63252	242019-63253
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242019
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 08/26-27/2024
RECEIVING DATE : 08/27/2024
ANALYSIS DATE : 08/27/2024
REPORT DATE : 08/29/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242019-63254	242019-63255	242019-63256
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 Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 8/28/2024
Analyst: NR/DM
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	11197	0.519	101.6	1.2
Duplicate	10945	0.508	99.3	1.1
Triplicate	11066	0.513	100.4	0.0

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9432	0.509	101.4	0.7
Duplicate	9288	0.501	99.8	0.8
Triplicate	9370	0.505	100.7	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12549	0.521	104.8	1.0
Duplicate	12218	0.507	102.0	1.7
Triplicate	12503	0.519	104.4	0.6

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 **240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.253	0.251	99.0	98.2	0.8
MeSH	<PQL	0.251	0.264	0.254	105.2	101.2	3.9
DMS	<PQL	0.249	0.271	0.257	109.1	103.4	5.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.485	94.9
MeSH	0.502	0.480	95.6
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

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

CHAIN OF CUSTODY RECORD 242019

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**
Charles Roberts	C Roberts / 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30.41 Sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
MS-07	8-26/27-24	0715 - 0715	63243	6L Summa Canister	X	X			-6 Hg	002113 / 02323
MS-12	8-26/27-24	0727 - 0727	63244	6L Summa Canister	X	X			-7 Hg	002059 / 000885
MS-08	8-26/27-24	0736 - 0737	63245	6L Summa Canister	X	X			-6 Hg	001952 / 17590
MS-09	8-26/27-24	0748 - 0748	63246	6L Summa Canister	X	X			-11 Hg	002011 / 03527
MS-10	8-26/27-24	0800 - 0800	63247	6L Summa Canister	X	X			-6 Hg	001980 / 000710
MS-06	8-26/27-24	0819 - 0826	63248	6L Summa Canister	X	X			-3 Hg	001986 / 19511
MS-11	8-26/27-24	0814 - 0850	63249	6L Summa Canister	X	X			-13 Hg	001987 / 17587

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	8-27-24	1006			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	8/27/24	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

7L or +7L coated Evacuated

CHAIN OF CUSTODY RECORD 24129 T7

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
Charles Roberts	C Roll	7

ANALYSES: 3C, 4A Sulfur

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C, 4A Sulfur					Remarks
MS-07	8-26/27-24	0715 - 0715	63250	10 L Bag	X					
MS-12	8-26/27-24	0727 - 0727	63251	10 L Bag	X					
MS-08	8-26/27-24	0736 - 0737	63252	10 L Bag	X					
MS-09	8-26/27-24	0748 - 0748	63253	10 L Bag	X					
MS-10	8-26/27-24	0800 - 0800	63254	10 L Bag	X					
MS-06	8-26/27-24	0819 - 0826	63255	10 L Bag	X					
MS-11	8-26/27-24	0844 - 0850	63256	10 L Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	8-27-24	1006			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
			#	8/27/24	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

October 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, September 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 September 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 September 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

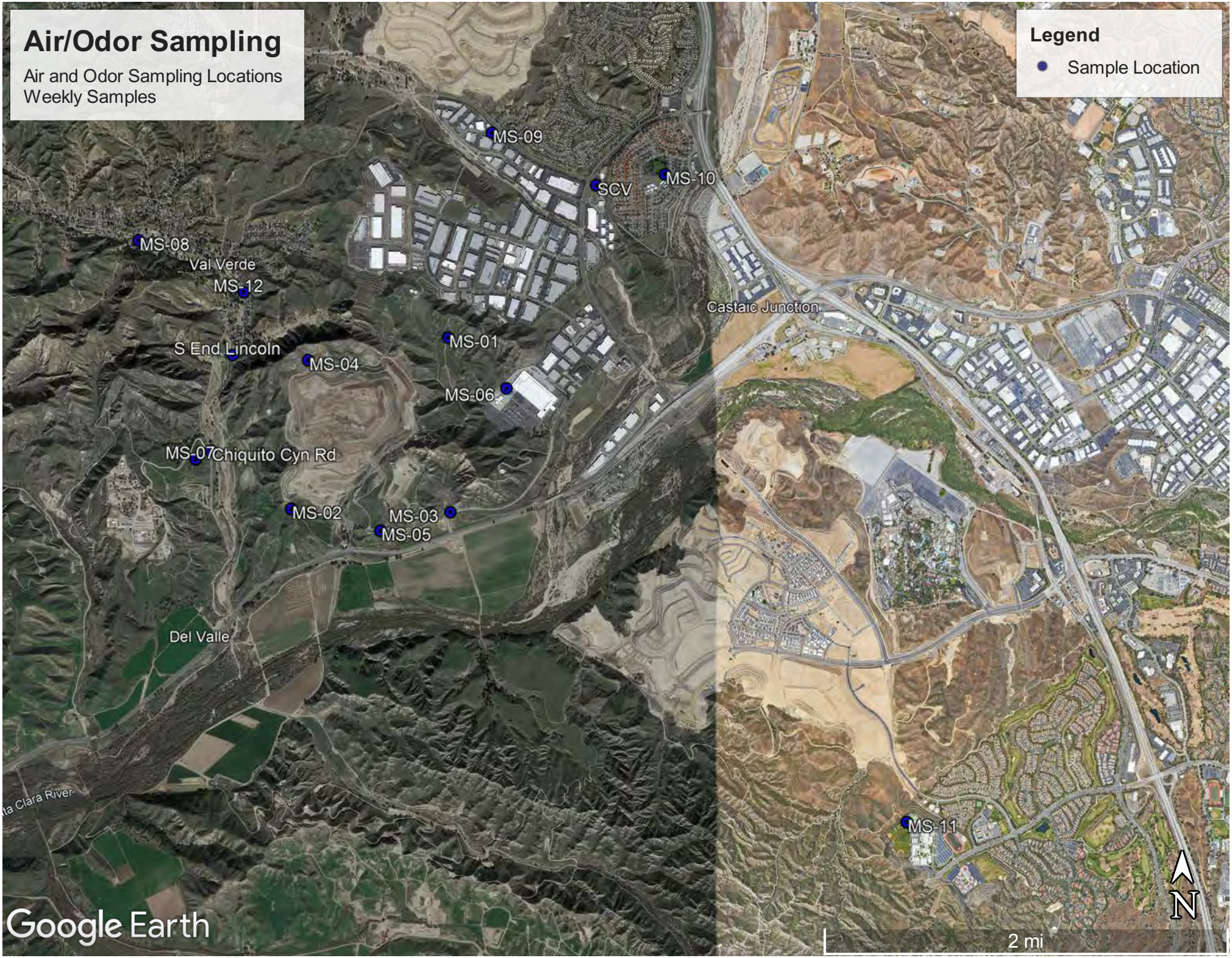
attachments

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.	: 242086
REPORT DATE	: 09/06/2024

On September 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	242086-63569	689.0	S End Lincoln	242086-63578	685.0
MS-07	242086-63570	678.5	MS-01	242086-63579	671.5
MS-08	242086-63571	676.5	MS-02	242086-63580	673.5
MS-09	242086-63572	683.0	MS-03	242086-63581	680.5
MS-10	242086-63573	690.5	MS-04	242086-63582	664.0
MS-11	242086-63574	682.0	MS-05	242086-63583	663.5
MS-12	242086-63575	657.5	Working Face	242086-63584	666.5
SCV	242086-63576	681.5	Reaction	242086-63585	672.0
Chiquito Cyn Rd	242086-63577	688.0	--	--	--

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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63569				242086-63570				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.49				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	1.49	<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	10.4		1	7.44	10.9		1	7.53	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	3.17		1	2.98	3.09		1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	3.84		1	2.98	3.84		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	3.01	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	1.49	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.01	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	1.49	<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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63569				242086-63570				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.49				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	1.49	<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	1.49	<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	1.49	<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		93%				90%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63571				242086-63572				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				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	1.52	<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	<SRL	U	1	7.58	9.45		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	<SRL	U	1	3.03	<SRL	U	1	2.99	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Acetone	3.32		1	3.03	3.97		1	2.99	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<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	1.52	<SRL	U	1	1.49	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.03	<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	1.52	<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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63571				242086-63572				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				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	1.52	<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	1.52	<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	1.52	<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		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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63573				242086-63574				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.49				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methanol	9.29		1	7.43	11.2		1	7.62	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	2.97	<SRL	U	1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Acetone	3.14		1	2.97	3.17		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.97	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	2.97	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63573				242086-63574				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.49				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		93%				101%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63575				242086-63576				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.56				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Methanol	<SRL	U	1	7.82	9.74		1	7.58	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	3.13	<SRL	U	1	3.03	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Acetone	3.21		1	3.13	17.1		1	3.03	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.13	<SRL	U	1	3.03	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.13	<SRL	U	1	3.03	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63575				242086-63576				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.56				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.56	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.78	5.64		1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63577				242086-63578				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.48				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	1.48	<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	<SRL	U	1	7.40	8.88		1	7.41	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	<SRL	U	1	2.96	<SRL	U	1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	2.96	5.62		1	2.96	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<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	1.48	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.96	<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	1.48	<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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63577				242086-63578				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.48				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	1.48	<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	1.48	<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	1.48	<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		91%				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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63579				242086-63580				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.76	0.76		1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methanol	10.6		1	7.61	9.11		1	7.59	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethanol	4.13		1	3.05	<SRL	U	1	3.04	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Acetone	3.33		1	3.05	3.31		1	3.04	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.05	<SRL	U	1	3.04	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.05	<SRL	U	1	3.04	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63579				242086-63580				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		93%				72%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63581				242086-63582				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Methanol	15.2		1	7.61	7.88		1	7.73	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Ethanol	4.49		1	3.04	<SRL	U	1	3.09	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Acetone	4.28		1	3.04	<SRL	U	1	3.09	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	3.09	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	3.09	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63581				242086-63582				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.52				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.77	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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63583				242086-63584				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.54				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methanol	11.5		1	7.72	<SRL	U	1	7.77	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.09	<SRL	U	1	3.11	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Acetone	4.03		1	3.09	<SRL	U	1	3.11	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.09	<SRL	U	1	3.11	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.09	<SRL	U	1	3.11	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63583				242086-63584				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/04/2024				09/04/2024				
Can Dilution Factor	1.54				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	1.55	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.78	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 : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63585				
Date Sampled	09/03/2024				
Date Analyzed	09/04/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	0.50
Propene	15.8		1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.76	0.50
Methanol	3040		50	378	5.00
1,3-Butadiene	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	0.50
Ethanol	822		10	30.2	2.00
Vinyl Bromide	<SRL	U	1	0.76	0.50
Acetone	150		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	91.0		1	3.02	2.00
Acrylonitrile	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	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	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	85.8		1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.76	0.50
Ethyl Acetate	4.73		1	0.76	0.50
Tetrahydrofuran	91.2		1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	0.50
Benzene	37.3		1	0.76	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242086
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63585				
Date Sampled	09/03/2024				
Date Analyzed	09/04/2024				
Can Dilution Factor	1.51				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.76	0.50
1,4-Dioxane	5.80		1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	2.98		1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	0.50
Toluene	4.35		1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.76	0.50
Ethylbenzene	2.78		1	0.76	0.50
m & p-Xylene	2.51		1	1.51	1.00
Bromoform	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	0.50
o-Xylene	1.07		1	0.76	0.50
4-Ethyltoluene	1.00		1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	1.31		1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		100%			70-130%

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

Laboratory Analysis Report

Dimethyl Sulfide via TICs

CLIENT : SCS Engineers
PROJECT NUMBER : 242086
MATRIX : AIR

DATE RECEIVED : 09/03/2024
DATE REPORTED : 09/06/2024
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	242086-63569	09/03/2024	09/04/2024	<SRL	U	1.49	1.0	93%
MS-07	242086-63570	09/03/2024	09/04/2024	<SRL	U	1.51	1.0	90%
MS-08	242086-63571	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	89%
MS-09	242086-63572	09/03/2024	09/04/2024	<SRL	U	1.49	1.0	89%
MS-10	242086-63573	09/03/2024	09/04/2024	<SRL	U	1.49	1.0	93%
MS-11	242086-63574	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	101%
MS-12	242086-63575	09/03/2024	09/04/2024	<SRL	U	1.56	1.0	93%
SCV	242086-63576	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	94%
Chiquito Cyn Rd	242086-63577	09/03/2024	09/04/2024	<SRL	U	1.48	1.0	91%
S End Lincoln	242086-63578	09/03/2024	09/04/2024	<SRL	U	1.48	1.0	92%
MS-01	242086-63579	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	93%
MS-02	242086-63580	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	72%
MS-03	242086-63581	09/03/2024	09/04/2024	<SRL	U	1.52	1.0	92%
MS-04	242086-63582	09/03/2024	09/04/2024	<SRL	U	1.55	1.0	93%
MS-05	242086-63583	09/03/2024	09/04/2024	<SRL	U	1.54	1.0	91%
Working Face	242086-63584	09/03/2024	09/04/2024	<SRL	U	1.55	1.0	93%
Reaction	242086-63585	09/03/2024	09/04/2024	<SRL	U	1.51	1.0	100%

* 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 : 09/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 08/30/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.38	100
Chlorodifluoromethane	10.20	8.92	87
Propene	10.70	8.93	83
Dichlorodifluoromethane	10.40	9.54	92
Dimethyl Ether	10.10	8.62	85
Chloromethane	10.50	9.16	87
Dichlorotetrafluoroethane	10.20	8.61	84
Vinyl Chloride	10.60	9.57	90
Acetaldehyde	20.90	18.83	90
Methanol	20.40	19.41	95
1,3-Butadiene	10.70	9.87	92
Bromomethane	10.40	8.91	86
Chloroethane	10.40	8.93	86
Dichlorofluoromethane	10.10	8.96	89
Ethanol	11.40	9.24	81
Vinyl Bromide	10.10	8.72	86
Acrolein	10.90	9.59	88
Acetone	10.60	8.35	79
Trichlorofluoromethane	10.50	8.98	86
2-Propanol (IPA)	11.00	9.28	84
Acrylonitrile	11.10	10.56	95
1,1-Dichloroethene	10.50	8.73	83
Methylene Chloride (DCM)	10.40	8.85	85
TertButanol (TBA)	11.20	9.08	81
Allyl Chloride	10.20	8.79	86
Carbon Disulfide	10.50	9.08	86
Trichlorotrifluoroethane	10.30	8.46	82
trans-1,2-Dichloroethene	10.80	9.55	88
1,1-Dichloroethane	10.70	9.38	88
Methyl Tert Butyl Ether (MTBE)	10.70	8.87	83
Vinyl Acetate	11.00	10.08	92
2-Butanone (MEK)	10.70	9.42	88
cis-1,2-Dichloroethene	10.70	9.64	90
Hexane	10.80	9.31	86
Chloroform	10.70	9.41	88
Ethyl Acetate	10.70	9.22	86
Tetrahydrofuran	10.40	8.68	83
1,2-Dichloroethane	10.60	9.56	90
1,1,1-Trichloroethane	10.50	9.00	86
Benzene	10.70	9.59	90
Carbon Tetrachloride	10.30	8.84	86
Cyclohexane	10.50	8.77	84

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	9.52	89
Bromodichloromethane	10.50	9.10	87
1,4-Dioxane	10.50	8.98	86
Trichloroethene (TCE)	10.50	9.17	87
2,2,4-Trimethylpentane	10.10	8.83	87
Methyl Methacrylate	11.00	9.82	89
Heptane	10.50	9.61	92
cis-1,3-Dichloropropene	10.50	9.23	88
4-Methyl-2-pentanone (MiBK)	10.50	8.41	80
trans-1,3-Dichloropropene	10.60	9.38	88
1,1,2-Trichloroethane	10.60	9.04	85
Toluene	10.80	9.57	89
2-Hexanone (MBK)	10.50	9.09	87
Dibromochloromethane	10.60	8.83	83
1,2-Dibromoethane	10.60	9.08	86
Tetrachloroethene (PCE)	10.50	8.81	84
Chlorobenzene	10.80	9.16	85
Ethylbenzene	10.60	9.26	87
m & p-Xylene	21.20	18.13	86
Bromoform	10.60	8.60	81
Styrene	10.60	9.42	89
1,1,2,2-Tetrachloroethane	10.60	9.01	85
o-Xylene	10.60	9.24	87
1,2,3-Trichloropropane	11.00	9.79	89
Isopropylbenzene (Cumene)	10.40	9.15	88
α-Pinene	10.80	7.97	74
2-Chlorotoluene	10.30	9.19	89
n-Propylbenzene	10.10	8.83	87
4-Ethyltoluene	10.40	8.97	86
1,3,5-Trimethylbenzene	10.30	8.80	85
β-Pinene	10.90	11.05	101
1,2,4-Trimethylbenzene	10.30	8.80	85
Benzyl Chloride (a-Chlorotoluene)	10.30	7.82	76
1,3-Dichlorobenzene	10.30	9.05	88
1,4-Dichlorobenzene	10.20	9.11	89
Sec-ButylBenzene	10.00	8.58	86
1,2-Dichlorobenzene	10.40	8.85	85
n-ButylBenzene	10.20	8.10	79
1,2-Dibromo-3-Chloropropane	10.10	8.04	80
1,2,4-Trichlorobenzene	10.50	9.03	86
Naphthalene	10.90	10.01	92
Hexachlorobutadiene	10.80	8.08	75

[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 : 09/04/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.38	9.25	100	98	1.4
1,1-Dichloroethene	0.0	10.50	8.73	8.74	83	83	0.1
Methylene Chloride (DCM)	0.0	10.40	8.85	8.55	85	82	3.4
Benzene	0.0	10.70	9.59	9.51	90	89	0.8
Trichloroethene (TCE)	0.0	10.50	9.17	8.81	87	84	4.0
Toluene	0.0	10.80	9.57	9.37	89	87	2.1
Tetrachloroethene (PCE)	0.0	10.50	8.81	8.79	84	84	0.2
Chlorobenzene	0.0	10.80	9.16	8.90	85	82	2.9
Ethylbenzene	0.0	10.60	9.26	8.89	87	84	4.1
m & p-Xylene	0.0	21.20	18.13	17.43	86	82	3.9
o-Xylene	0.0	10.60	9.24	8.91	87	84	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 : 09/04/2024 | **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 090424*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	96%	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 090424*	*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	1.0
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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Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/04/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x15.11

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242086-63585

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.03	9.11	0.9
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 E	4960	5320	7.1
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	822	823	0.1
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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242086

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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	63569	9/3	1136	summa 1					
MS-07	63570		0157						
MS-08	63571		0239						
MS-09	63572		0252						
MS-10	63573		0318						
MS-11	63574		1049						
MS-12	63575		0231						
SCV	63576		0305						
Chiquito Cyn Rd	63577		0214						
S. End Lincoln	63578		0221						

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: Nathaniel Davalos Signature: ND	Date 9/3/24 Time 1653	**Received By** Print: Signature:	Date Time
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

x 17 cans (6L)

242086

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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	63579	9/3	1223	summa 1	X				
MS-02	63580	↓	0114		X				
MS-03	63581		1150		X				
MS-04	63582		1245		X				
MS-05	63583		1204		X				
Working Face	63584		0124		X				
Reaction	63585		1256	↓	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 Print: Nathaniel Davalos Signature: ND	**Date** 9/3/24 **Time** 1653	**Received By** Print: Signature:	**Date** **Time**
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

242086

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AAC Project No.:

Client/Company Name SCS ENGINEERS **Project Manager Name** PAUL SCHAFER	**Project Name** CHIQUITA [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	63586	9/3	1136	tedlar 1	X	
MS-07	63587		0157		X	
MS-08	63588		0239		X	
MS-09	63589		0252		X	
MS-10	63590		0318		X	
MS-11	63591		1049		X	
MS-12	63592		0231		X	
SCV	63593		0305		X	
Chiquito Cyn Rd	63594		0214		X	
S. End Lincoln	63595		0221		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: Nathaniel Davalos Signature: ND	Date 9/3 Time 4:47	**Received By** Print: Signature:	Date 9/3/24 Time 1647
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]

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-01	63596	MS01	9/3/24	1223	tedlar 1	X				
MS-02	63597	MS-02		0114		X				
MS-03	63598	MS-03		1150		X				
MS-04	63599			1245		X				
MS-05	~~63602~~	63600		1204		X				
Working Face	~~63603~~ 63601	63601		0124		X				
Reaction	6m ~~63604~~ 63602	63602		1256		X				
	9/3/24									

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/3 Time 4:47	**Received By** Print: Signature:	Date 9/3/24 Time 1647
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.	: 242086
REPORT DATE	: 09/06/2024

On September 9th 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	242086-63586	S. End Lincoln	242086-63595
MS-07	242086-63587	MS-01	242086-63596
MS-08	242086-63588	MS-02	242086-63597
MS-09	242086-63589	MS-03	242086-63598
MS-10	242086-63590	MS-04	242086-63599
MS-11	242086-63591	MS-05	242086-63600
MS-12	242086-63592	Working Face	242086-63601
SCV	242086-63593	Reaction	242086-63602
Chiquita Cyn Rd	242086-63594		

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 receiving, two Tedlar Bags were labeled as "MS-03". Per client request the second mislabeled Tedlar Bag was labeled "MS-06" (AAC ID: 242086-63586). 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 12 pages.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242086
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03/2024
RECEIVING DATE ; 09/03/2024
ANALYSIS DATE : 09/03-04/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242086-63586	242086-63587	242086-63588	242086-63589	242086-63590	242086-63591
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242086
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03/2024
RECEIVING DATE ; 09/03/2024
ANALYSIS DATE : 09/04/2024
REPORT DATE : 09/06/2024

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	242086-63592	242086-63593	242086-63594	242086-63595	242086-63596	242086-63597
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242086
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03/2024
RECEIVING DATE ; 09/03/2024
ANALYSIS DATE : 09/03-04/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242086-63598	242086-63599	242086-63600	242086-63601	242086-63602
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	**0.011**
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.078**
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	**0.007**
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	**0.096**

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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/3/2024
Analyst: NR/DM
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	10475	0.486	95.0	2.0
Duplicate	10938	0.507	99.2	2.3
Triplicate	10654	0.494	96.7	0.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9563	0.516	102.8	2.6
Duplicate	9252	0.499	99.4	0.7
Triplicate	9142	0.493	98.2	1.9

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12501	0.519	104.4	0.2
Duplicate	12553	0.521	104.8	0.2
Triplicate	12540	0.520	104.7	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	0.262	0.238	102.5	93.2	9.6
MeSH	<PQL	0.251	0.244	0.253	97.2	100.8	3.6
DMS	<PQL	0.249	0.263	0.257	105.8	103.4	2.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.523	102.3
MeSH	0.502	0.505	100.6
DMS	0.497	0.529	106.4

**** 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: 9/3/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11220	492	96.4	0.6
Duplicate	11423	501	98.1	1.2
Triplicate	11226	492	96.4	0.6

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9813	484	96.5	1.7
Duplicate	9989	493	98.2	0.1
Triplicate	10143	500	99.7	1.6

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	14656	499	100.3	1.4
Duplicate	14942	508	102.3	0.5
Triplicate	14994	510	102.6	0.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	256.5	240.8	100.5	94.4	6.3
MeSH	<PQL	250.9	239.8	242.1	95.6	96.5	1.0
DMS	<PQL	248.5	268.5	260.6	108.0	104.9	3.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	500.4	98.0
MeSH	501.8	510.9	101.8
DMS	497.0	545.2	109.7

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/4/2024
Analyst: NR/DM
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	10727	0.497	97.3	1.1
Duplicate	10916	0.506	99.1	0.7
Triplicate	10886	0.505	98.8	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8861	0.478	95.2	1.0
Duplicate	8855	0.478	95.2	1.1
Triplicate	9134	0.493	98.2	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12452	0.517	104.0	0.3
Duplicate	12333	0.512	103.0	0.6
Triplicate	12447	0.517	103.9	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242086-63599**

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 **242086-63599 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.233	0.245	91.2	95.9	5.0
MeSH	<PQL	0.251	0.231	0.255	92.0	101.6	9.9
DMS	<PQL	0.249	0.238	0.263	95.8	105.8	10.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.557	109.0
MeSH	0.502	0.550	109.6
DMS	0.497	0.546	109.9

** 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: 9/4/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11216	492	96.3	0.1
Duplicate	11168	490	95.9	0.4
Triplicate	11241	493	96.5	0.3

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10138	500	99.7	0.1
Duplicate	10244	505	100.7	0.9
Triplicate	10074	497	99.0	0.8

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	15012	511	102.7	0.9
Duplicate	14964	509	102.4	0.6
Triplicate	14646	498	100.2	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242086-63595**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242086-63595 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	231.6	249.8	90.7	97.9	7.6
MeSH	<PQL	250.9	240.2	245.9	95.7	98.0	2.3
DMS	<PQL	248.5	265.1	252.6	106.7	101.6	4.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	512.9	100.5
MeSH	501.8	524.8	104.6
DMS	497.0	531.8	107.0

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

242086

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 [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 ID
MS-06	63586	9/3	1136	tedlar 1	X					
MS-07	63587		0157		X					
MS-08	63588		0239		X					
MS-09	63589		0252		X					
MS-10	63590		0318		X					
MS-11	63591		1049		X					
MS-12	63592		0231		X					
SCV	63593		0305		X					
Chiquito Cyn Rd	63594		0214		X					
S. End Lincoln	63595	↓	0221		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: Nathaniel Davalos Signature: ND	Date 9/3 Time 4:47	**Received By** Print: Signature:	Date 9/3/24 Time 1647
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242086

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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-01 63596	MS01	9/3/24	1223	tedlar 1	X				
MS-02 63597	MS-02		0114		X				
MS-03 63598	MS-03		1150		X				
MS-04 63599			1245		X				
MS-05 ~~63602~~	63600		1204		X				
Working Face ~~63603~~	63601		0124		X				
Reaction Gm 63604 9/3/24	63602		1256		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: Nathaniel Davalos Signature: ND	Date 9/3 Time 4:47	**Received By** Print: Signature:	Date 9/3/24 Time 1647	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

242086

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 [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:

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-06	63569	9/3	1136	summa 1	
MS-07	63570		0157		
MS-08	63571		0234		
MS-09	63572		0252		
MS-10	63573		0318		
MS-11	63574		1049		
MS-12	63575		0231		
SCV	63576		0305		
Chiquito Cyn Rd	63577		0214		
S. End Lincoln	63578		0221		

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: Nathaniel Dawdas	**Date** 9/3/24	**Received By** Print:	**Date**
Signature: ND	**Time** 1653	Signature:	**Time**
Relinquished By Print:	**Date**	**Received By** Print:	**Date**
Signature:	**Time**	Signature:	**Time**

17 cans (6L)

242086

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]

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					LAB USE ONLY: Lab ID
MS-01	63579	9/3	1223	summa 1	X					
MS-02	63580	↓	0114	↓	X					
MS-03	63581		1150		X					
MS-04	63582		1245		X					
MS-05	63583		1204		X					
Working Face	63584		0124		X					
Reaction	63585		1256		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: Nathaniel Dovalos	**Date** 9/3/21	**Received By** Print:	**Date**
Signature: ND	**Time** 1653	Signature:	**Time**
Relinquished By Print:	**Date**	**Received By** Print:	**Date**
Signature:	**Time**	Signature:	**Time**

Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers
PROJECT NAME : Chiquita ON/OFF
PROJECT NO. : 01204123.21 TASK 22
AAC PROJECT NO. : 242134
REPORT DATE : 09/13/2024

On September 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	242134-63745	715.0	S End Lincoln	242134-63754	674.0
MS-07	242134-63746	674.0	MS-01	242134-63755	668.0
MS-08	242134-63747	669.5	MS-02	242134-63756	665.5
MS-09	242134-63748	672.5	MS-03	242134-63757	679.0
MS-10	242134-63749	698.0	MS-04	242134-63758	662.0
MS-11	242134-63750	680.0	MS-05	242134-63759	673.0
MS-12	242134-63751	667.5	Working Face	242134-63760	659.0
SCV	242134-63752	697.5	Reaction	242134-63761	671.0
Chiquito Cyn Rd	242134-63753	676.0	--	--	--

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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63745				242134-63746				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.43				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloromethane	0.74		1	0.72	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methanol	10.5		1	7.15	<SRL	U	1	7.57	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethanol	2.86		1	2.86	<SRL	U	1	3.03	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Acetone	6.20		1	2.86	3.22		1	3.03	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	3.03	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	14.9		1	1.43	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	3.03	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63745				242134-63746				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.43				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.51	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		86%				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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63747				242134-63748				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.53				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Methanol	<SRL	U	1	7.67	8.57		1	7.58	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	3.07	<SRL	U	1	3.03	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Acetone	<SRL	U	1	3.07	13.0		1	3.03	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.07	<SRL	U	1	3.03	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.07	<SRL	U	1	3.03	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63747				242134-63748				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.53				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63749				242134-63750				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
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	22.1		1	7.35	11.1		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	3.26		1	2.94	<SRL	U	1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acetone	6.09		1	2.94	4.99		1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	3.01	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	2.94	<SRL	U	1	3.01	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

(805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63749				242134-63750				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
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%				85%			70-130%

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

(805) 650-1642

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63751				242134-63752				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.52				1.46				
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	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.76	0.73		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	7.61	16.6		1	7.28	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	3.05	3.93		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	3.05	25.9		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.05	<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	1.46	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	3.05	<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	1.46	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63751				242134-63752				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.52				1.46				
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	1.46	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	1.46	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	1.46	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		85%				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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63753				242134-63754				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.52				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methanol	<SRL	U	1	7.59	10.3		1	7.59	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	3.03	<SRL	U	1	3.04	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Acetone	3.38		1	3.03	4.30		1	3.04	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.04	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.04	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63753				242134-63754				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.52				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		75%				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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63755				242134-63756				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.54				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.54	<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	8.77		1	7.68	8.02		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	17.7		1	3.07	<SRL	U	1	3.10	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.77	0.50
Acetone	3.86		1	3.07	3.25		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	1.54	<SRL	U	1	1.55	1.00
Allyl Chloride	<SRL	U	1	1.54	<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	1.54	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63755				242134-63756				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.54				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	1.54	<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	1.54	<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	1.54	<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		86%				97%			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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63757				242134-63758				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.51				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.56	16.1		1	7.78	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.02	3.25		1	3.11	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acetone	3.17		1	3.02	3.59		1	3.11	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.02	<SRL	U	1	3.11	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	2.21		1	1.51	<SRL	U	1	1.56	1.00
Allyl Chloride	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	3.02	<SRL	U	1	3.11	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63757				242134-63758				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.51				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dioxane °	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.51	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63759				242134-63760				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.53				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.65	14.4		1	7.83	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.06	4.98		1	3.13	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acetone	<SRL	U	1	3.06	4.41		1	3.13	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	<SRL	U	1	3.13	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	3.13	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63759				242134-63760				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/10/2024				09/10/2024				
Can Dilution Factor	1.53				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.57	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	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 : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63761				
Date Sampled	09/09/2024				
Date Analyzed	09/10/2024				
Can Dilution Factor	1.52				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	0.50
Propene	6.21		1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.76	0.50
Methanol	401		10	76.1	5.00
1,3-Butadiene	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	0.50
Ethanol	136		1	3.04	2.00
Vinyl Bromide	<SRL	U	1	0.76	0.50
Acetone	40.1		1	3.04	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	17.3		1	3.04	2.00
Acrylonitrile	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	1.00
Allyl Chloride	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	3.04	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	25.6		1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.76	0.50
Ethyl Acetate	1.22		1	0.76	0.50
Tetrahydrofuran	31.0		1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	0.50
Benzene	10.2		1	0.76	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242134
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63761				
Date Sampled	09/09/2024				
Date Analyzed	09/10/2024				
Can Dilution Factor	1.52				
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	0.50
Toluene	1.13		1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.76	0.50
Ethylbenzene	0.97		1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	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 : 242134
MATRIX : AIR

DATE RECEIVED : 09/09/2024
DATE REPORTED : 09/13/2024
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	242134-63745	09/09/2024	09/10/2024	<SRL	U	1.43	1.0	86%
MS-07	242134-63746	09/09/2024	09/10/2024	<SRL	U	1.51	1.0	91%
MS-08	242134-63747	09/09/2024	09/10/2024	<SRL	U	1.53	1.0	93%
MS-09	242134-63748	09/09/2024	09/10/2024	<SRL	U	1.52	1.0	85%
MS-10	242134-63749	09/09/2024	09/10/2024	<SRL	U	1.47	1.0	87%
MS-11	242134-63750	09/09/2024	09/10/2024	<SRL	U	1.51	1.0	85%
MS-12	242134-63751	09/09/2024	09/10/2024	<SRL	U	1.52	1.0	85%
SCV	242134-63752	09/09/2024	09/10/2024	<SRL	U	1.46	1.0	94%
Chiquito Cyn Rd	242134-63753	09/09/2024	09/10/2024	<SRL	U	1.52	1.0	75%
S End Lincoln	242134-63754	09/09/2024	09/10/2024	<SRL	U	1.52	1.0	85%
MS-01	242134-63755	09/09/2024	09/10/2024	<SRL	U	1.54	1.0	86%
MS-02	242134-63756	09/09/2024	09/10/2024	<SRL	U	1.55	1.0	97%
MS-03	242134-63757	09/09/2024	09/10/2024	<SRL	U	1.51	1.0	94%
MS-04	242134-63758	09/09/2024	09/10/2024	<SRL	U	1.56	1.0	94%
MS-05	242134-63759	09/09/2024	09/10/2024	<SRL	U	1.53	1.0	85%
Working Face	242134-63760	09/09/2024	09/10/2024	<SRL	U	1.57	1.0	85%
Reaction	242134-63761	09/09/2024	09/10/2024	<SRL	U	1.52	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 : 09/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 08/30/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	8.82	94
Chlorodifluoromethane	10.20	12.26	120
Propene	10.70	12.40	116
Dichlorodifluoromethane	10.40	12.75	123
Dimethyl Ether	10.10	12.15	120
Chloromethane	10.50	13.15	125
Dichlorotetrafluoroethane	10.20	10.91	107
Vinyl Chloride	10.60	12.44	117
Acetaldehyde	20.90	23.99	115
Methanol	20.40	22.32	109
1,3-Butadiene	10.70	13.45	126
Bromomethane	10.40	10.88	105
Chloroethane	10.40	11.53	111
Dichlorofluoromethane	10.10	12.61	125
Ethanol	11.40	12.57	110
Vinyl Bromide	10.10	12.14	120
Acrolein	10.90	13.04	120
Acetone	10.60	11.32	107
Trichlorofluoromethane	10.50	12.66	121
2-Propanol (IPA)	11.00	13.30	121
Acrylonitrile	11.10	13.25	119
1,1-Dichloroethene	10.50	12.71	121
Methylene Chloride (DCM)	10.40	12.67	122
TertButanol (TBA)	11.20	11.49	103
Allyl Chloride	10.20	11.70	115
Carbon Disulfide	10.50	12.83	122
Trichlorotrifluoroethane	10.30	12.18	118
trans-1,2-Dichloroethene	10.80	13.94	129
1,1-Dichloroethane	10.70	11.51	108
Methyl Tert Butyl Ether (MTBE)	10.70	9.89	92
Vinyl Acetate	11.00	12.57	114
2-Butanone (MEK)	10.70	10.74	100
cis-1,2-Dichloroethene	10.70	10.04	94
Hexane	10.80	10.94	101
Chloroform	10.70	9.88	92
Ethyl Acetate	10.70	12.85	120
Tetrahydrofuran	10.40	9.47	91
1,2-Dichloroethane	10.60	11.50	108
1,1,1-Trichloroethane	10.50	9.21	88
Benzene	10.70	10.70	100
Carbon Tetrachloride	10.30	8.89	86
Cyclohexane	10.50	10.05	96

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.57	108
Bromodichloromethane	10.50	10.05	96
1,4-Dioxane	10.50	9.96	95
Trichloroethene (TCE)	10.50	9.14	87
2,2,4-Trimethylpentane	10.10	11.18	111
Methyl Methacrylate	11.00	10.99	100
Heptane	10.50	10.92	104
cis-1,3-Dichloropropene	10.50	10.17	97
4-Methyl-2-pentanone (MiBK)	10.50	10.76	102
trans-1,3-Dichloropropene	10.60	10.28	97
1,1,2-Trichloroethane	10.60	9.67	91
Toluene	10.80	10.50	97
2-Hexanone (MBK)	10.50	11.48	109
Dibromochloromethane	10.60	8.72	82
1,2-Dibromoethane	10.60	9.40	89
Tetrachloroethene (PCE)	10.50	8.24	78
Chlorobenzene	10.80	9.12	84
Ethylbenzene	10.60	9.56	90
m & p-Xylene	21.20	18.38	87
Bromoform	10.60	8.05	76
Styrene	10.60	9.71	92
1,1,2,2-Tetrachloroethane	10.60	10.16	96
o-Xylene	10.60	9.50	90
1,2,3-Trichloropropane	11.00	11.04	100
Isopropylbenzene (Cumene)	10.40	9.38	90
α-Pinene	10.80	9.26	86
2-Chlorotoluene	10.30	10.05	98
n-Propylbenzene	10.10	8.75	87
4-Ethyltoluene	10.40	9.88	95
1,3,5-Trimethylbenzene	10.30	9.57	93
β-Pinene HR	10.90	15.57	143
1,2,4-Trimethylbenzene	10.30	8.80	85
Benzyl Chloride (a-Chlorotoluene)	10.30	8.59	83
1,3-Dichlorobenzene	10.30	9.58	93
1,4-Dichlorobenzene	10.20	8.87	87
Sec-ButylBenzene	10.00	8.75	88
1,2-Dichlorobenzene	10.40	8.60	83
n-ButylBenzene	10.20	7.95	78
1,2-Dibromo-3-Chloropropane	10.10	7.56	75
1,2,4-Trichlorobenzene	10.50	7.58	72
Naphthalene	10.90	8.88	81
Hexachlorobutadiene LR	10.80	6.69	62

[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.

* - β-Pinene results are estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/10/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	8.82	8.97	94	95	1.7
1,1-Dichloroethene	0.0	10.50	12.71	13.01	121	124	2.3
Methylene Chloride (DCM)	0.0	10.40	12.67	9.77	122	94	25.8
Benzene	0.0	10.70	10.70	10.17	100	95	5.1
Trichloroethene (TCE)	0.0	10.50	9.14	8.41	87	80	8.3
Toluene	0.0	10.80	10.50	9.77	97	90	7.2
Tetrachloroethene (PCE)	0.0	10.50	8.24	7.88	78	75	4.5
Chlorobenzene	0.0	10.80	9.12	8.80	84	81	3.6
Ethylbenzene	0.0	10.60	9.56	9.46	90	89	1.1
m & p-Xylene	0.0	21.20	18.38	18.19	87	86	1.0
o-Xylene	0.0	10.60	9.50	9.35	90	88	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 : 09/10/2024 **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 091024*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	86%	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 091024*	*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	1.0
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 : 09/10/2024 | **INSTRUMENT ID : GC/MS-04**
MATRIX : Air | **ANALYST : DL**
UNITS : PPB (v/v) | **DILUTION FACTOR[1] : x1.52**

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242134-63761

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.46	8.71	2.9
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	6.21	5.66	9.2
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	12.3	12.0	2.8
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	10.5	9.83	6.7
Methanol E	798	764	4.4
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	136	124	9.3
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	40.1	43.7	8.6
Trichlorofluoromethane	<SRL	<SRL	*NA*
2-Propanol (IPA)	17.3	17.3	0.3
Acrylonitrile	<SRL	<SRL	*NA*
1,1-Dichloroethene	<SRL	<SRL	*NA*
Methylene Chloride (DCM)	<SRL	<SRL	*NA*
TertButanol (TBA)	0.90	0.94	5.0
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)	25.6	21.4	18.0
cis-1,2-Dichloroethene	<SRL	<SRL	*NA*
Hexane	<SRL	<SRL	*NA*
Chloroform	<SRL	<SRL	*NA*
Ethyl Acetate	1.22	1.22	0.0
Tetrahydrofuran	31.0	25.9	18.0
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	10.2	11.4	11.4
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	1.13	1.25	10.3
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	0.97	0.94	3.2
m & p-Xylene J	1.04	1.04	0.0
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)

E - Estimated value above the maximum reporting limit, shown for duplication purposes only.

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

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242134

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 [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	63745	9/9/24	1118	summa 1	X				
MS-07	63746		0135		X				
MS-08	63747		0214		X				
MS-09	63748		0225		X				
MS-10	63749		1011		X				
MS-11	63750		1052		X				
MS-12	63751		0207		X				
SCV 63752	63752	GP 9/9/24	0958		X				
Chiquito Cyn Rd	63753		0153		X				
S. End Lincoln	63754	✓	0200		X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	**Date** Time	**Received By** Print: Signature:	**Date** 9/9/24 Time 1570
Relinquished By Print: Nathaniel Davalos Signature: ND	**Date** Time	**Received By** Print: Signature:	**Date** Time

x17 Cans (6L)

242134

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

Project Number
01204123.21 TASK 22

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

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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:
Signature:

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS				
MS-01	63755	9/9/24	12A	summa 1	X				
MS-02	63756		0105		X				
MS-03	63757		1138		X				
MS-04	63758		1243		X				
MS-05	63759		1159		X				
Working Face	63760		0117		X				
Reaction	63761		1254		X				

LAB USE ONLY
Lab ID
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: Nathaniel Davalos Signature: ND	Date / Time	**Received By** Print: Signature:	Date / Time
Relinquished By Print: Nathaniel Davalos Signature: ND	Date / Time	**Received By** Print: Signature:	Date 9/9/24 Time 1530

242134

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Project Manager Name
PAUL SCHAFER

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CHIQUITA [OFF]

Project Number
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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	63762	4/9/24	1118	tedlar 1	X
MS-07	63763		0135		X
MS-08	63764		0214		X
MS-09	63765		0225		X
MS-10	63766		1011		X
MS-11	63767		1052		X
MS-12	63768		0207		X
SCV	63769		0958		X
Chiquito Cyn Rd	63770		0153		X
S. End Lincoln	63771	↓	0200		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: Nathaniel Davalos Signature: ND	Date 4/9 Time	**Received By** Print: Signature:	Date 9/9/24 Time 1550
Relinquished By Print: Nathaniel Davalos Signature: ND	Date 4/9 Time	**Received By** Print: Signature:	Date Time

242134

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AAC Project No.:

Client/Company Name
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Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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-01	63772	9/9/24	1219	tedlar 1	X
MS-02	63773		0105		X
MS-03	63774		1138		X
MS-04	63775		1243		X
MS-05	63776		1159		X
Working Face	63777		0117		X
Reaction	63778		1254		X

LAB USE ONLY
Lab ID
Sample Received via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature
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: Nathaniel Davalos Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date 9/9/24 Time 1550
Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date Time

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 242134
REPORT DATE	: 09/11/2024

On September 9th 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	242134-63762	S. End Lincoln	242134-63771
MS-07	242134-63763	MS-01	242134-63772
MS-08	242134-63764	MS-02	242134-63773
MS-09	242134-63765	MS-03	242134-63774
MS-10	242134-63766	MS-04	242134-63775
MS-11	242134-63767	MS-05	242134-63776
MS-12	242134-63768	Working Face	242134-63777
SCV	242134-63769	Reaction	242134-63778
Chiquito Cyn Rd	242134-63770		

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 11 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242134
MATRIX : AIR
UNITS : ppmv

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

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242134-63762	242134-63763	242134-63764	242134-63765	242134-63766	242134-63767
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242134
MATRIX : AIR
UNITS : ppmv

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

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	242134-63768	242134-63769	242134-63770	242134-63771	242134-63772	242134-63773
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242134
MATRIX : AIR
UNITS : ppmv

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

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242134-63774	242134-63775	242134-63776	242134-63777	242134-63778
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	**0.018**
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	**0.018**

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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/9/2024
Analyst: NR/DM
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	10528	0.488	95.5	1.0
Duplicate	10846	0.503	98.4	2.0
Triplicate	10540	0.489	95.6	0.9

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8962	0.483	96.3	2.0
Duplicate	9264	0.500	99.6	1.3
Triplicate	9203	0.496	98.9	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12349	0.512	103.1	0.3
Duplicate	12482	0.518	104.2	0.7
Triplicate	12342	0.512	103.0	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.262	0.238	102.5	93.2	9.6
MeSH	<PQL	0.251	0.261	0.239	104.0	95.2	8.8
DMS	<PQL	0.249	0.272	0.253	109.5	101.8	7.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.522	102.2
MeSH	0.502	0.509	101.4
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: 9/10/2024
Analyst: NR/DM
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	10557	0.489	95.8	1.0
Duplicate	10572	0.490	95.9	0.8
Triplicate	10852	0.503	98.5	1.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8849	0.477	95.1	4.2
Duplicate	9482	0.512	101.9	2.6
Triplicate	9392	0.507	100.9	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12462	0.517	104.0	1.0
Duplicate	12156	0.504	101.5	1.5
Triplicate	12393	0.514	103.5	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **242134-63771 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.236	0.241	92.4	94.3	2.1
MeSH	<PQL	0.251	0.234	0.258	93.2	102.8	9.8
DMS	<PQL	0.249	0.258	0.272	103.8	109.5	5.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.484	94.7
MeSH	0.502	0.481	95.8
DMS	0.497	0.503	101.2

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: 9/10/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11421	501	98.1	1.0
Duplicate	11238	493	96.5	0.6
Triplicate	11249	493	96.6	0.5

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10030	495	98.6	1.3
Duplicate	10052	496	98.8	1.0
Triplicate	10393	513	102.2	2.3

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	15105	514	103.4	1.5
Duplicate	14710	500	100.7	1.1
Triplicate	14821	504	101.4	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242134-63770**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242134-63770 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	268.6	256.7	105.2	100.6	4.5
MeSH	<PQL	250.9	270.5	267.8	107.8	106.8	1.0
DMS	<PQL	248.5	269.7	268.2	108.5	107.9	0.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	517.2	101.3
MeSH	501.8	519.4	103.5
DMS	497.0	536.8	108.0

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

24-2139

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 [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	63762	9/9/24	1118	tedlar 1	X				
MS-07	63763	"	0135	"	X				
MS-08	63764	"	0214	"	X				
MS-09	63765	"	0225	"	X				
MS-10	63766	"	1011	"	X				
MS-11	63767	"	1052	"	X				
MS-12	63768	"	0207	"	X				
SCV	63769	"	0158	"	X				
Chiquito Cyn Rd	63770	"	0155	"	X				
S. End Lincoln	63771	"	0200	"	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: Nathaniel Donalds Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date 9/9/24 Time 1550	
Relinquished By Print: Nathaniel Donalds Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date Time	

242134

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]

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-01	63772	9/9/24	1219	tedlar 1	X
MS-02	63773		0905		X
MS-03	63774		1138		X
MS-04	63775		1243		X
MS-05	63776		1159		X
Working Face	63777		0917		X
Reaction	63778		1259		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: Nathaniel Donados Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date 9/9/24 Time 1550	
Relinquished By Print: Nathaniel Donados Signature: ND	Date 9/9 Time	**Received By** Print: Signature:	Date Time	

242154

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 [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	63745	9/9/24	1118	summa 1	X				
MS-07	63746		0135		X				
MS-08	63747		9214		X				
MS-09	63748		0225		X				
MS-10	63749		1011		X				
MS-11	63750		1052		X				
MS-12	63751		0207		X				
SCV 63752	~~635~~ 63752	9/9/24	0458		X				
Chiquito Cyn Rd	63753		0153		X				
S. End Lincoln	63754	↓	0200		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: Nathaniel Davalos Signature: ND	**Date** Time	**Received By** Print: Signature:	**Date** 9/9/24 Time 1570
Relinquished By Print: Nathaniel Davalos Signature: ND	**Date** Time	**Received By** Print: Signature:	**Date** Time

x 17 Canr (LL)

2421 34

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]

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-01	63755	9/1/24	1211	summa 1	X					
MS-02	63756		0105		X					
MS-03	63757		1138		X					
MS-04	63758		1243		X					
MS-05	63759		1159		X					
Working Face	63760		0117		X					
Reaction	63761		1254		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: Nathaniel Davies Signature: ND	**Date** / **Time**	**Received By** Print: Signature:	**Date** / **Time**
Relinquished By Print: Nathaniel Davies Signature: ND	**Date** / **Time**	**Received By** Print: Signature:	**Date** 9/9/24 **Time** 1530

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 242193
REPORT DATE	: 09/23/2024

On September 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	242193-64053	637.0	S End Lincoln	242193-64062	709.5
MS-07	242193-64054	707.5	MS-01	242193-64063	698.0
MS-08	242193-64055	705.5	MS-02	242193-64064	703.5
MS-09	242193-64056	699.0	MS-03	242193-64065	718.0
MS-10	242193-64057	720.4	MS-04	242193-64066	692.5
MS-11	242193-64058	708.0	MS-05	242193-64067	704.0
MS-12	242193-64059	706.5	Working Face	242193-64068	706.0
SCV	242193-64060	710.0	Reaction	242193-64069	699.5
Chiquito Cyn Rd	242193-64061	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.

Sucha Parmar, Ph.D.
Technical Director

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64053				242193-64054				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.62				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.81	0.83		1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	8.08	<SRL	U	1	7.31	5.00
1,3-Butadiene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Bromomethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Chloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Dichlorofluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Ethanol	<SRL	U	1	3.23	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	3.23	<SRL	U	1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	3.23	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	3.23	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
2-Butanone (MEK)	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Hexane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Chloroform	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Ethyl Acetate	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Tetrahydrofuran	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2-Dichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Benzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64053				242193-64054				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.62				1.46				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Cyclohexane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2-Dichloropropane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Bromodichloromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,4-Dioxane	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Trichloroethene (TCE)	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Heptane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Toluene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
2-Hexanone (MBK)	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Dibromochloromethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2-Dibromoethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Chlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Ethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
m & p-Xylene	<SRL	U	1	1.62	<SRL	U	1	1.46	1.00
Bromoform	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Styrene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
o-Xylene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
4-Ethyltoluene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
Hexachlorobutadiene	<SRL	U	1	0.81	<SRL	U	1	0.73	0.50
BFB-Surrogate Std. % Recovery		97%				96%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64055				242193-64056				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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	<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	7.26	<SRL	U	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	<SRL	U	1	2.90	<SRL	U	1	2.93	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
Acetone	3.53		1	2.90	3.36		1	2.93	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.90	<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	2.90	<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)	<SRL	U	1	1.45	<SRL	U	1	1.47	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	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

Atmospheric Analysis & Consulting, Inc

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64055				242193-64056				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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		95%				95%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64057				242193-64058				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.44				1.47				
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	<SRL	U	1	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Chloromethane	0.81		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	7.20	<SRL	U	1	7.34	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	3.53		1	2.88	<SRL	U	1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	3.60		1	2.88	3.25		1	2.94	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	2.94	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	1.47	1.00
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	2.94	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	<SRL	U	1	1.47	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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64057				242193-64058				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.44				1.47				
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	1.47	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	1.47	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	1.47	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		95%				95%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64059				242193-64060				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.44				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	1.44	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	0.78		1	0.72	0.81		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	7.21	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	4.36		1	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.87	4.62		1	2.88	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	2.88	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	2.87	<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	<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

Atmospheric Analysis & Consulting, Inc

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64059				242193-64060				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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	<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	1.44	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	1.44	<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	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<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		94%				94%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64061				242193-64062				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.44				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	1.44	<SRL	U	1	1.44	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Chloromethane	0.75		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	7.20	<SRL	U	1	7.19	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	2.88	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.88	3.03		1	2.88	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	2.88	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	2.88	<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	<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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64061				242193-64062				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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	<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	1.44	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	1.44	<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	<SRL	U	1	0.72	0.50
m & p-Xylene	<SRL	U	1	1.44	<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		94%				94%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64063				242193-64064				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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	<SRL	U	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	<SRL	U	1	7.42	<SRL	U	1	7.24	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	2.97	<SRL	U	1	2.90	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
Acetone	<SRL	U	1	2.97	3.19		1	2.90	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.97	<SRL	U	1	2.90	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	2.97	<SRL	U	1	2.90	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	1.45	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	<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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64063				242193-64064				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
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		91%				94%			70-130%

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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64065				242193-64066				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.45				1.49				
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	1.49	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	51.8		1	7.45	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	2.90	11.1		1	2.98	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	2.90	5.90		1	2.98	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	2.98	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	1.49	1.00
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.90	<SRL	U	1	2.98	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	2.09		1	1.49	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	2.53		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	1.44		1	0.74	0.50

Atmospheric Analysis & Consulting, Inc

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64065				242193-64066				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.45				1.49				
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	2.42		1	1.45	<SRL	U	1	1.49	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	1.49	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	1.49	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		93%				97%			70-130%

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

Atmospheric Analysis & Consulting, Inc

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64067				242193-64068				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.45				1.45				
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	1.45	<SRL	U	1	1.45	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	7.23	<SRL	U	1	7.27	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	<SRL	U	1	2.89	7.27		1	2.91	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.73	0.50
Acetone	3.54		1	2.89	3.79		1	2.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	1.05		1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<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	1.45	<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	2.89	<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	1.45	<SRL	U	1	1.45	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

Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64067				242193-64068				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/18/2024				09/18/2024				
Can Dilution Factor	1.45				1.45				
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	1.45	<SRL	U	1	1.45	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	1.45	<SRL	U	1	1.45	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	1.45	<SRL	U	1	1.45	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%				95%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64069				
Date Sampled	09/16/2024				
Date Analyzed	09/18/2024				
Can Dilution Factor	1.40				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.70	0.50
Propene	24.9		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	2840		25	175	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	330		25	70.2	2.00
Vinyl Bromide	<SRL	U	1	0.70	0.50
Acetone	139		1	2.81	2.00
Trichlorofluoromethane	<SRL	U	1	0.70	0.50
2-Propanol (IPA)	56.4		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)	86.5		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	3.64		1	0.70	0.50
Tetrahydrofuran	111		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	50.5		1	0.70	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242193
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64069				
Date Sampled	09/16/2024				
Date Analyzed	09/18/2024				
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	3.79		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)	4.09		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	7.26		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	5.21		1	0.70	0.50
m & p-Xylene	4.93		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	2.19		1	0.70	0.50
4-Ethyltoluene	1.74		1	0.70	0.50
1,3,5-Trimethylbenzene	0.70		1	0.70	0.50
1,2,4-Trimethylbenzene	2.34		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		98%			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 : 242193
MATRIX : AIR

DATE RECEIVED : 09/16/2024
DATE REPORTED : 09/23/2024
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	242193-64053	09/16/2024	09/18/2024	<SRL	U	1.62	1.0	97%
MS-07	242193-64054	09/16/2024	09/18/2024	<SRL	U	1.46	1.0	96%
MS-08	242193-64055	09/16/2024	09/18/2024	<SRL	U	1.45	1.0	95%
MS-09	242193-64056	09/16/2024	09/18/2024	<SRL	U	1.47	1.0	95%
MS-10	242193-64057	09/16/2024	09/18/2024	<SRL	U	1.44	1.0	95%
MS-11	242193-64058	09/16/2024	09/18/2024	<SRL	U	1.47	1.0	95%
MS-12	242193-64059	09/16/2024	09/18/2024	<SRL	U	1.44	1.0	94%
SCV	242193-64060	09/16/2024	09/18/2024	<SRL	U	1.44	1.0	94%
Chiquito Cyn Rd	242193-64061	09/16/2024	09/18/2024	<SRL	U	1.44	1.0	94%
S End Lincoln	242193-64062	09/16/2024	09/18/2024	<SRL	U	1.44	1.0	94%
MS-01	242193-64063	09/16/2024	09/18/2024	<SRL	U	1.48	1.0	91%
MS-02	242193-64064	09/16/2024	09/18/2024	<SRL	U	1.45	1.0	94%
MS-03	242193-64065	09/16/2024	09/18/2024	<SRL	U	1.45	1.0	93%
MS-04	242193-64066	09/16/2024	09/18/2024	<SRL	U	1.49	1.0	97%
MS-05	242193-64067	09/16/2024	09/18/2024	<SRL	U	1.45	1.0	92%
Working Face	242193-64068	09/16/2024	09/18/2024	<SRL	U	1.45	1.0	95%
Reaction	242193-64069	09/16/2024	09/18/2024	<SRL	U	1.40	1.0	98%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%

RL - Reporting Limit

U - Compound was not detected at or above the Sample RL.

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/16/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	10.04	107
Chlorodifluoromethane	10.20	12.69	124
Propene	10.70	13.72	128
Dichlorodifluoromethane	10.40	11.30	109
Dimethyl Ether	10.10	12.82	127
Chloromethane	10.50	12.80	122
Dichlorotetrafluoroethane	10.20	10.45	102
Vinyl Chloride	10.60	12.38	117
Acetaldehyde	20.90	25.60	122
Methanol	20.40	26.14	128
1,3-Butadiene	10.70	13.21	123
Bromomethane	10.40	10.10	97
Chloroethane	10.40	9.95	96
Dichlorofluoromethane	10.10	9.81	97
Ethanol	11.40	13.47	118
Vinyl Bromide	10.10	9.94	98
Acrolein	10.90	13.76	126
Acetone	10.60	11.41	108
Trichlorofluoromethane	10.50	10.93	104
2-Propanol (IPA)	11.00	13.59	124
Acrylonitrile	11.10	14.10	127
1,1-Dichloroethene	10.50	10.20	97
Methylene Chloride (DCM)	10.40	9.65	93
TertButanol (TBA) HR	11.20	15.31	137
Allyl Chloride	10.20	13.24	130
Carbon Disulfide	10.50	11.25	107
Trichlorotrifluoroethane	10.30	10.00	97
trans-1,2-Dichloroethene	10.80	10.81	100
1,1-Dichloroethane	10.70	11.82	110
Methyl Tert Butyl Ether (MTBE)	10.70	13.77	129
Vinyl Acetate	11.00	13.87	126
2-Butanone (MEK)	10.70	11.52	108
cis-1,2-Dichloroethene	10.70	10.75	100
Hexane	10.80	10.27	95
Chloroform	10.70	11.26	105
Ethyl Acetate	10.70	13.52	126
Tetrahydrofuran	10.40	10.46	101
1,2-Dichloroethane	10.60	12.06	114
1,1,1-Trichloroethane	10.50	11.80	112
Benzene	10.70	10.75	100
Carbon Tetrachloride	10.30	12.05	117
Cyclohexane	10.50	10.35	99

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.54	108
Bromodichloromethane	10.50	12.10	115
1,4-Dioxane	10.50	10.18	97
Trichloroethene (TCE)	10.50	10.54	100
2,2,4-Trimethylpentane	10.10	11.43	113
Methyl Methacrylate	11.00	12.29	112
Heptane	10.50	10.06	96
cis-1,3-Dichloropropene	10.50	11.89	113
4-Methyl-2-pentanone (MiBK)	10.50	12.16	116
trans-1,3-Dichloropropene	10.60	11.73	111
Z	10.60	9.16	86
Toluene	10.80	10.37	96
2-Hexanone (MBK)	10.50	13.06	124
Dibromochloromethane	10.60	11.80	111
1,2-Dibromoethane	10.60	11.16	105
Tetrachloroethene (PCE)	10.50	9.88	94
Chlorobenzene	10.80	10.23	95
Ethylbenzene	10.60	10.55	100
m & p-Xylene	21.20	20.25	96
Bromoform	10.60	12.53	118
Styrene	10.60	11.00	104
1,1,2,2-Tetrachloroethane	10.60	10.52	99
o-Xylene	10.60	10.72	101
1,2,3-Trichloropropane	11.00	12.02	109
Isopropylbenzene (Cumene)	10.40	10.53	101
α-Pinene	10.80	9.96	92
2-Chlorotoluene	10.30	10.87	106
n-Propylbenzene	10.10	10.41	103
4-Ethyltoluene	10.40	9.92	95
1,3,5-Trimethylbenzene	10.30	10.29	100
β-Pinene	10.90	11.12	102
1,2,4-Trimethylbenzene	10.30	10.40	101
Benzyl Chloride (a-Chlorotoluene)	10.30	12.51	121
1,3-Dichlorobenzene	10.30	11.15	108
1,4-Dichlorobenzene	10.20	9.84	96
Sec-ButylBenzene	10.00	9.86	99
1,2-Dichlorobenzene	10.40	9.94	96
n-ButylBenzene	10.20	9.52	93
1,2-Dibromo-3-Chloropropane	10.10	10.63	105
1,2,4-Trichlorobenzene	10.50	9.61	92
Naphthalene	10.90	10.20	94
Hexachlorobutadiene	10.80	10.15	94

[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.

Atmospheric Analysis & Consulting, Inc

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/18/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	10.04	9.69	107	103	3.5
1,1-Dichloroethene	0.0	10.50	10.20	10.15	97	97	0.5
Methylene Chloride (DCM)	0.0	10.40	9.65	9.60	93	92	0.5
Benzene	0.0	10.70	10.75	10.70	100	100	0.5
Trichloroethene (TCE)	0.0	10.50	10.54	10.48	100	100	0.6
Toluene	0.0	10.80	10.37	10.56	96	98	1.8
Tetrachloroethene (PCE)	0.0	10.50	9.88	10.35	94	99	4.6
Chlorobenzene	0.0	10.80	10.23	10.15	95	94	0.8
Ethylbenzene	0.0	10.60	10.55	10.15	100	96	3.9
m & p-Xylene	0.0	21.20	20.25	20.08	96	95	0.8
o-Xylene	0.0	10.60	10.72	10.42	101	98	2.8

[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%).

Atmospheric Analysis & Consulting, Inc

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/18/2024 | **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 091824*	*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 091824*	*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	1.0
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

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/18/2024
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: TO15 CCV

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	10.0	9.69	3.5
Chlorodifluoromethane	12.7	12.1	4.6
Propene	13.7	13.2	4.2
Dichlorodifluoromethane	11.3	10.9	3.6
Dimethyl Ether	12.8	12.7	1.2
Chloromethane	12.8	12.8	0.2
Dichlorotetrafluoroethane	10.5	10.1	3.8
Vinyl Chloride	12.4	11.9	3.9
Acetaldehyde	25.6	24.7	3.4
Methanol	26.1	25.0	4.6
1,3-Butadiene	13.2	12.8	3.1
Bromomethane	10.1	10.0	0.9
Chloroethane	9.95	9.72	2.3
Dichlorofluoromethane	9.81	9.58	2.4
Ethanol	13.5	13.2	2.3
Vinyl Bromide	9.94	9.51	4.4
Acrolein	13.8	13.0	5.4
Acetone	11.4	11.5	0.4
Trichlorofluoromethane	10.9	10.5	3.9
2-Propanol (IPA)	13.6	13.8	1.6
Acrylonitrile	14.1	13.6	4.0
1,1-Dichloroethene	10.2	10.2	0.5
Methylene Chloride (DCM)	9.65	9.60	0.5
TertButanol (TBA)	15.3	17.0	10.2
Allyl Chloride	13.2	12.6	5.3
Carbon Disulfide	11.3	11.0	2.0
Trichlorotrifluoroethane	10.0	9.67	3.4
trans-1,2-Dichloroethene	10.8	10.8	0.2
1,1-Dichloroethane	11.8	11.4	3.8
Methyl Tert Butyl Ether (MTBE)	13.8	12.8	7.5
Vinyl Acetate	13.9	13.2	5.3
2-Butanone (MEK)	11.5	11.0	4.9
cis-1,2-Dichloroethene	10.8	10.7	0.7
Hexane	10.3	10.1	1.9
Chloroform	11.3	11.2	1.0
Ethyl Acetate	13.5	13.2	2.6
Tetrahydrofuran	10.5	10.1	3.5
1,2-Dichloroethane	12.1	11.9	1.8
1,1,1-Trichloroethane	11.8	11.7	0.6
Benzene	10.8	10.7	0.5
Carbon Tetrachloride	12.1	12.1	0.6
Cyclohexane	10.4	10.1	2.9

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	11.5	11.6	0.3
Bromodichloromethane	12.1	12.2	0.4
1,4-Dioxane	10.2	10.2	0.3
Trichloroethene (TCE)	10.5	10.5	0.6
2,2,4-Trimethylpentane	11.4	11.4	0.2
Methyl Methacrylate	12.3	12.1	1.2
Heptane	10.1	10.4	3.2
cis-1,3-Dichloropropene	11.9	12.2	2.3
4-Methyl-2-pentanone (MiBK)	12.2	12.6	3.8
trans-1,3-Dichloropropene	11.7	13.0	10.1
1,1,2-Trichloroethane	9.16	12.6	31.3
Toluene	10.4	10.6	1.8
2-Hexanone (MBK)	13.1	12.9	1.2
Dibromochloromethane	11.8	11.3	4.7
1,2-Dibromoethane	11.2	10.8	3.6
Tetrachloroethene (PCE)	9.88	10.4	4.6
Chlorobenzene	10.2	10.2	0.8
Ethylbenzene	10.6	10.2	3.9
m & p-Xylene	20.3	20.1	0.8
Bromoform	12.5	12.2	2.4
Styrene	11.0	10.8	2.1
1,1,2,2-Tetrachloroethane	10.5	10.2	3.5
o-Xylene	10.7	10.4	2.8
1,2,3-Trichloropropane	12.0	11.6	3.6
Isopropylbenzene (Cumene)	10.5	10.2	3.2
α-Pinene	9.96	9.70	2.6
2-Chlorotoluene	10.9	10.5	3.1
n-Propylbenzene	10.4	10.2	1.9
4-Ethyltoluene	9.92	9.50	4.3
1,3,5-Trimethylbenzene	10.3	9.91	3.8
β-Pinene	11.1	10.9	1.9
1,2,4-Trimethylbenzene	10.4	9.83	5.6
Benzyl Chloride (a-Chlorotoluene)	12.5	12.9	2.7
1,3-Dichlorobenzene	11.2	9.21	19.1
1,4-Dichlorobenzene	9.84	10.6	7.7
Sec-ButylBenzene	9.86	9.29	6.0
1,2-Dichlorobenzene	9.94	9.90	0.4
n-ButylBenzene	9.52	9.70	1.9
1,2-Dibromo-3-Chloropropane	10.6	11.0	3.1
1,2,4-Trichlorobenzene	9.61	9.88	2.8
Naphthalene	10.2	10.3	1.2
Hexachlorobutadiene	10.2	10.3	1.9

[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)

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.48	101
Chlorodifluoromethane	10.20	10.12	99
Propene	10.70	10.47	98
Dichlorodifluoromethane	10.40	10.70	103
Dimethyl Ether	10.10	9.62	95
Chloromethane	10.50	10.08	96
Dichlorotetrafluoroethane	10.20	10.11	99
Vinyl Chloride	10.60	10.94	103
Acetaldehyde	20.90	23.10	111
Methanol	20.40	20.34	100
1,3-Butadiene	10.70	11.15	104
Bromomethane	10.40	10.38	100
Chloroethane	10.40	10.67	103
Dichlorofluoromethane	10.10	10.15	100
Ethanol	11.40	10.95	96
Vinyl Bromide	10.10	10.22	101
Acrolein	10.90	11.74	108
Acetone	10.60	10.19	96
Trichlorofluoromethane	10.50	10.32	98
2-Propanol (IPA)	11.00	10.47	95
Acrylonitrile	11.10	10.84	98
1,1-Dichloroethene	10.50	10.65	101
Methylene Chloride (DCM)	10.40	10.16	98
TertButanol (TBA)	11.20	11.01	98
Allyl Chloride	10.20	10.61	104
Carbon Disulfide	10.50	10.84	103
Trichlorotrifluoroethane	10.30	10.20	99
trans-1,2-Dichloroethene	10.80	11.27	104
1,1-Dichloroethane	10.70	10.59	99
Methyl Tert Butyl Ether (MTBE)	10.70	10.94	102
Vinyl Acetate	11.00	11.22	102
2-Butanone (MEK)	10.70	10.76	101
cis-1,2-Dichloroethene	10.70	11.20	105
Hexane	10.80	9.87	91
Chloroform	10.70	10.81	101
Ethyl Acetate	10.70	11.04	103
Tetrahydrofuran	10.40	9.60	92
1,2-Dichloroethane	10.60	10.40	98
1,1,1-Trichloroethane	10.50	10.29	98
Benzene	10.70	10.89	102
Carbon Tetrachloride	10.30	9.86	96
Cyclohexane	10.50	10.20	97

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.69	100
Bromodichloromethane	10.50	10.27	98
1,4-Dioxane	10.50	10.20	97
Trichloroethene (TCE)	10.50	10.21	97
2,2,4-Trimethylpentane	10.10	9.66	96
Methyl Methacrylate	11.00	11.14	101
Heptane	10.50	10.64	101
cis-1,3-Dichloropropene	10.50	10.45	100
4-Methyl-2-pentanone (MiBK)	10.50	10.10	96
trans-1,3-Dichloropropene	10.60	10.37	98
1,1,2-Trichloroethane	10.60	9.48	89
Toluene	10.80	10.75	100
2-Hexanone (MBK)	10.50	10.46	100
Dibromochloromethane	10.60	10.26	97
1,2-Dibromoethane	10.60	10.53	99
Tetrachloroethene (PCE)	10.50	9.70	92
Chlorobenzene	10.80	10.24	95
Ethylbenzene	10.60	10.42	98
m & p-Xylene	21.20	20.26	96
Bromoform	10.60	9.76	92
Styrene	10.60	10.68	101
1,1,2,2-Tetrachloroethane	10.60	9.92	94
o-Xylene	10.60	10.59	100
1,2,3-Trichloropropane	11.00	10.93	99
Isopropylbenzene (Cumene)	10.40	10.28	99
α-Pinene	10.80	10.02	93
2-Chlorotoluene	10.30	10.10	98
n-Propylbenzene	10.10	10.06	100
4-Ethyltoluene	10.40	9.73	94
1,3,5-Trimethylbenzene	10.30	9.89	96
β-Pinene	10.90	9.79	90
1,2,4-Trimethylbenzene	10.30	9.90	96
Benzyl Chloride (a-Chlorotoluene)	10.30	8.93	87
1,3-Dichlorobenzene	10.30	10.44	101
1,4-Dichlorobenzene	10.20	9.73	95
Sec-ButylBenzene	10.00	9.98	100
1,2-Dichlorobenzene	10.40	10.00	96
n-ButylBenzene	10.20	9.58	94
1,2-Dibromo-3-Chloropropane	10.10	8.95	89
1,2,4-Trichlorobenzene	10.50	9.70	92
Naphthalene	10.90	10.36	95
Hexachlorobutadiene	10.80	8.95	83

[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.

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.48	9.26	101	99	2.3
1,1-Dichloroethene	0.0	10.50	10.65	10.55	101	100	0.9
Methylene Chloride (DCM)	0.0	10.40	10.16	9.95	98	96	2.1
Benzene	0.0	10.70	10.89	10.95	102	102	0.5
Trichloroethene (TCE)	0.0	10.50	10.21	10.26	97	98	0.5
Toluene	0.0	10.80	10.75	11.01	100	102	2.4
Tetrachloroethene (PCE)	0.0	10.50	9.70	10.54	92	100	8.3
Chlorobenzene	0.0	10.80	10.24	10.36	95	96	1.2
Ethylbenzene	0.0	10.60	10.42	10.37	98	98	0.5
m & p-Xylene	0.0	21.20	20.26	19.92	96	94	1.7
o-Xylene	0.0	10.60	10.59	10.41	100	98	1.7

[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%).

Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/23/2024
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 092324*	*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 092324*	*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

Atmospheric Analysis & Consulting, Inc

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/23/2024
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: TO15 CCV

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	9.48	9.26	2.3
Chlorodifluoromethane	10.1	9.84	2.8
Propene	10.5	10.1	4.1
Dichlorodifluoromethane	10.7	10.9	1.9
Dimethyl Ether	9.62	9.70	0.8
Chloromethane	10.1	10.3	1.9
Dichlorotetrafluoroethane	10.1	9.81	3.0
Vinyl Chloride	10.9	10.7	2.0
Acetaldehyde	23.1	19.8	15.4
Methanol	20.3	22.1	8.1
1,3-Butadiene	11.2	11.1	0.5
Bromomethane	10.4	10.2	1.4
Chloroethane	10.7	10.2	4.9
Dichlorofluoromethane	10.2	9.92	2.3
Ethanol	11.0	10.7	2.5
Vinyl Bromide	10.2	9.81	4.1
Acrolein	11.7	11.1	6.0
Acetone	10.2	9.71	4.8
Trichlorofluoromethane	10.3	10.1	2.5
2-Propanol (IPA)	10.5	10.6	1.1
Acrylonitrile	10.8	11.0	1.0
1,1-Dichloroethene	10.7	10.6	0.9
Methylene Chloride (DCM)	10.2	9.95	2.1
TertButanol (TBA)	11.0	11.1	0.4
Allyl Chloride	10.6	10.2	3.5
Carbon Disulfide	10.8	10.9	0.5
Trichlorotrifluoroethane	10.2	9.84	3.6
trans-1,2-Dichloroethene	11.3	11.2	0.9
1,1-Dichloroethane	10.6	10.6	0.2
Methyl Tert Butyl Ether (MTBE)	10.9	10.2	6.8
Vinyl Acetate	11.2	11.1	0.8
2-Butanone (MEK)	10.8	11.0	2.6
cis-1,2-Dichloroethene	11.2	10.9	2.7
Hexane	9.87	11.3	13.2
Chloroform	10.8	10.8	0.2
Ethyl Acetate	11.0	11.2	1.3
Tetrahydrofuran	9.60	9.76	1.7
1,2-Dichloroethane	10.4	10.4	0.2
1,1,1-Trichloroethane	10.3	10.2	0.5
Benzene	10.9	11.0	0.5
Carbon Tetrachloride	9.86	10.2	3.0
Cyclohexane	10.2	10.2	0.2

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD*[2]
1,2-Dichloropropane	10.7	10.8	1.3
Bromodichloromethane	10.3	10.4	1.3
1,4-Dioxane	10.2	10.4	2.0
Trichloroethene (TCE)	10.2	10.3	0.5
2,2,4-Trimethylpentane	9.66	9.80	1.4
Methyl Methacrylate	11.1	11.4	2.3
Heptane	10.6	10.7	0.5
cis-1,3-Dichloropropene	10.5	10.8	3.4
4-Methyl-2-pentanone (MiBK)	10.1	10.3	1.9
trans-1,3-Dichloropropene	10.4	11.7	11.7
1,1,2-Trichloroethane	9.48	11.6	19.7
Toluene	10.8	11.0	2.4
2-Hexanone (MBK)	10.5	10.7	2.5
Dibromochloromethane	10.3	10.2	1.1
1,2-Dibromoethane	10.5	10.4	1.3
Tetrachloroethene (PCE)	9.70	10.5	8.3
Chlorobenzene	10.2	10.4	1.2
Ethylbenzene	10.4	10.4	0.5
m & p-Xylene	20.3	19.9	1.7
Bromoform	9.76	9.76	0.0
Styrene	10.7	10.4	3.1
1,1,2,2-Tetrachloroethane	9.92	9.90	0.2
o-Xylene	10.6	10.4	1.7
1,2,3-Trichloropropane	10.9	10.7	2.1
Isopropylbenzene (Cumene)	10.3	9.98	3.0
α-Pinene	10.0	10.2	1.9
2-Chlorotoluene	10.1	9.89	2.1
n-Propylbenzene	10.1	9.57	5.0
4-Ethyltoluene	9.73	9.53	2.1
1,3,5-Trimethylbenzene	9.89	9.72	1.7
β-Pinene	9.79	9.80	0.1
1,2,4-Trimethylbenzene	9.90	9.51	4.0
Benzyl Chloride (a-Chlorotoluene)	8.93	9.40	5.1
1,3-Dichlorobenzene	10.4	8.89	16.0
1,4-Dichlorobenzene	9.73	10.4	6.3
Sec-ButylBenzene	9.98	9.41	5.9
1,2-Dichlorobenzene	10.0	10.1	1.2
n-ButylBenzene	9.58	9.73	1.6
1,2-Dibromo-3-Chloropropane	8.95	9.46	5.5
1,2,4-Trichlorobenzene	9.70	9.92	2.2
Naphthalene	10.4	10.4	0.3
Hexachlorobutadiene	8.95	9.24	3.2

[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)

242193

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 [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	64053	9-16-24	1157	summa 1	X
MS-07	64054		1340		X
MS-08	64055		1416		X
MS-09	64056		1427		X
MS-10	64057		1053		X
MS-11	64058		1130		X
MS-12	64059		1409		X
SCV	64060		1042		X
Chiquito Cyn Rd	64061		1355		X
S. End Lincoln	64062		1404		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 Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date Time
Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date 9/16/24 Time 1548

17a GMS

242193

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]

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	64063	9-16-24	9/16	1234	summa 1	X				
MS-02	64064		9/16	1316		X				
MS-03	64065		9/16	1210		X				
MS-04	64066		9/16	1252		X				
MS-05	64067		9/16	1222		X				
Working Face	64068		9/16	1326		X				
Reaction	64069		9/16	1303		X				

LAB USE ONLY
Lab ID
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: Nathaniel Davalos Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date Time
Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date 9/16/24 Time 1540

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 01204123.21 TASK 22
AAC PROJECT NO.	: 242193
REPORT DATE	: 09/18/2024

On September 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	242193-64070	S. End Lincoln	242193-64079
MS-07	242193-64071	MS-01	242193-64080
MS-08	242193-64072	MS-02	242193-64081
MS-09	242193-64073	MS-03	242193-64082
MS-10	242193-64074	MS-04	242193-64083
MS-11	242193-64075	MS-05	242193-64084
MS-12	242193-64076	Working Face	242193-64085
SCV	242193-64077	Reaction	242193-64086
Chiquito Cyn Rd	242193-64078		

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 11 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242193
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16/2024
RECEIVING DATE : 09/16/2024
ANALYSIS DATE : 09/17/2024
REPORT DATE : 09/18/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242193-64070	242193-64071	242193-64072	242193-64073	242193-64074	242193-64075
Canister Dil. Fac.	1.0	1.0	1.0	1.0	1.0	1.0
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. : 242193
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16/2024
RECEIVING DATE : 09/16/2024
ANALYSIS DATE : 09/16-17/2024
REPORT DATE : 09/18/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	242193-64076	242193-64077	242193-64078	242193-64079	242193-64080	242193-64081
Canister Dil. Fac.	1.0	1.0	1.0	1.0	1.0	1.0
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. : 242193
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16/2024
RECEIVING DATE : 09/16/2024
ANALYSIS DATE : 09/17/2024
REPORT DATE : 09/18/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242193-64082	242193-64083	242193-64084	242193-64085	242193-64086
Canister Dil. Fac.	1.0	1.0	1.0	1.0	1.0
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	**0.043**
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	**0.043**

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: 9/16/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11292.45	495	97.0	1.6
Duplicate	11457.74	502	98.4	0.2
Triplicate	11684.04	512	100.4	1.8

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10068.18	497	99.0	1.5
Duplicate	10226.48	504	100.5	0.1
Triplicate	10363	511	101.9	1.4

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	14985.57	510	102.6	1.3
Duplicate	14595.19	496	99.9	1.4
Triplicate	14816	504	101.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	256.7	248.7	100.6	97.4	3.1
MeSH	<PQL	250.9	248.2	268.2	98.9	106.9	7.7
DMS	<PQL	248.5	249.8	266.1	100.5	107.1	6.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	557.2	109.2
MeSH	501.8	541.0	107.8
DMS	497.0	540.0	108.7

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/17/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11909.19	522	102.3	1.3
Duplicate	11424	501	98.1	2.8
Triplicate	11922.52	523	102.4	1.5

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10041.72	495	98.7	3.0
Duplicate	10606.49	523	104.3	2.4
Triplicate	10413	514	102.4	0.6

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	15207.48	517	104.1	0.1
Duplicate	15283.3	520	104.6	0.6
Triplicate	15068	513	103.1	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242193-64079**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242193-64079 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	260.2	256.8	102.0	100.6	1.3
MeSH	<PQL	250.9	253.4	258.9	101.0	103.2	2.2
DMS	<PQL	248.5	271.5	270.9	109.3	109.0	0.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	511.7	100.2
MeSH	501.8	501.2	99.9
DMS	497.0	518.8	104.4

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/17/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7589	0.533	104.4	0.4
Duplicate	7545	0.530	103.8	0.2
Triplicate	7543	0.530	103.7	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6280	0.524	104.3	0.3
Duplicate	6276	0.523	104.3	0.2
Triplicate	6234	0.520	103.6	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8857	0.517	104.0	0.5
Duplicate	8911	0.520	104.6	0.2
Triplicate	8925	0.521	104.8	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242193-64084**

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 **242193-64084 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.242	0.234	94.7	91.6	3.4
MeSH	<PQL	0.251	0.234	0.239	93.2	95.2	2.1
DMS	<PQL	0.249	0.241	0.242	97.0	97.4	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.503	98.4
MeSH	0.502	0.518	103.2
DMS	0.497	0.514	103.4

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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242193

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 [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					LAB USE ONLY Lab ID
MS-06	64053	9-16-24	1157	summa 1	X					
MS-07	64054		1240		X					
MS-08	64055		1416		X					
MS-09	64056		1427		X					
MS-10	64057		1053		X					
MS-11	64058		1130		X					
MS-12	64059		1404		X					
SCV	64060		1042		X					
Chiquito Cyn Rd	64061		1355		X					
S. End Lincoln	64062		1404		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: Nathaniel Downes Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date Time
Relinquished By Print: Nathaniel Downes Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date 9/16/24 Time 1548

17a 6ws

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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	Lab ID	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS
MS-01	64063	7-16-24	1234	1234	summa 1	X
MS-02	64064		1316	1316		X
MS-03	64065		1210	1210		X
MS-04	64066		1252	1252		X
MS-05	64067		1202	1202		X
Working Face	64068		1326	1326		X
Reaction	64069		1303	1303		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: Nathaniel Donales Signature: ND	Date 7/16 Time	**Received By** Print: Signature:	Date Time
Relinquished By Print: Nathaniel Donales Signature: ND	Date 7/16 Time	**Received By** Print: Signature:	Date 9/16/24 Time 1530

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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
MS-06	64070	9/14	1157	tedlar 1	X					
MS-07	64071		1340		X					
MS-08	64072		1425		X					
MS-09	64073		1427		X					
MS-10	64074		1433		X					
MS-11	64075		1130		X					
MS-12	64076		1139		X					
SCV	64077		1042		X					
Chiquito Cyn Rd	64078		1255		X					
S. End Lincoln	64079	↓	1404		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: Nathaniel Davis Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date Time	
Relinquished By Print: Nathaniel Davis Signature: ND	Date 9/16 Time	**Received By** Print: Signature:	Date 9/16/21 Time 1545	

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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-01	64080	1-16-24	1234	tedlar 1	X				
MS-02	64081		1236		X				
MS-03	64082		1240		X				
MS-04	64083		1252		X				
MS-05	64084		1222		X				
Working Face	64085		1326		X				
Reaction	64086	↓	1303		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: Nathaniel Donovan Signature: ND	Date 1/16 Time	**Received By** Print: Signature:	Date Time
Relinquished By Print: Nathaniel Donovan Signature: ND	Date 1/16 Time	**Received By** Print: Signature:	Date 1/16/24 Time 1540

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 242253
REPORT DATE	: 09/26/2024

On September 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	242253-64363	697.0	S End Lincoln	242253-64372	689.5
MS-07	242253-64364	684.5	MS-01	242253-64373	689.5
MS-08	242253-64365	686.0	MS-02	242253-64374	690.5
MS-09	242253-64366	685.5	MS-03	242253-64375	702.0
MS-10	242253-64367	707.0	MS-04	242253-64376	702.0
MS-11	242253-64368	678.5	MS-05	242253-64377	690.0
MS-12	242253-64369	683.0	Working Face	242253-64378	674.0
SCV	242253-64370	719.5	Reaction	242253-64379	674.5
Chiquito Cyn Rd	242253-64371	701.5	--	--	--

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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64363				242253-64364				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				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	1.47	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.33	<SRL	U	1	7.41	5.00
Methanol	<SRL	U	1	7.33	<SRL	U	1	7.41	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	<SRL	U	1	2.96	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acrolein	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Acetone	3.58		1	2.93	4.74		1	2.96	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	2.96	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	1.47	<SRL	U	1	1.48	1.00
TertButanol (TBA)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.96	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	1.47	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64363				242253-64364				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				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	1.47	<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
Methyl Methacrylate	<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	1.47	<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	1.47	<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
1,2,3-Trichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
α-Pinene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Chlorotoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.47	<SRL	U	1	1.48	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		93%				95%			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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64365				242253-64366				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.49				1.50				
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	1.49	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.44	<SRL	U	1	7.52	5.00
Methanol	<SRL	U	1	7.44	<SRL	U	1	7.52	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	<SRL	U	1	2.98	<SRL	U	1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Acrolein	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
Acetone	4.78		1	2.98	<SRL	U	1	3.01	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	3.01	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	1.49	<SRL	U	1	1.50	1.00
TertButanol (TBA)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.01	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	1.49	<SRL	U	1	1.50	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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64365				242253-64366				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.49				1.50				
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	1.49	<SRL	U	1	1.50	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
Methyl Methacrylate	<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	1.49	<SRL	U	1	1.50	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	1.49	<SRL	U	1	1.50	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
1,2,3-Trichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
α-Pinene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
2-Chlorotoluene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.74	<SRL	U	1	0.75	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		95%				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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64367				242253-64368				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.44				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Dimethyl Ether	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Acetaldehyde	<SRL	U	1	7.19	<SRL	U	1	7.56	5.00
Methanol	<SRL	U	1	7.19	<SRL	U	1	7.56	5.00
1,3-Butadiene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethanol	6.63		1	2.88	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Acrolein	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Acetone	5.02		1	2.88	4.64		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.88	<SRL	U	1	3.02	2.00
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
TertButanol (TBA)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.88	<SRL	U	1	3.02	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64367				242253-64368				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.44				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Methyl Methacrylate	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
Bromoform	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
α-Pinene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
2-Chlorotoluene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
n-Propylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
β-Pinene	<SRL	U	1	1.44	<SRL	U	1	1.51	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Sec-ButylBenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
n-ButylBenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Naphthalene	<SRL	U	1	0.72	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.72	<SRL	U	1	0.76	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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64369				242253-64370				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
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
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.46	<SRL	U	1	7.10	5.00
Methanol	<SRL	U	1	7.46	<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	<SRL	U	1	2.98	9.80		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Acrolein	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Acetone	4.43		1	2.98	6.86		1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.98	<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	1.49	<SRL	U	1	1.42	1.00
TertButanol (TBA)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.98	<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	1.49	<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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64369				242253-64370				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
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
Methyl Methacrylate	<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
1,2,3-Trichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
α-Pinene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
2-Chlorotoluene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.49	<SRL	U	1	1.42	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.71	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		92%				94%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64371				242253-64372				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.45				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	1.45	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.27	<SRL	U	1	7.43	5.00
Methanol	<SRL	U	1	7.27	<SRL	U	1	7.43	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	2.91	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Acrolein	<SRL	U	1	1.45	<SRL	U	1	1.49	1.00
Acetone	4.02		1	2.91	4.68		1	2.97	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	2.97	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	1.49	1.00
TertButanol (TBA)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Allyl Chloride	<SRL	U	1	1.45	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	2.91	<SRL	U	1	2.97	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	1.49	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64371				242253-64372				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.45				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	1.45	<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
Methyl Methacrylate	<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	1.49	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	1.45	<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
1,2,3-Trichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
α-Pinene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
2-Chlorotoluene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.45	<SRL	U	1	1.49	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		93%				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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64373				242253-64374				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				1.47				
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	1.47	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.37	<SRL	U	1	7.36	5.00
Methanol	<SRL	U	1	7.37	<SRL	U	1	7.36	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	3.05		1	2.95	<SRL	U	1	2.94	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Acrolein	<SRL	U	1	1.47	<SRL	U	1	1.47	1.00
Acetone	4.01		1	2.95	4.95		1	2.94	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	2.94	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	1.47	1.00
TertButanol (TBA)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.47	1.00
Carbon Disulfide	<SRL	U	1	2.95	<SRL	U	1	2.94	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	1.47	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64373				242253-64374				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				1.47				
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	1.47	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
Methyl Methacrylate	<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	1.47	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	1.47	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
1,2,3-Trichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
α-Pinene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
2-Chlorotoluene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.47	<SRL	U	1	1.47	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.74	<SRL	U	1	0.74	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		95%				96%			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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64375				242253-64376				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
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
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.22	<SRL	U	1	7.24	5.00
Methanol	<SRL	U	1	7.22	36.5		1	7.24	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	2.89	10.5		1	2.89	2.00
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Acrolein	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Acetone	3.55		1	2.89	6.56		1	2.89	2.00
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Propanol (IPA)	<SRL	U	1	2.89	<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
TertButanol (TBA)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Allyl Chloride	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
Carbon Disulfide	<SRL	U	1	2.89	<SRL	U	1	2.89	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	2.10		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	2.14		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	1.43		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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64375				242253-64376				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
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
Methyl Methacrylate	<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
1,2,3-Trichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
α-Pinene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
2-Chlorotoluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.44	<SRL	U	1	1.45	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		93%				95%			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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64377				242253-64378				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				1.51				
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	1.47	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.35	<SRL	U	1	7.55	5.00
Methanol	<SRL	U	1	7.35	<SRL	U	1	7.55	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	2.94	<SRL	U	1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Acrolein	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Acetone	3.35		1	2.94	4.68		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	3.02	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	1.47	<SRL	U	1	1.51	1.00
TertButanol (TBA)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	3.02	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	1.47	<SRL	U	1	1.51	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64377				242253-64378				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/25/2024				09/25/2024				
Can Dilution Factor	1.47				1.51				
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	1.47	<SRL	U	1	1.51	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
Methyl Methacrylate	<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	1.47	<SRL	U	1	1.51	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	1.47	<SRL	U	1	1.51	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
1,2,3-Trichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
α-Pinene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
2-Chlorotoluene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.47	<SRL	U	1	1.51	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.73	<SRL	U	1	0.76	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		95%				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 : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64379				
Date Sampled	09/23/2024				
Date Analyzed	09/25/2024				
Can Dilution Factor	1.53				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	27.9		1	1.53	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	0.50
Dimethyl Ether	45.6		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
Acetaldehyde	17.4		1	7.65	5.00
Methanol	1420		25	191	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	335		25	76.5	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acrolein	<SRL	U	1	1.53	1.00
Acetone	138		1	3.06	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	62.9		1	3.06	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	1.53	1.00
TertButanol (TBA)	3.66		1	0.77	0.50
Allyl Chloride	<SRL	U	1	1.53	1.00
Carbon Disulfide	<SRL	U	1	3.06	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)	87.0		1	1.53	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	4.56		1	0.77	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242253
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64379				
Date Sampled	09/23/2024				
Date Analyzed	09/25/2024				
Can Dilution Factor	1.53				
Compound	Result	Qualifier	Analysis DF		
Tetrahydrofuran	113		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	70.1		1	0.77	0.50
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	3.26		1	1.53	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	0.50
Methyl Methacrylate	<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)	3.96		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	9.06		1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	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	6.38		1	0.77	0.50
m & p-Xylene	6.43		1	1.53	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	2.76		1	0.77	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.77	0.50
Isopropylbenzene (Cumene)	2.72		1	0.77	0.50
α-Pinene	3.02		1	0.77	0.50
2-Chlorotoluene	<SRL	U	1	0.77	0.50
n-Propylbenzene	0.77		1	0.77	0.50
4-Ethyltoluene	2.40		1	0.77	0.50
1,3,5-Trimethylbenzene	0.96		1	0.77	0.50
β-Pinene	<SRL	U	1	1.53	1.00
1,2,4-Trimethylbenzene	3.32		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
Sec-ButylBenzene	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	0.50
n-ButylBenzene	<SRL	U	1	0.77	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	0.50
Naphthalene	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		100%			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 : 242253
MATRIX : AIR

DATE RECEIVED : 09/23/2024
DATE REPORTED : 09/26/2024
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	242253-64363	09/23/2024	09/25/2024	<SRL	U	1.47	1.0	93%
MS-07	242253-64364	09/23/2024	09/25/2024	<SRL	U	1.48	1.0	95%
MS-08	242253-64365	09/23/2024	09/25/2024	<SRL	U	1.49	1.0	95%
MS-09	242253-64366	09/23/2024	09/25/2024	<SRL	U	1.50	1.0	93%
MS-10	242253-64367	09/23/2024	09/25/2024	<SRL	U	1.44	1.0	92%
MS-11	242253-64368	09/23/2024	09/25/2024	<SRL	U	1.51	1.0	94%
MS-12	242253-64369	09/23/2024	09/25/2024	<SRL	U	1.49	1.0	92%
SCV	242253-64370	09/23/2024	09/25/2024	<SRL	U	1.42	1.0	94%
Chiquito Cyn Rd	242253-64371	09/23/2024	09/25/2024	<SRL	U	1.45	1.0	93%
S End Lincoln	242253-64372	09/23/2024	09/25/2024	<SRL	U	1.49	1.0	93%
MS-01	242253-64373	09/23/2024	09/25/2024	<SRL	U	1.47	1.0	95%
MS-02	242253-64374	09/23/2024	09/25/2024	<SRL	U	1.47	1.0	96%
MS-03	242253-64375	09/23/2024	09/25/2024	<SRL	U	1.44	1.0	93%
MS-04	242253-64376	09/23/2024	09/25/2024	<SRL	U	1.45	1.0	95%
MS-05	242253-64377	09/23/2024	09/25/2024	<SRL	U	1.47	1.0	95%
Working Face	242253-64378	09/23/2024	09/25/2024	<SRL	U	1.51	1.0	93%
Reaction	242253-64379	09/23/2024	09/25/2024	<SRL	U	1.53	1.0	100%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%

RL - Reporting Limit

U - Compound was not detected at or above the Sample RL.

Note: DMS co-elutes with Ethanol, high EtOH concentrations can interfere with TIC search and quantitation.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/25/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.63	102
Chlorodifluoromethane	10.20	9.82	96
Propene	10.70	9.97	93
Dichlorodifluoromethane	10.40	10.34	99
Dimethyl Ether	10.10	9.50	94
Chloromethane	10.50	9.68	92
Dichlorotetrafluoroethane	10.20	9.71	95
Vinyl Chloride	10.60	10.84	102
Acetaldehyde	20.90	20.63	99
Methanol	20.40	18.79	92
1,3-Butadiene	10.70	11.07	103
Bromomethane	10.40	9.89	95
Chloroethane	10.40	9.43	91
Dichlorofluoromethane	10.10	9.60	95
Ethanol	11.40	9.40	82
Vinyl Bromide	10.10	10.23	101
Acrolein	10.90	10.97	101
Acetone	10.60	9.81	93
Trichlorofluoromethane	10.50	9.97	95
2-Propanol (IPA)	11.00	8.17	74
Acrylonitrile	11.10	9.94	90
1,1-Dichloroethene	10.50	10.52	100
Methylene Chloride (DCM)	10.40	9.99	96
TertButanol (TBA)	11.20	11.35	101
Allyl Chloride	10.20	10.43	102
Carbon Disulfide	10.50	11.65	111
Trichlorotrifluoroethane	10.30	9.69	94
trans-1,2-Dichloroethene	10.80	11.39	105
1,1-Dichloroethane	10.70	10.44	98
Methyl Tert Butyl Ether (MTBE)	10.70	10.89	102
Vinyl Acetate	11.00	12.41	113
2-Butanone (MEK)	10.70	10.28	96
cis-1,2-Dichloroethene	10.70	10.70	100
Hexane	10.80	10.75	100
Chloroform	10.70	10.74	100
Ethyl Acetate	10.70	10.93	102
Tetrahydrofuran	10.40	9.67	93
1,2-Dichloroethane	10.60	10.24	97
1,1,1-Trichloroethane	10.50	10.48	100
Benzene	10.70	10.83	101
Carbon Tetrachloride	10.30	10.77	105
Cyclohexane	10.50	10.16	97

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.80	101
Bromodichloromethane	10.50	11.31	108
1,4-Dioxane	10.50	10.29	98
Trichloroethene (TCE)	10.50	10.31	98
2,2,4-Trimethylpentane	10.10	9.96	99
Methyl Methacrylate	11.00	10.78	98
Heptane	10.50	10.39	99
cis-1,3-Dichloropropene	10.50	11.18	106
4-Methyl-2-pentanone (MiBK)	10.50	10.30	98
trans-1,3-Dichloropropene	10.60	11.26	106
1,1,2-Trichloroethane	10.60	9.50	90
Toluene	10.80	10.56	98
2-Hexanone (MBK)	10.50	10.93	104
Dibromochloromethane	10.60	11.35	107
1,2-Dibromoethane	10.60	10.86	102
Tetrachloroethene (PCE)	10.50	9.93	95
Chlorobenzene	10.80	10.36	96
Ethylbenzene	10.60	10.38	98
m & p-Xylene	21.20	20.02	94
Bromoform	10.60	10.99	104
Styrene	10.60	10.69	101
1,1,2,2-Tetrachloroethane	10.60	10.23	97
o-Xylene	10.60	10.40	98
1,2,3-Trichloropropane	11.00	10.96	100
Isopropylbenzene (Cumene)	10.40	10.19	98
α-Pinene	10.80	10.41	96
2-Chlorotoluene	10.30	10.15	99
n-Propylbenzene	10.10	9.92	98
4-Ethyltoluene	10.40	9.64	93
1,3,5-Trimethylbenzene	10.30	9.87	96
β-Pinene	10.90	9.53	87
1,2,4-Trimethylbenzene	10.30	9.88	96
Benzyl Chloride (a-Chlorotoluene)	10.30	10.20	99
1,3-Dichlorobenzene	10.30	10.34	100
1,4-Dichlorobenzene	10.20	12.06	118
Sec-ButylBenzene	10.00	9.86	99
1,2-Dichlorobenzene	10.40	10.03	96
n-ButylBenzene	10.20	9.56	94
1,2-Dibromo-3-Chloropropane	10.10	10.12	100
1,2,4-Trichlorobenzene	10.50	10.41	99
Naphthalene	10.90	10.92	100
Hexachlorobutadiene	10.80	9.41	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 : 09/25/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.63	9.22	102	98	4.4
1,1-Dichloroethene	0.0	10.50	10.52	10.33	100	98	1.8
Methylene Chloride (DCM)	0.0	10.40	9.99	9.85	96	95	1.4
Benzene	0.0	10.70	10.83	11.01	101	103	1.6
Trichloroethene (TCE)	0.0	10.50	10.31	10.52	98	100	2.0
Toluene	0.0	10.80	10.56	11.08	98	103	4.8
Tetrachloroethene (PCE)	0.0	10.50	9.93	10.40	95	99	4.6
Chlorobenzene	0.0	10.80	10.36	10.22	96	95	1.4
Ethylbenzene	0.0	10.60	10.38	10.39	98	98	0.1
m & p-Xylene	0.0	21.20	20.02	19.86	94	94	0.8
o-Xylene	0.0	10.60	10.40	10.37	98	98	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%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/25/2024
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 092524*	*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 092524*	*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 : 09/25/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.53

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242253-64379

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.27	9.34	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	31.0	33.2	6.8
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	13.4	13.8	3.3
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)

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242253

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 [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: Nathaniel Davalos
Signature: ND

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~~	Analysis Requested: TO-15 Expanded List + DMS				LAB USE ONLY: Lab ID
MS-06	64363	9-23-24	1212	summa 1		X				
MS-07	64364		1400			X				
MS-08	64365		1429			X				
MS-09	64366		1440			X				
MS-10	64367		1130			X				
MS-11	64368		1152			X				
MS-12	64369		1421			X				
SCV	64370		1118			X				
Chiquito Cyn Rd	64371		1407			X				
S. End Lincoln	64372		1415			X				

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY:
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date / Time	**Received By** Print: Signature:	Date 9/23/24 Time 552
Relinquished By Print: Signature:	Date / Time	**Received By** Print: Signature:	Date / Time

x17 Canv (LL)

241253

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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: Nathaniel Davalos
Signature: ND

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~~	Analysis Requested: TO-15 Expanded List + DMS				LAB USE ONLY: Lab ID
MS-01	64373	9-23-24	1254	summa 1		X				
MS-02	64374		1329			X				
MS-03	64375		1222			X				
MS-04	64376 ~~64356~~	9/23/24	1308			X				
MS-05	64377		1237			X				
Working Face	64378		1340			X				
Reaction	64379		1318			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: Nathaniel Davalos Signature: ND	Date / Time	**Received By** Print: Signature:	Date 9/23/24 Time 1552
Relinquished By Print: Signature:	Date / Time	**Received By** Print: Signature:	Date / Time

242253

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	64380	9-23-24	1212	tedlar 1	X				
MS-07	64381		1400		X				
MS-08	64382		1429		X				
MS-09	64383		~~1435~~ 1440		X				
MS-10	64384		1130		X				
MS-11	64385		1152		X				
MS-12	64386		1421		X				
SCV	64387		1118		X				
Chiquito Cyn Rd	64388		1407		X				
S. End Lincoln	64389		1415		X				

LAB USE ONLY

Lab ID	Sample Received via:
	☐ FedEx
	☐ UPS
	☐ Courier
	☐ Other
	Temperature °C
	Thermometer ID
	Initials
	Received Intact
	Total Containers
	Unused Containers
	Flow Controller

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/23 Time	**Received By** Print: Signature:	Date 9/23/24 Time 1552
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242253

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AAC Project No.:

Client/Company Name
SCS ENGINEERS

Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]

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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01	64390	9-23-24	1254	tedlar 1	X				
MS-02	64391		1329		X				
MS-03	64392		1222		X				
MS-04	64393		1308		X				
MS-05	64394		1237		X				
Working Face	64395		1340		X				
Reaction	64396		1318		X				

LAB USE ONLY
Lab ID
Sample Received via
☐ FedEx
☐ UPS
☐ Courier
☐ Other
Temperature
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: Nathaniel Davalos Signature: ND	Date 9/23 Time	**Received By** Print: Signature:	Date 9/23/24 Time 1552
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

Atmospheric Analysis & Consulting, Inc.

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita
PROJECT NUMBER	: 0120123.21 TASK 22
AAC PROJECT NO.	: 242253
REPORT DATE	: 09/25/2024

On September 23rd 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	242253-64380	S. End Lincoln	242253-64389
MS-07	242253-64381	MS-01	242253-64390
MS-08	242253-64382	MS-02	242253-64391
MS-09	242253-64383	MS-03	242253-64392
MS-10	242253-64384	MS-04	242253-64393
MS-11	242253-64385	MS-05	242253-64394
MS-12	242253-64386	Working Face	242253-64395
SCV	242253-64387	Reaction	242253-64396
Chiquito Cyn Rd	242253-64388		

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 11 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242253
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23/2024
RECEIVING DATE : 09/23/2024
ANALYSIS DATE : 09/23-24/2024
REPORT DATE : 09/25/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242253-64380	242253-64381	242253-64382	242253-64383	242253-64384	242253-64385
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242253
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23/2024
RECEIVING DATE : 09/23/2024
ANALYSIS DATE : 09/23-24/2024
REPORT DATE : 09/25/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	242253-64386	242253-64387	242253-64388	242253-64389	242253-64390	242253-64391
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242253
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23/2024
RECEIVING DATE : 09/23/2024
ANALYSIS DATE : 09/24/2024
REPORT DATE : 09/25/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242253-64392	242253-64393	242253-64394	242253-64395	242253-64396
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	**0.100**
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	**0.007**
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	**0.009**
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.116**

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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/23/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7327	0.515	100.8	0.1
Duplicate	7515	0.528	103.4	2.5
Triplicate	7153	0.503	98.4	2.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6120	0.510	101.7	0.0
Duplicate	6244	0.521	103.7	2.0
Triplicate	5997	0.500	99.6	2.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8822	0.515	103.6	0.7
Duplicate	8894	0.519	104.4	1.5
Triplicate	8577	0.501	100.7	2.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.278	0.278	108.8	108.8	0.0
MeSH	<PQL	0.251	0.272	0.276	108.4	110.0	1.5
DMS	<PQL	0.249	0.272	0.273	109.5	109.9	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.561	109.8
MeSH	0.502	0.545	108.6
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

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/24/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7262	0.510	99.9	2.1
Duplicate	7405	0.520	101.8	0.2
Triplicate	7585	0.533	104.3	2.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6269	0.523	104.2	0.6
Duplicate	6153	0.513	102.2	1.3
Triplicate	6280	0.524	104.3	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8874	0.518	104.2	0.4
Duplicate	8767	0.512	103.0	0.9
Triplicate	8888	0.519	104.4	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242253-64393**

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 **242253-64393 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.231	0.232	90.4	90.8	0.4
MeSH	<PQL	0.251	0.226	0.231	90.0	92.0	2.2
DMS	<PQL	0.249	0.240	0.241	96.6	97.0	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.511	101.8
DMS	0.497	0.517	104.0

**** 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: 9/24/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11804.03	518	101.4	0.1
Duplicate	11773.58	516	101.1	0.4
Triplicate	11873.76	521	102.0	0.5

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10403.74	513	102.3	0.5
Duplicate	10392.87	513	102.2	0.6
Triplicate	10558	521	103.8	1.0

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	14998.3	510	102.7	0.1
Duplicate	14829.92	504	101.5	1.2
Triplicate	15194	517	104.0	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242253-64388**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242253-64388 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	262.5	254.4	102.8	99.7	3.1
MeSH	<PQL	250.9	246.3	259.4	98.2	103.4	5.2
DMS	<PQL	248.5	266.3	273.3	107.2	110.0	2.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	512.1	100.3
MeSH	501.8	501.6	100.0
DMS	497.0	515.2	103.7

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

242253

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 [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: Nathanica Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06	64350	9-23-24	1212	tedlar 1	X				
MS-07	64381		1400		X				
MS-08	64382		1429		X				
MS-09	64353		~~1440~~		X				
MS-10	64384		1130		X				
MS-11	64385		1152		X				
MS-12	64386		1421		X				
SCV	64387		1113		X				
Chiquito Cyn Rd	64388		1407		X				
S. End Lincoln	64389		1415		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: Nathanica Davalos Signature: ND	Date 9/23 Time	**Received By** Print: Signature:	Date 9/23/24 Time 1552	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

242253

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] **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:** Nathanica Davalos **Signature:** ND

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	64390	9-23-24	1254	tedlar 1	X					
MS-02	64391		1329		X					
MS-03	64392		1222		X					
MS-04	64393		1308		X					
MS-05	64394		1237		X					
Working Face	64395		1340		X					
Reaction	64396		1318		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: Nathanica Davalos Signature: ND	**Date** 9/23 **Time**	**Received By** Print: Signature:	**Date** 9/23/24 **Time** 1552
Relinquished By Print: Signature:	**Date** **Time**	**Received By** Print: Signature:	**Date** **Time**

241253

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]

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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + EDB	TO-15 Extended List + Dis			
MS-01	64373	9-23-24	1254	summa 1		X			
MS-02	64374		1329			X			
MS-03	64375		1222			X			
MS-04	64376 ~~64376~~	9/23/24	1308			X			
MS-05	64377		1237			X			
Working Face	64378		1340			X			
Reaction	64379		1318			X			

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

Send Invoice To (Name/Email/Address)

PO Number

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: Nathaniel Davalos Signature: ND	**Date** / **Time**	**Received By** Print: Signature:	**Date** 9/23/24 **Time** 1552
Relinquished By Print: Signature:	**Date** / **Time**	**Received By** Print: Signature:	**Date** / **Time**

242253

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 [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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	~~TO-15 FULL LIST + DMS~~	TO-15 Extended List + DMS				LAB USE ONLY Lab ID
MS-06	64363	9-23-24	1212	summa 1		X				
MS-07	64364		1400			X				
MS-08	64365		1429			X				
MS-09	64366		1440			X				
MS-10	64367		1130			X				
MS-11	64368		1152			X				
MS-12	64369		1421			X				
SCV	64370		1118			X				
Chiquito Cyn Rd	64371		1407			X				
S. End Lincoln	64372		1415			X				

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

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

Relinquished By Print: Nathaniel Davalos Signature: ND	Date / Time	**Received By** Print: Signature:	Date 9/23/24 Time 552
Relinquished By Print: Signature:	Date / Time	**Received By** Print: Signature:	Date / Time

x 17 Canr (LL)

Atmospheric Analysis & Consulting, Inc

CLIENT	: SCS Engineers
PROJECT NAME	: Chiquita ON/OFF
PROJECT NO.	: 01204123.21 TASK 22
AAC PROJECT NO.	: 242313
REPORT DATE	: 10/03/2024

On September 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	242313-64638	680.1	S End Lincoln	242313-64647	673.5
MS-07	242313-64639	677.0	MS-01	242313-64648	673.5
MS-08	242313-64640	667.5	MS-02	242313-64649	660.0
MS-09	242313-64641	676.0	MS-03	242313-64650	680.0
MS-10	242313-64642	679.0	MS-04	242313-64651	668.0
MS-11	242313-64643	666.0	MS-05	242313-64652	680.5
MS-12	242313-64644	670.0	Working Face	242313-64653	669.0
SCV	242313-64645	683.5	Reaction	242313-64654	666.5
Chiquito Cyn Rd	242313-64646	680.0	--	--	--

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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64638				242313-64639				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.49				1.50				
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	1.49	<SRL	U	1	1.50	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.46	<SRL	U	1	7.51	5.00
Methanol	<SRL	U	1	7.46	<SRL	U	1	7.51	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	<SRL	U	1	3.01	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Acrolein	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
Acetone	4.21		1	2.99	<SRL	U	1	3.01	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	3.01	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	1.49	<SRL	U	1	1.50	1.00
TertButanol (TBA)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.01	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	1.49	<SRL	U	1	1.50	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

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64638				242313-64639				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.49				1.50				
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	1.49	<SRL	U	1	1.50	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
Methyl Methacrylate	<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	1.49	<SRL	U	1	1.50	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	1.49	<SRL	U	1	1.50	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
1,2,3-Trichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
α-Pinene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
2-Chlorotoluene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.49	<SRL	U	1	1.50	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.75	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		95%				96%			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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64640				242313-64641				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.51				
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	1.52	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Dimethyl Ether	<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
Acetaldehyde	<SRL	U	1	7.61	<SRL	U	1	7.55	5.00
Methanol	<SRL	U	1	7.61	<SRL	U	1	7.55	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	<SRL	U	1	3.04	3.11		1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Acrolein	<SRL	U	1	1.52	<SRL	U	1	1.51	1.00
Acetone	3.21		1	3.04	3.99		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	3.02	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	1.52	<SRL	U	1	1.51	1.00
TertButanol (TBA)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	3.02	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	1.52	<SRL	U	1	1.51	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64640				242313-64641				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.51				
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	1.52	<SRL	U	1	1.51	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
Methyl Methacrylate	<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	1.52	<SRL	U	1	1.51	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	1.52	<SRL	U	1	1.51	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
1,2,3-Trichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
α-Pinene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
2-Chlorotoluene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.52	<SRL	U	1	1.51	1.00
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
Sec-ButylBenzene	<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
n-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.75	0.50
1,2-Dibromo-3-Chloropropane	<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
Naphthalene	<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		95%				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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64642				242313-64643				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.50				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Propene	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Dimethyl Ether	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Acetaldehyde	<SRL	U	1	7.51	<SRL	U	1	7.70	5.00
Methanol	<SRL	U	1	7.51	<SRL	U	1	7.70	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethanol	<SRL	U	1	3.00	3.11		1	3.08	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Acrolein	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Acetone	3.98		1	3.00	4.17		1	3.08	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.00	<SRL	U	1	3.08	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
TertButanol (TBA)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Allyl Chloride	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Carbon Disulfide	<SRL	U	1	3.00	<SRL	U	1	3.08	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Butanone (MEK)	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64642				242313-64643				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.50				1.54				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,4-Dioxane	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Methyl Methacrylate	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Hexanone (MBK)	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
m & p-Xylene	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
α-Pinene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
2-Chlorotoluene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
n-Propylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
β-Pinene	<SRL	U	1	1.50	<SRL	U	1	1.54	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Sec-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
n-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Naphthalene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64644				242313-64645				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dimethyl Ether	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Acetaldehyde	<SRL	U	1	7.60	<SRL	U	1	7.44	5.00
Methanol	<SRL	U	1	7.60	<SRL	U	1	7.44	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.04	<SRL	U	1	2.97	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Acrolein	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Acetone	<SRL	U	1	3.04	4.49		1	2.97	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.04	<SRL	U	1	2.97	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
TertButanol (TBA)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Carbon Disulfide	<SRL	U	1	3.04	<SRL	U	1	2.97	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.76	<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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64644				242313-64645				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.49				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Methyl Methacrylate	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
α-Pinene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
2-Chlorotoluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
n-Propylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
β-Pinene	<SRL	U	1	1.52	<SRL	U	1	1.49	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Sec-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
n-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Naphthalene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		93%				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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64646				242313-64647				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.49				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Dichlorodifluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Dimethyl Ether	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Acetaldehyde	<SRL	U	1	7.46	<SRL	U	1	7.62	5.00
Methanol	<SRL	U	1	7.46	<SRL	U	1	7.62	5.00
1,3-Butadiene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	2.99	<SRL	U	1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Acrolein	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Acetone	3.79		1	2.99	3.05		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.99	<SRL	U	1	3.05	2.00
Acrylonitrile	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
TertButanol (TBA)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Carbon Disulfide	<SRL	U	1	2.99	<SRL	U	1	3.05	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64646				242313-64647				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.49				1.52				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Trichloroethene (TCE)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Methyl Methacrylate	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Dibromochloromethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
Bromoform	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
α-Pinene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
2-Chlorotoluene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
n-Propylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
β-Pinene	<SRL	U	1	1.49	<SRL	U	1	1.52	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Sec-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
n-ButylBenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Naphthalene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.75	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		92%				94%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64648				242313-64649				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Dimethyl Ether	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Acetaldehyde	<SRL	U	1	7.61	<SRL	U	1	7.88	5.00
Methanol	<SRL	U	1	7.61	<SRL	U	1	7.88	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethanol	<SRL	U	1	3.05	<SRL	U	1	3.15	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Acrolein	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Acetone	4.02		1	3.05	4.43		1	3.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.05	<SRL	U	1	3.15	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
TertButanol (TBA)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Carbon Disulfide	<SRL	U	1	3.05	<SRL	U	1	3.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64648				242313-64649				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methyl Methacrylate	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
α-Pinene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Chlorotoluene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
n-Propylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
β-Pinene	<SRL	U	1	1.52	<SRL	U	1	1.58	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Sec-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
n-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Naphthalene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		95%				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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64650				242313-64651				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dimethyl Ether	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acetaldehyde	<SRL	U	1	7.58	<SRL	U	1	7.80	5.00
Methanol	<SRL	U	1	7.58	8.03		1	7.80	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.03	7.64		1	3.12	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acrolein	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Acetone	6.11		1	3.03	5.11		1	3.12	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.12	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
TertButanol (TBA)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.12	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.76	2.29		1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.76	2.29		1	0.78	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64650				242313-64651				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.52				1.56				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Methacrylate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
α-Pinene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Chlorotoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
n-Propylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
β-Pinene	<SRL	U	1	1.52	<SRL	U	1	1.56	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Sec-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
n-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Naphthalene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		93%				95%			70-130%

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64652				242313-64653				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.53				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dimethyl Ether	<SRL	U	1	0.76	26.7		1	0.78	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acetaldehyde	<SRL	U	1	7.65	23.2		1	7.75	5.00
Methanol	<SRL	U	1	7.65	99.8		1	7.75	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.06	747		20	62.0	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acrolein	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Acetone	4.39		1	3.06	83.2		1	3.10	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	3.57		1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	42.4		1	3.10	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.53	2.19		1	1.55	1.00
TertButanol (TBA)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Carbon Disulfide	<SRL	U	1	3.06	<SRL	U	1	3.10	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.53	7.71		1	1.55	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.76	1.29		1	0.78	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.76	13.9		1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.76	1.02		1	0.78	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64652				242313-64653				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/01/2024				10/01/2024				
Can Dilution Factor	1.53				1.55				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.76	1.61		1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Methacrylate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.76	2.34		1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.76	5.10		1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.55	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.53	3.78		1	1.55	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.76	1.07		1	0.78	0.50
1,2,3-Trichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
α-Pinene	<SRL	U	1	0.76	4.85		1	0.78	0.50
2-Chlorotoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
n-Propylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
β-Pinene	<SRL	U	1	1.53	2.31		1	1.55	1.00
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Sec-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
n-ButylBenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Naphthalene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		93%				99%			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 : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64654				
Date Sampled	09/30/2024				
Date Analyzed	10/01/2024				
Can Dilution Factor	1.53				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	0.50
Propene	5.03		1	1.53	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	0.50
Dimethyl Ether	5.28		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
Acetaldehyde	7.93		1	7.65	5.00
Methanol	8.69		1	7.65	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	5.69		1	3.06	2.00
Vinyl Bromide	<SRL	U	1	0.77	0.50
Acrolein	<SRL	U	1	1.53	1.00
Acetone	6.08		1	3.06	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	0.50
2-Propanol (IPA)	<SRL	U	1	3.06	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	1.53	1.00
TertButanol (TBA)	<SRL	U	1	0.77	0.50
Allyl Chloride	<SRL	U	1	1.53	1.00
Carbon Disulfide	<SRL	U	1	3.06	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	1.53	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242313
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64654				
Date Sampled	09/30/2024				
Date Analyzed	10/01/2024				
Can Dilution Factor	1.53				
Compound	Result	Qualifier	Analysis DF		
Tetrahydrofuran	1.24		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	3.28		1	0.77	0.50
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	1.53	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	0.50
Methyl Methacrylate	<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	1.53	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	1.53	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
1,2,3-Trichloropropane	<SRL	U	1	0.77	0.50
Isopropylbenzene (Cumene)	<SRL	U	1	0.77	0.50
α-Pinene	<SRL	U	1	0.77	0.50
2-Chlorotoluene	<SRL	U	1	0.77	0.50
n-Propylbenzene	<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
β-Pinene	<SRL	U	1	1.53	1.00
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
Sec-ButylBenzene	<SRL	U	1	0.77	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	0.50
n-ButylBenzene	<SRL	U	1	0.77	0.50
1,2-Dibromo-3-Chloropropane	<SRL	U	1	0.77	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	0.50
Naphthalene	<SRL	U	1	0.77	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	0.50
BFB-Surrogate Std. % Recovery		94%			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 : 242313
MATRIX : AIR

DATE RECEIVED : 09/30/2024
DATE REPORTED : 10/03/2024
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	242313-64638	09/30/2024	10/01/2024	<SRL	U	1.49	1.0	95%
MS-07	242313-64639	09/30/2024	10/01/2024	<SRL	U	1.50	1.0	96%
MS-08	242313-64640	09/30/2024	10/01/2024	<SRL	U	1.52	1.0	95%
MS-09	242313-64641	09/30/2024	10/01/2024	<SRL	U	1.51	1.0	94%
MS-10	242313-64642	09/30/2024	10/01/2024	<SRL	U	1.50	1.0	93%
MS-11	242313-64643	09/30/2024	10/01/2024	<SRL	U	1.54	1.0	94%
MS-12	242313-64644	09/30/2024	10/01/2024	<SRL	U	1.52	1.0	93%
SCV	242313-64645	09/30/2024	10/01/2024	<SRL	U	1.49	1.0	94%
Chiquito Cyn Rd	242313-64646	09/30/2024	10/01/2024	<SRL	U	1.49	1.0	92%
S End Lincoln	242313-64647	09/30/2024	10/01/2024	<SRL	U	1.52	1.0	94%
MS-01	242313-64648	09/30/2024	10/01/2024	<SRL	U	1.52	1.0	95%
MS-02	242313-64649	09/30/2024	10/01/2024	<SRL	U	1.58	1.0	92%
MS-03	242313-64650	09/30/2024	10/01/2024	<SRL	U	1.52	1.0	93%
MS-04	242313-64651	09/30/2024	10/01/2024	<SRL	U	1.56	1.0	95%
MS-05	242313-64652	09/30/2024	10/01/2024	<SRL	U	1.53	1.0	93%
Working Face	242313-64653	09/30/2024	10/01/2024	<SRL	U	1.55	1.0	99%
Reaction	242313-64654	09/30/2024	10/01/2024	<SRL	U	1.53	1.0	94%

* Acceptable range for BFB-Surrogate Std. % Recovery is 70-130%

RL - Reporting Limit

U - Compound was not detected at or above the Sample RL.

Note: DMS co-elutes with Ethanol, high EtOH concentrations can interfere with TIC search and quantitation.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/01/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.65	103
Chlorodifluoromethane	10.20	10.37	102
Propene	10.70	10.46	98
Dichlorodifluoromethane	10.40	10.83	104
Dimethyl Ether	10.10	9.99	99
Chloromethane	10.50	10.56	101
Dichlorotetrafluoroethane	10.20	9.98	98
Vinyl Chloride	10.60	11.31	107
Acetaldehyde	20.90	21.98	105
Methanol	20.40	20.56	101
1,3-Butadiene	10.70	11.32	106
Bromomethane	10.40	10.20	98
Chloroethane	10.40	9.73	94
Dichlorofluoromethane	10.10	10.23	101
Ethanol	11.40	9.26	81
Vinyl Bromide	10.10	10.22	101
Acrolein	10.90	11.89	109
Acetone	10.60	10.26	97
Trichlorofluoromethane	10.50	10.33	98
2-Propanol (IPA)	11.00	9.56	87
Acrylonitrile	11.10	10.95	99
1,1-Dichloroethene	10.50	10.30	98
Methylene Chloride (DCM)	10.40	9.97	96
TertButanol (TBA)	11.20	12.35	110
Allyl Chloride	10.20	10.91	107
Carbon Disulfide	10.50	11.81	112
Trichlorotrifluoroethane	10.30	9.96	97
trans-1,2-Dichloroethene	10.80	11.55	107
1,1-Dichloroethane	10.70	10.96	102
Methyl Tert Butyl Ether (MTBE)	10.70	10.94	102
Vinyl Acetate	11.00	13.47	122
2-Butanone (MEK)	10.70	10.97	103
cis-1,2-Dichloroethene	10.70	10.97	103
Hexane	10.80	10.10	94
Chloroform	10.70	11.28	105
Ethyl Acetate	10.70	11.65	109
Tetrahydrofuran	10.40	10.51	101
1,2-Dichloroethane	10.60	10.91	103
1,1,1-Trichloroethane	10.50	11.08	106
Benzene	10.70	11.17	104
Carbon Tetrachloride	10.30	11.31	110
Cyclohexane	10.50	10.00	95

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.31	106
Bromodichloromethane	10.50	11.74	112
1,4-Dioxane	10.50	10.30	98
Trichloroethene (TCE)	10.50	10.68	102
2,2,4-Trimethylpentane	10.10	10.23	101
Methyl Methacrylate	11.00	11.86	108
Heptane	10.50	10.47	100
cis-1,3-Dichloropropene	10.50	11.57	110
4-Methyl-2-pentanone (MiBK)	10.50	10.94	104
trans-1,3-Dichloropropene	10.60	11.67	110
1,1,2-Trichloroethane	10.60	9.68	91
Toluene	10.80	10.86	101
2-Hexanone (MBK)	10.50	11.45	109
Dibromochloromethane	10.60	11.82	112
1,2-Dibromoethane	10.60	11.24	106
Tetrachloroethene (PCE)	10.50	10.28	98
Chlorobenzene	10.80	10.25	95
Ethylbenzene	10.60	10.54	99
m & p-Xylene	21.20	20.18	95
Bromoform	10.60	11.22	106
Styrene	10.60	10.71	101
1,1,2,2-Tetrachloroethane	10.60	10.73	101
o-Xylene	10.60	10.49	99
1,2,3-Trichloropropane	11.00	11.34	103
Isopropylbenzene (Cumene)	10.40	10.33	99
α-Pinene	10.80	10.38	96
2-Chlorotoluene	10.30	10.40	101
n-Propylbenzene	10.10	10.03	99
4-Ethyltoluene	10.40	9.87	95
1,3,5-Trimethylbenzene	10.30	10.12	98
β-Pinene	10.90	9.07	83
1,2,4-Trimethylbenzene	10.30	9.91	96
Benzyl Chloride (a-Chlorotoluene)	10.30	10.25	100
1,3-Dichlorobenzene	10.30	9.93	96
1,4-Dichlorobenzene	10.20	9.92	97
Sec-ButylBenzene	10.00	10.12	101
1,2-Dichlorobenzene	10.40	10.18	98
n-ButylBenzene	10.20	9.67	95
1,2-Dibromo-3-Chloropropane	10.10	10.34	102
1,2,4-Trichlorobenzene	10.50	10.40	99
Naphthalene	10.90	10.91	100
Hexachlorobutadiene	10.80	9.74	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 : 10/01/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.65	9.38	103	100	2.8
1,1-Dichloroethene	0.0	10.50	10.30	10.50	98	100	1.9
Methylene Chloride (DCM)	0.0	10.40	9.97	9.83	96	95	1.4
Benzene	0.0	10.70	11.17	10.98	104	103	1.7
Trichloroethene (TCE)	0.0	10.50	10.68	10.56	102	101	1.1
Toluene	0.0	10.80	10.86	11.06	101	102	1.8
Tetrachloroethene (PCE)	0.0	10.50	10.28	10.70	98	102	4.0
Chlorobenzene	0.0	10.80	10.25	10.46	95	97	2.0
Ethylbenzene	0.0	10.60	10.54	10.40	99	98	1.3
m & p-Xylene	0.0	21.20	20.18	20.32	95	96	0.7
o-Xylene	0.0	10.60	10.49	10.46	99	99	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%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/01/2024
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 100124*	*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 100124*	*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 : 10/01/2024
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: 242313-64654

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.83	9.28	5.0
Chlorodifluoromethane	<SRL	<SRL	*NA*
Propene	5.10	5.43	6.2
Dichlorodifluoromethane	<SRL	<SRL	*NA*
Dimethyl Ether	5.35	5.38	0.6
Chloromethane	<SRL	<SRL	*NA*
Dichlorotetrafluoroethane	<SRL	<SRL	*NA*
Vinyl Chloride	<SRL	<SRL	*NA*
Acetaldehyde	8.03	8.56	6.4
Methanol J	4.81	4.54	5.6
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	5.77	5.44	5.8
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	6.16	5.97	3.1
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	1.26	1.38	9.4
1,2-Dichloroethane	<SRL	<SRL	*NA*
1,1,1-Trichloroethane	<SRL	<SRL	*NA*
Benzene	3.32	3.44	3.7
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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242313

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 [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: Nathaniel Davalos
Signature: ND

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	TO-15 Extended List + DMS				Lab ID
MS-06 64638		9-30-24	1215	summa 1		X				
MS-07 64639			1401			X				
MS-08 64640			1433			X				
MS-09 64641			1444			X				
MS-10 64642			1137			X				
MS-11 64643			1156			X				
MS-12 64644			1425			X				
SCV 64645			1127			X				
Chiquito Cyn Rd 64646			1411			X				
S. End Lincoln 64647			1419			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: Nathaniel Davalos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/24 Time 1607	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

D/O - 17+ clean silos

242313

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AAC Project No.:

Client/Company Name
SCS ENGINEERS
Project Manager Name
PAUL SCHAFER

Project Name
CHIQUITA [ON]
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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +DMS	TO-15 Expanded List + DMS			
MS-01 64648		9-30-21	1254	summa 1		X			
MS-02 64649			1345			X			
MS-03 64650			1230			X			
MS-04 64651			1319			X			
MS-05 64652			1244			X			
Working Face 64653			1308			X			
Reaction 64654			1334			X			

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

Client Notes/Special Instructions:

EDD?
☐ Yes
☐ No

LAB USE ONLY
Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/21 Time 1600
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242313

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 [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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR
MS-06 64655		9-30-24	1215	tedlar 1	X
MS-07 64656			1401		X
MS-08 64657			1433		X
MS-09 64658			1444		X
MS-10 64659			1537		X
MS-11 64660			1156		X
MS-12 64661			1425		X
SCV 64662			1127		X
Chiquito Cyn Rd 64663			1411		X
S. End Lincoln 64664			1417		X

LAB USE ONLY
Lab ID
Sample Received Via: ☐FedEx ☐UPS ☐Courier ☐Other
Temperature °C
Thermometer ID
Initials
Estimated Start
Total Cans
Unused Cans
Flow Controllers

Client Notes/Special Instructions:

EDD? ☐Yes ☐No

LAB USE ONLY Notes:

Relinquished By Print: Nathaniel Davalos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/24 Time 1600	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

242313

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]

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: Nathaniel Donaos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-01 C.m 9/30/24 64666	64665	9-30-21	1254	tedlar 1	X				
MS-02 C.m 9/30/24 64667	64666		1345		X				
MS-03 C.m 9/30/24 64668	64667		1230		X				
MS-04 C.m 9/30/24 64669	64668		1319		X				
MS-05 C.m 9/30/24 64670	64669		1244		X				
Working Face	64670		1308		X				
Reaction	64671		1334		X				

LAB USE ONLY
Lab ID
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: Nathaniel Donaos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/21 Time 1602
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.	: 242313
REPORT DATE	: 10/02/2024

On September 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	242313-64655	S. End Lincoln	242313-64664
MS-07	242313-64656	MS-01	242313-64665
MS-08	242313-64657	MS-02	242313-64666
MS-09	242313-64658	MS-03	242313-64667
MS-10	242313-64659	MS-04	242313-64668
MS-11	242313-64660	MS-05	242313-64669
MS-12	242313-64661	Working Face	242313-64670
SCV	242313-64662	Reaction	242313-64671
Chiquito Cyn Rd	242313-64663		

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 12 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242313
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30/2024
RECEIVING DATE : 09/30/2024
ANALYSIS DATE : 09/30-10/01/2024
REPORT DATE : 10/02/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	242313-64655	242313-64656	242313-64657	242313-64658	242313-64659	242313-64660
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242313
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30/2024
RECEIVING DATE : 09/30/2024
ANALYSIS DATE : 09/30-10/01/2024
REPORT DATE : 10/02/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	SCV	Chiquito Cyn Rd	S. End Lincoln	MS-01	MS-02
AAC ID	242313-64661	242313-64662	242313-64663	242313-64664	242313-64665	242313-64666
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242313
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30/2024
RECEIVING DATE : 09/30/2024
ANALYSIS DATE : 09/30-10/01/2024
REPORT DATE : 10/02/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Working Face	Reaction
AAC ID	242313-64667	242313-64668	242313-64669	242313-64670	242313-64671
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 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: 9/30/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7014	0.493	96.5	1.0
Duplicate	7209	0.507	99.1	1.8
Triplicate	7030	0.494	96.7	0.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6016	0.502	100.0	0.1
Duplicate	6103	0.509	101.4	1.6
Triplicate	5908	0.493	98.2	1.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8627	0.504	101.3	0.5
Duplicate	8720	0.509	102.4	0.6
Triplicate	8669	0.506	101.8	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242203-64137**

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 **242203-64137 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.247	0.266	96.7	104.1	7.4
MeSH	<PQL	0.251	0.257	0.272	102.4	108.4	5.7
DMS	<PQL	0.249	0.273	0.273	109.9	109.9	0.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.562	110.0
MeSH	0.502	0.541	107.8
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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/30/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11291.31	495	97.0	1.0
Duplicate	11319.6	496	97.2	0.8
Triplicate	11615.97	509	99.8	1.8

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10214	504	100.4	0.2
Duplicate	10200.66	503	100.3	0.0
Triplicate	10176	502	100.0	0.2

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	15009.31	511	102.7	1.6
Duplicate	14527.15	494	99.4	1.6
Triplicate	14764	502	101.0	0.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242203-64137**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242203-64137 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	247.5	249.8	97.0	97.9	0.9
MeSH	<PQL	250.9	244.2	253.2	97.3	100.9	3.6
DMS	<PQL	248.5	255.0	259.1	102.6	104.2	1.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	500.9	98.1
MeSH	501.8	497.6	99.2
DMS	497.0	493.2	99.2

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 10/1/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7611	0.535	104.7	1.7
Duplicate	7630	0.536	104.9	1.9
Triplicate	7212	0.507	99.2	3.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6276	0.523	104.3	0.1
Duplicate	6281	0.524	104.4	0.2
Triplicate	6253	0.522	103.9	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8855	0.517	104.0	0.6
Duplicate	8928	0.521	104.8	1.5
Triplicate	8614	0.503	101.2	2.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242313-64656**

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 242313-64656 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.252	0.252	98.6	98.6	0.0
MeSH	<PQL	0.251	0.243	0.260	96.8	103.6	6.8
DMS	<PQL	0.249	0.259	0.273	104.2	109.9	5.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.492	96.3
MeSH	0.502	0.507	101.0
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 10/1/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11881.11	521	102.0	4.1
Duplicate	11160.35	489	95.9	2.2
Triplicate	11205.88	491	96.2	1.8

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10653.59	526	104.7	1.7
Duplicate	10115.96	499	99.4	3.4
Triplicate	10656	526	104.8	1.7

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	15082.78	513	103.2	0.0
Duplicate	15129.54	515	103.6	0.4
Triplicate	15017	511	102.8	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242313-64664**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 242313-64664 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	249.8	235.0	97.9	92.0	6.1
MeSH	<PQL	250.9	241.8	247.0	96.4	98.4	2.1
DMS	<PQL	248.5	255.8	254.7	102.9	102.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	504.5	98.8
MeSH	501.8	499.7	99.6
DMS	497.0	500.4	100.7

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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

242313

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 [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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST +BMS	TO-15 Extended List + IDMS			
MS-06 64638		9-30-21	1215	summa 1		X			
MS-07 64639			1401			X			
MS-08 64640			1433			X			
MS-09 64641			1444			X			
MS-10 64642			1137			X			
MS-11 64643			1150			X			
MS-12 64644			1425			X			
SCV 64645			1127			X			
Chiquito Cyn Rd 64646			1411			X			
S. End Lincoln 64647			1417			X			

LAB USE ONLY

Lab ID	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: Nathaniel Davalos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/21 Time 1602
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

D/O - 17* clean risers

242315

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]

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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	TO-15 FULL LIST + DMS	TO-15 Expanded List + DMS				LAB USE ONLY: Lab ID
MS-01 64648		7-30-21	1254	summa 1		X				
MS-02 64649			1345			X				
MS-03 64650			1230			X				
MS-04 64651			1319			X				
MS-05 64652			1244			X				
Working Face 64653			1308			X				
Reaction 64654			1334			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: Nathaniel Davalos Signature: ND	Date 7/30 Time	**Received By** Print: Signature:	Date 8/3/21 Time 10:15	
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time	

242315

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 [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: Nathaniel Davalos
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR				
MS-06 64655		9-30-24	1215	tedlar 1	X				
MS-07 64656			1401		X				
MS-08 64657			1433		X				
MS-09 64658			1459		X				
MS-10 64659			1137		X				
MS-11 64660			1156		X				
MS-12 64661			1425		X				
SCV 64662			1127		X				
Chiquito Cyn Rd 64663			1411		X				
S. End Lincoln 64664			1417		X				

LAB USE ONLY

Lab ID	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: Nathaniel Davalos Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/24 Time 1603
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

242315

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]

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: Nathaniel Donados
Signature: ND

Analysis Requested

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR					Lab ID
MS-01 C.m 9/30/21	64666 64665	9-30-21	1254	tedlar 1	X					
MS-02 C.m 9/30/21	64667 64666		1345		X					
MS-03 C.m 9/30/21	64668 64667		1230		X					
MS-04 C.m 9/30/21	64669 64668		1319		X					
MS-05 C.m 9/30/21	64670 64669		1244		X					
Working Face	64670		1308		X					
Reaction	64671		1334		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: Nathaniel Donados Signature: ND	Date 9/30 Time	**Received By** Print: Signature:	Date 9/30/21 Time 1602
Relinquished By Print: Signature:	Date Time	**Received By** Print: Signature:	Date Time

ATTACHMENT B

ODOR SAMPLE DATA

Odor Samples September 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	9/3/2024	12:23	Leachate	9/4/2024	12:21 PM	702	stale
	MS-02	9/3/2024	13:14	Cinnamon	9/4/2024	9:10 AM	3078	
	MS-03	9/3/2024	11:50	Dirt	9/4/2024	11:20 AM	1166	burning, bad campfire
	MS-04	9/3/2024	12:45	Leachate	9/4/2024	11:51 AM	1250	sulfudic
	MS-05	9/3/2024	12:04	Dirt	9/4/2024	9:40 AM	1250	chemically
	Working/Active	9/3/2024	13:24	Trash	9/4/2024	11:35 AM	669	gasoline
	Reaction	9/3/2024	12:56	Leachate	9/4/2024	10:18 AM	5359	dead animal, rotten
Off-Site	MS-06	9/3/2024	11:36	Dirt	9/4/2024	10:50 AM	743	earthy, dirt
	MS-07	9/3/2024	13:57	Dirt	9/4/2024	1:06 PM	1339	woodsy
	MS-08	9/3/2024	14:39	Vegetation	9/4/2024	10:35 AM	884	stale
	MS-09	9/3/2024	14:52	Vegetation, sweet	9/4/2024	9:00 AM	442	plastic
	MS-10	9/3/2024	15:18	Leachate, vegetation	9/4/2024	9:25 AM	1250	plastic
	MS-11	9/3/2024	10:49	Vegetation	9/4/2024	12:06 PM	884	vegetation
	MS-12	9/3/2024	14:31	Dirt	9/4/2024	1:20 PM	1051	stale
	SCV	9/3/2024	15:03	Vegetation	9/4/2024	12:40 PM	1768	naturally offensive
	Chiquito	9/3/2024	14:14	Dirt	9/4/2024	10:00 AM	992	grassy, vegetation
	S End Lincoln	9/3/2024	14:21	Vegetation	9/4/2024	12:52 PM	1015	grassy

Odor Samples September 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	9/10/2024	12:19	Dirt, leachate	9/11/2024	1:05 PM	1786	sulfudic
	MS-02	9/10/2024	13:05	Dirt	9/11/2024	9:00 AM	702	burnt
	MS-03	9/10/2024	11:38	Dirt	9/11/2024	12:50 PM	1486	sewer
	MS-04	9/10/2024	12:43	Leachate	9/11/2024	12:36 PM	1768	plastic
	MS-05	9/10/2024	11:59	Dirt	9/11/2024	10:40 AM	1250	
	Working/Active	9/10/2024	13:17	Leachate	9/11/2024	11:55 AM	3536	foul
	Reaction	9/10/2024	12:54	Leachate	9/11/2024	10:30 AM	10000	stale, rotten, putrid
Off-Site	MS-06	9/10/2024	11:18	Dirt	9/11/2024	11:10 AM	1250	trash
	MS-07	9/10/2024	13:35	Dirt	9/11/2024	12:07 PM	884	gasoline
	MS-08	9/10/2024	14:14	Vegetation	9/11/2024	9:35 AM	1250	plastic
	MS-09	9/10/2024	14:25	Vegetation	9/11/2024	11:36 AM	770	plants
	MS-10	9/10/2024	10:11	Vegetation	9/11/2024	1:20 PM	1250	putrid
	MS-11	9/10/2024	10:52	Vegetation	9/11/2024	11:22 AM	<125	
	MS-12	9/10/2024	14:07	Dirt	9/11/2024	9:15 AM	1486	stale
	SCV	9/10/2024	9:58	Vegetation	9/11/2024	10:05 AM	1486	chemicals
	Chiquito	9/10/2024	13:53	Dirt	9/11/2024	9:50 AM	2102	vegetation
	S End Lincoln	9/10/2024	14:00	Dirt	9/11/2024	12:21 PM	2806	decay

Odor Samples September 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	9/16/2024	12:34	Dirt, cinnamon	9/17/2024	11:10 AM	788	Not Offensive
	MS-02	9/16/2024	13:16	Cinnamon	9/17/2024	9:15 AM	1768	Putrid, Stale, Rancid
	MS-03	9/16/2024	12:10	Dirt	9/17/2024	9:45 AM	2806	Stale
	MS-04	9/16/2024	12:52	Leachate	9/17/2024	11:50 AM	1575	Burnt
	MS-05	9/16/2024	12:22	Dirt, cinnamon	9/17/2024	12:10 PM	1166	Vegetation, Not Offensive
	Working/Active	9/16/2024	13:26	Leachate	9/17/2024	12:37 PM	1113	Sulfur, Dirt
	Reaction	9/16/2024	13:03	Leachate	9/17/2024	10:06 AM	12599	Trash, Garbage
Off-Site	MS-06	9/16/2024	11:57	Dirt, slight cinnamon	9/17/2024	11:21 AM	1250	Vegetation
	MS-07	9/16/2024	13:40	Dirt	9/17/2024	10:42 AM	1403	Stale, Musty
	MS-08	9/16/2024	14:16	Vegetation	9/17/2024	1:06 PM	992	Earthy, Not Offensive
	MS-09	9/16/2024	14:27	Vegetation	9/17/2024	1:20 PM	1140	Plastic
	MS-10	9/16/2024	10:58	Vegetation, slight leachate	9/17/2024	9:30 AM	1768	Vegetation
	MS-11	9/16/2024	11:30	Vegetation	9/17/2024	11:40 AM	442	Faint, Stale
	MS-12	9/16/2024	14:09	Dirt	9/17/2024	9:00 AM	1768	Burned
	SCV	9/16/2024	10:42	Vegetation	9/17/2024	12:25 PM	884	Stale, Plastic
	Chiquito	9/16/2024	13:55	Dirt	9/17/2024	12:52 PM	884	Earthy, Trash
	S End Lincoln	9/16/2024	14:04	Vegetation	9/17/2024	10:28 AM	1539	Plastic, Stale

Odor Samples September 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	9/23/2024	12:54	Dirt	9/24/2024	11:35 AM	1768	Stale, Musty
	MS-02	9/23/2024	13:24	Cinnamon	9/24/2024	12:25 PM	884	
	MS-03	9/23/2024	12:22	Dirt	9/24/2024	12:40 PM	992	Not Offensive
	MS-04	9/23/2024	13:08	Leachate	9/24/2024	12:55 PM	884	
	MS-05	9/23/2024	12:37	Dirt	9/24/2024	9:15 AM	1339	Plastic
	Working/Active	9/23/2024	13:40	Trash	9/24/2024	11:55 AM	1768	Fresh, Clean
	Reaction	9/23/2024	13:18	Leachate	9/24/2024	10:15 AM	3536	Putrid, Rotten, Stale
Off-Site	MS-06	9/23/2024	12:12	Dirt	9/24/2024	10:35 AM	1403	Vegetative
	MS-07	9/23/2024	14:00	Dirt	9/24/2024	9:30 AM	1339	Stale. Sour Milk
	MS-08	9/23/2024	14:29	Vegetation	9/24/2024	11:10 AM	1250	
	MS-09	9/23/2024	14:40	Vegetation	9/24/2024	10:00 AM	1768	Plastic, Clean
	MS-10	9/23/2024	11:30	Vegetation	9/24/2024	9:45 AM	1250	Fresh
	MS-11	9/23/2024	11:52	Vegetation	9/24/2024	9:00 AM	2229	
	MS-12	9/23/2024	14:21	Vegetation	9/24/2024	12:05 PM	1250	Fuel, Butane
	SCV	9/23/2024	11:18	Vegetation	9/24/2024	11:20 AM	625	Naturally Offensive,, Sulfur, Dirty
	Chiquito	9/23/2024	14:07	Dirt	9/24/2024	1:10 PM	669	
	S End Lincoln	9/23/2024	14:15	Dirt	9/24/2024	1:25 PM	1539	Synthetic, Plastic

Odor Samples September 2024

Sample Name		Sample Date	Sample Time	Notes	Analysis Date	Analysis Time	ou/m3	Odor Characteristics
On-Site	MS-01	9/30/2024	12:54	Dirt	10/1/2024	12:35 PM	1166	Faint, Clean
	MS-02	9/30/2024	13:45	Dirt	10/1/2024	12:50 PM	769	Vegetation
	MS-03	9/30/2024	12:30	Dirt	10/1/2024	10:50 AM	442	
	MS-04	9/30/2024	13:19	Leachate	10/1/2024	9:30 AM	1015	Fertalizer
	MS-05	9/30/2024	12:44	Dirt	10/1/2024	11:50 AM	884	Mechanical Lubricant, Not Offensive
	Working/Active	9/30/2024	13:08	Trash	10/1/2024	12:20 PM	1166	Stale, Plastic
	Reaction	9/30/2024	13:34	Leachate	10/1/2024	10:00 AM	5612	Putrid, Garbag, Stale
Off-Site	MS-06	9/30/2024	12:15	Dirt	10/1/2024	1:00 PM	884	Metallic
	MS-07	9/30/2024	14:01	Dirt	10/1/2024	11:35 AM	1250	Floral, Vegetative
	MS-08	9/30/2024	14:33	Vegetation	10/1/2024	1:15 PM	1768	Plastic, Stale
	MS-09	9/30/2024	14:44	Vegetation	10/1/2024	9:45 AM	669	
	MS-10	9/30/2024	11:37	Vegetation	10/1/2024	10:20 AM	1768	Mulch. Earthy, Sulfur
	MS-11	9/30/2024	11:56	Vegetation	10/1/2024	9:15 AM	1768	Vegetative
	MS-12	9/30/2024	14:25	Dirt	10/1/2024	10:35 AM	1051	Stale, Plastic, Metallic
	SCV	9/30/2024	11:27	Vegetation	10/1/2024	9:00 AM	1113	Cereal, Wheat
	Chiquito	9/30/2024	14:11	Dirt	10/1/2024	11:15 AM	769	Paint, Synthetic
	S End Lincoln	9/30/2024	14:17	Vegetation	10/1/2024	12:05 PM	1113	Faint, Clean, Fresh

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. : 242087
REPORT DATE : 09/06/2024

On September 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	242087-63603	653.8
MS-12	242087-63604	626.1
MS-08	242087-63605	654.9
MS-09	242087-63606	631.4
MS-10	242087-63607	675.3
MS-06	242087-63608	644.6
MS-11	242087-63609	639.3

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 : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63603				242087-63604				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.56				1.65				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Propene	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Methanol	18.3		1	7.78	19.7		1	8.24	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Ethanol	6.74		1	3.11	6.33		1	3.30	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Acetone	4.39		1	3.11	4.42		1	3.30	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
2-Propanol (IPA)	<SRL	U	1	3.11	<SRL	U	1	3.30	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Allyl Chloride	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Carbon Disulfide	<SRL	U	1	3.11	<SRL	U	1	3.30	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
2-Butanone (MEK)	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63603				242087-63604				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.56				1.65				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,4-Dioxane	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
2-Hexanone (MBK)	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
m & p-Xylene	<SRL	U	1	1.56	<SRL	U	1	1.65	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.82	0.50
BFB-Surrogate Std. % Recovery		91%				96%			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 : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63605				242087-63606				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.56				1.62				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Propene	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Dichlorodifluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Vinyl Chloride	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methanol	16.9		1	7.78	15.1		1	8.11	5.00
1,3-Butadiene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Bromomethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Dichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethanol	7.75		1	3.11	<SRL	U	1	3.24	2.00
Vinyl Bromide	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Acetone	4.89		1	3.11	7.30		1	3.24	2.00
Trichlorofluoromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Propanol (IPA)	<SRL	U	1	3.11	<SRL	U	1	3.24	2.00
Acrylonitrile	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Allyl Chloride	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Carbon Disulfide	<SRL	U	1	3.11	<SRL	U	1	3.24	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Vinyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Butanone (MEK)	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Hexane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chloroform	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethyl Acetate	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Tetrahydrofuran	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Benzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63605				242087-63606				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.56				1.62				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Cyclohexane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichloropropane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Bromodichloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,4-Dioxane	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Trichloroethene (TCE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Heptane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Toluene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
2-Hexanone (MBK)	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Dibromochloromethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dibromoethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Chlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Ethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
m & p-Xylene	<SRL	U	1	1.56	<SRL	U	1	1.62	1.00
Bromoform	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Styrene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
o-Xylene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
4-Ethyltoluene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.78	<SRL	U	1	0.81	0.50
Hexachlorobutadiene	<SRL	U	1	0.78	<SRL	U	1	0.81	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 : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63607				242087-63608				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.52				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methanol	14.3		1	7.62	20.9		1	7.93	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethanol	4.11		1	3.05	8.58		1	3.17	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Acetone	4.19		1	3.05	6.71		1	3.17	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	3.05	<SRL	U	1	3.17	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	3.05	<SRL	U	1	3.17	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63607				242087-63608				
Date Sampled	09/03/2024				09/03/2024				
Date Analyzed	09/05/2024				09/05/2024				
Can Dilution Factor	1.52				1.59				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.79	0.50
BFB-Surrogate Std. % Recovery		96%				96%			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 : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63609				
Date Sampled	09/03/2024				
Date Analyzed	09/05/2024				
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	22.7		1	7.98	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	3.19	2.00
Vinyl Bromide	<SRL	U	1	0.80	0.50
Acetone	5.22		1	3.19	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	<SRL	U	1	3.19	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	3.19	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 : 242087
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/04/2024
DATE REPORTED : 09/06/2024
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	242087-63609				
Date Sampled	09/03/2024				
Date Analyzed	09/05/2024				
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		95%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 08/30/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.59	102
Chlorodifluoromethane	10.20	8.36	82
Propene	10.70	8.41	79
Dichlorodifluoromethane	10.40	9.37	90
Dimethyl Ether	10.10	7.98	79
Chloromethane	10.50	8.64	82
Dichlorotetrafluoroethane	10.20	8.80	86
Vinyl Chloride	10.60	8.95	84
Acetaldehyde	20.90	18.00	86
Methanol	20.40	18.47	91
1,3-Butadiene	10.70	9.32	87
Bromomethane	10.40	8.49	82
Chloroethane	10.40	7.81	75
Dichlorofluoromethane	10.10	8.53	84
Ethanol	11.40	8.79	77
Vinyl Bromide	10.10	8.48	84
Acrolein	10.90	8.33	76
Acetone	10.60	7.71	73
Trichlorofluoromethane	10.50	8.85	84
2-Propanol (IPA)	11.00	8.90	81
Acrylonitrile	11.10	9.39	85
1,1-Dichloroethene	10.50	8.82	84
Methylene Chloride (DCM)	10.40	8.46	81
TertButanol (TBA)	11.20	8.91	80
Allyl Chloride	10.20	8.07	79
Carbon Disulfide	10.50	8.69	83
Trichlorotrifluoroethane	10.30	8.62	84
trans-1,2-Dichloroethene	10.80	9.56	89
1,1-Dichloroethane	10.70	8.95	84
Methyl Tert Butyl Ether (MTBE)	10.70	8.52	80
Vinyl Acetate	11.00	9.25	84
2-Butanone (MEK)	10.70	8.82	82
cis-1,2-Dichloroethene	10.70	9.31	87
Hexane	10.80	9.38	87
Chloroform	10.70	9.15	86
Ethyl Acetate	10.70	8.58	80
Tetrahydrofuran	10.40	8.16	78
1,2-Dichloroethane	10.60	8.93	84
1,1,1-Trichloroethane	10.50	8.81	84
Benzene	10.70	9.40	88
Carbon Tetrachloride	10.30	9.14	89
Cyclohexane	10.50	8.66	82

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	8.98	84
Bromodichloromethane	10.50	9.21	88
1,4-Dioxane	10.50	8.97	85
Trichloroethene (TCE)	10.50	8.95	85
2,2,4-Trimethylpentane	10.10	8.54	85
Methyl Methacrylate	11.00	9.10	83
Heptane	10.50	9.10	87
cis-1,3-Dichloropropene	10.50	8.74	83
4-Methyl-2-pentanone (MiBK)	10.50	8.34	79
trans-1,3-Dichloropropene	10.60	8.87	84
1,1,2-Trichloroethane	10.60	9.06	85
Toluene	10.80	9.29	86
2-Hexanone (MBK)	10.50	8.85	84
Dibromochloromethane	10.60	8.85	83
1,2-Dibromoethane	10.60	9.04	85
Tetrachloroethene (PCE)	10.50	8.85	84
Chlorobenzene	10.80	9.19	85
Ethylbenzene	10.60	9.08	86
m & p-Xylene	21.20	17.69	83
Bromoform	10.60	8.93	84
Styrene	10.60	9.28	88
1,1,2,2-Tetrachloroethane	10.60	8.82	83
o-Xylene	10.60	9.08	86
1,2,3-Trichloropropane	11.00	9.72	88
Isopropylbenzene (Cumene)	10.40	9.15	88
α-Pinene	10.80	7.72	71
2-Chlorotoluene	10.30	9.16	89
n-Propylbenzene	10.10	8.95	89
4-Ethyltoluene	10.40	9.12	88
1,3,5-Trimethylbenzene	10.30	8.84	86
β-Pinene	10.90	10.57	97
1,2,4-Trimethylbenzene	10.30	8.76	85
Benzyl Chloride (a-Chlorotoluene)	10.30	7.87	76
1,3-Dichlorobenzene	10.30	9.15	89
1,4-Dichlorobenzene	10.20	9.20	90
Sec-ButylBenzene	10.00	8.60	86
1,2-Dichlorobenzene	10.40	8.99	86
n-ButylBenzene	10.20	8.43	83
1,2-Dibromo-3-Chloropropane	10.10	8.27	82
1,2,4-Trichlorobenzene	10.50	9.27	88
Naphthalene	10.90	10.19	93
Hexachlorobutadiene	10.80	8.31	77

[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 : 09/05/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-072924-01
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	9.59	9.62	102	102	0.3
1,1-Dichloroethene	0.0	10.50	8.82	9.58	84	91	8.3
Methylene Chloride (DCM)	0.0	10.40	8.46	9.10	81	88	7.3
Benzene	0.0	10.70	9.40	9.40	88	88	0.0
Trichloroethene (TCE)	0.0	10.50	8.95	9.05	85	86	1.1
Toluene	0.0	10.80	9.29	9.39	86	87	1.1
Tetrachloroethene (PCE)	0.0	10.50	8.85	8.92	84	85	0.8
Chlorobenzene	0.0	10.80	9.19	9.14	85	85	0.5
Ethylbenzene	0.0	10.60	9.08	8.95	86	84	1.4
m & p-Xylene	0.0	21.20	17.69	17.70	83	83	0.1
o-Xylene	0.0	10.60	9.08	8.91	86	84	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%).

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/05/2024
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 090524*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	0%	100±30%
Chlorodifluoromethane	<RL	5.0
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 090524*	*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	1.0
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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Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/05/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x75.56

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242086-63585

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.15	9.07	0.9
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	3040	2970	2.5
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	<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 242087

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 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3B 7.9 SUMMA (10-15 TO-15 LIST)	3B 7.9 SUMMA (10-15 TO-15 LIST)			3B 7.9 SUMMA (10-15 TO-15 LIST) FINAL PRESSURE	Remarks Canister/Controller
MS-07	9-3/4-24	0703-0703	63603	6L SUMMA CANISTER	X	X			-5 HG	02151/19596
MS-12	9-3/4-24	0718-0718	63604	6L SUMMA CANISTER	X	X			0 HG	01931/19507
MS-08	9-3/4-24	0728-0728	63605	6L SUMMA CANISTER	X	X			-2 HG	02119/19505
MS-09	9-3/4-24	0741-0741	63606	6L SUMMA CANISTER	X	X			-7 HG	02131/17588
MS-10	9-3/4-24	0754-0754	63607	6L SUMMA CANISTER	X	X			-5 HG	02005/17582
MS-06	9-3/4-24	0813-0813	63608	6L SUMMA CANISTER	X	X			-4 HG	02170/17589
MS-11	9-3/4-24	0837-0837	63609	6L SUMMA CANISTER	X	X			-2 HG	01990/19508

Relinquished by: (Signature) Ed	**Date** 9/4/24	**Time** 0940	**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** 9/4/24	**Time** 0945
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 coastal Enochs

CHAIN OF CUSTODY RECORD 24208 7

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) ED. GOZUM	**(Signature)**
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307(SULFUR)	Remarks
MS-07	9-3/4-24	0703-0703	63610	10 LITER BAG	X	
MS-12	9-3/4-24	0718-0718	63611	10 LITER BAG	X	
MS-08	9-3/4-24	0728-0728	63612	10 LITER BAG	X	
MS-09	9-3/4-24	0741-0741	63613	10 LITER BAG	X	
MS-10	9-3/4-24	0754-0754	63614	10 LITER BAG	X	
MS-06	9-3/4-24	0813-0813	63615	10 LITER BAG	X	
MS-11	9-3/4-24	0837-0837	63616	10 LITER BAG	X	

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	9/4/24	0946	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	9/4/24	0945
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. : 242087
REPORT DATE : 09/06/2024

On September 4th 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	242087-63603	653.8	MS-07	242087-63610
MS-12	242087-63604	626.1	MS-12	242087-63611
MS-08	242087-63605	654.9	MS-08	242087-63612
MS-09	242087-63606	631.4	MS-09	242087-63613
MS-10	242087-63607	675.3	MS-10	242087-63614
MS-06	242087-63608	644.6	MS-06	242087-63615
MS-11	242087-63609	639.3	MS-11	242087-63616

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. : 242087
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03-04/2024
RECEIVING DATE : 09/04/2024
ANALYSIS DATE : 09/05/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242087-63603	242087-63604	242087-63605	242087-63606
Canister Dil. Fac.	1.56	1.65	1.56	1.62
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008	< 0.008	< 0.008
COS / SO2	< 0.008	< 0.008	< 0.008	< 0.008
Methyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
Ethyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
Dimethyl Sulfide	< 0.008	< 0.008	< 0.008	< 0.008
Carbon Disulfide	< 0.008	< 0.008	< 0.008	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
Methylethylsulfide	< 0.008	< 0.008	< 0.008	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008	< 0.008	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
Diethyl Sulfide	< 0.008	< 0.008	< 0.008	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.008	< 0.008	< 0.008
Dimethyl Disulfide	< 0.008	< 0.008	< 0.008	< 0.008
2-Methylthiophene	< 0.008	< 0.008	< 0.008	< 0.008
3-Methylthiophene	< 0.008	< 0.008	< 0.008	< 0.008
Tetrahydrothiophene	< 0.008	< 0.008	< 0.008	< 0.008
Bromothiophene	< 0.008	< 0.008	< 0.008	< 0.008
Thiophenol	< 0.008	< 0.008	< 0.008	< 0.008
Diethyl Disulfide	< 0.008	< 0.008	< 0.008	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.008	< 0.008	< 0.008
Total Reduced Sulfurs	< 0.008	< 0.008	< 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. : 242087
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03-04/2024
RECEIVING DATE : 09/04/2024
ANALYSIS DATE : 09/05/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242087-63607	242087-63608	242087-63609
Canister Dil. Fac.	1.52	1.59	1.60
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008	< 0.008
COS / SO2	< 0.008	< 0.008	< 0.008
Methyl Mercaptan	< 0.008	< 0.008	< 0.008
Ethyl Mercaptan	< 0.008	< 0.008	< 0.008
Dimethyl Sulfide	< 0.008	< 0.008	< 0.008
Carbon Disulfide	< 0.008	< 0.008	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.008	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.008	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.008	< 0.008
Methylethylsulfide	< 0.008	< 0.008	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.008	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.008	< 0.008
Diethyl Sulfide	< 0.008	< 0.008	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.008	< 0.008
Dimethyl Disulfide	< 0.008	< 0.008	< 0.008
2-Methylthiophene	< 0.008	< 0.008	< 0.008
3-Methylthiophene	< 0.008	< 0.008	< 0.008
Tetrahydrothiophene	< 0.008	< 0.008	< 0.008
Bromothiophene	< 0.008	< 0.008	< 0.008
Thiophenol	< 0.008	< 0.008	< 0.008
Diethyl Disulfide	< 0.008	< 0.008	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.008	< 0.008
Total Reduced Sulfurs	< 0.008	< 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. : 242087
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03-04/2024
RECEIVING DATE : 09/04/2024
ANALYSIS DATE : 09/04/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242087-63610	242087-63611	242087-63612	242087-63613
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242087
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/03-04/2024
RECEIVING DATE : 09/04/2024
ANALYSIS DATE : 09/04/2024
REPORT DATE : 09/06/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242087-63614	242087-63615	242087-63616
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 Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/4/2024
Analyst: NR/DM
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	10727	0.497	97.3	1.1
Duplicate	10916	0.506	99.1	0.7
Triplicate	10886	0.505	98.8	0.4

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8861	0.478	95.2	1.0
Duplicate	8855	0.478	95.2	1.1
Triplicate	9134	0.493	98.2	2.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12452	0.517	104.0	0.3
Duplicate	12333	0.512	103.0	0.6
Triplicate	12447	0.517	103.9	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242086-63599**

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 **242086-63599 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.233	0.245	91.2	95.9	5.0
MeSH	<PQL	0.251	0.231	0.255	92.0	101.6	9.9
DMS	<PQL	0.249	0.238	0.263	95.8	105.8	10.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.557	109.0
MeSH	0.502	0.550	109.6
DMS	0.497	0.546	109.9

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: 9/5/2024
Analyst: NR/DM
Units: ppbV

Instrument ID : SCD#10
Calb. Date: : 07/09/24

Opening Calibration Verification Standard

510.5 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11790	517	101.3	2.6
Duplicate	11539	506	99.1	0.5
Triplicate	11129	488	95.6	3.1

501.8 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	10309	509	101.3	0.7
Duplicate	10450	515	102.7	0.7
Triplicate	10374	512	102.0	0.0

497.0 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	14606	497	100.0	0.4
Duplicate	14320	487	98.0	2.4
Triplicate	15088	513	103.3	2.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	255.3	254.8	244.5	99.8	95.8	4.1
MeSH	<PQL	250.9	260.4	255.0	103.8	101.6	2.1
DMS	<PQL	248.5	265.8	268.6	107.0	108.1	1.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	510.5	514.0	100.7
MeSH	501.8	498.4	99.3
DMS	497.0	498.7	100.3

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

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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CHAIN OF CUSTODY RECORD 24087

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 G **No. Of Containers** 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C7.91 SULFUR (10-15 TO ALL)	40 CFR PRESSURE	Remarks Canister/Controller
MS-07	9-3/4-24	0703-0703	63603	6L Summa Canister	X X		SHG-00215I/19596
MS-12	9-3/4-24	0748-0748	63604	6L Summa Canister	X X		OHG-00231/19507
MS-08	9-3/4-24	0728-0728	63605	6L Summa Canister	X X		ZHG-00219/19505
MS-09	9-3/4-24	0741-0741	63606	6L Summa Canister	X X		THG-00213/17588
MS-10	9-3/4-24	0754-0754	63607	6L Summa Canister	X X		SHG-00205/17582
MS-06	9-3/4-24	0813-0813	63608	6L Summa Canister	X X		HHG-00217/17589
MS-11	9-3/4-24	0837-0837	63609	6L Summa Canister	X X		ZHG-00190/19508

Relinquished by: (Signature) Ed G	**Date** 9/4/24	**Time** 0946	**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** 9/4/24	**Time** 0945
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 coated Empty

CHAIN OF CUSTODY RECORD 24208?

Client/Project Name	Project Location
SCS ENGINEERS / CHIQUITA CANYON LANDFILL AIR/ODOR SAMPLING	VALENCIA, CA.
Project No.	**Field Logbook No.**
Sampler: (Print) EDGAR GUZMAN	**(Signature)**
	No. Of Containers 7

ANALYSES: 307 (Sulfur)

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307					Remarks
MS-07	9-3/4-24	0703-0703	63610	10 LITER BAG	X					
MS-12	9-3/4-24	0718-0718	63611	10 LITER BAG	X					
MS-08	9-3/4-24	0728-0728	63612	10 LITER BAG	X					
MS-09	9-3/4-24	0741-0741	63613	10 LITER BAG	X					
MS-10	9-3/4-24	0754-0754	63614	10 LITER BAG	X					
MS-06	9-3/4-24	0813-0813	63615	10 LITER BAG	X					
MS-11	9-3/4-24	0837-0837	63616	10 LITER BAG	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/4/24	0946			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				9/4/24	0945
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. : 242140
REPORT DATE : 09/18/2024

On September 10, 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	242140-63795	618.7
MS-12	242140-63796	484.9
MS-08	242140-63797	557.0
MS-09	242140-63798	572.3
MS-10	242140-63799	432.1
MS-11	242140-63800	594.2

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.

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63795				242140-63796				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	1.65				2.11				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Propene	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Dichlorodifluoromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Chloromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Vinyl Chloride	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Methanol	19.0		1	8.25	18.3		1	10.5	5.00
1,3-Butadiene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Bromomethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Chloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Dichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Ethanol	<SRL	U	1	3.30	5.94		1	4.21	2.00
Vinyl Bromide	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Acetone	<SRL	U	1	3.30	6.55		1	4.21	2.00
Trichlorofluoromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
2-Propanol (IPA)	<SRL	U	1	3.30	<SRL	U	1	4.21	2.00
Acrylonitrile	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,1-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Allyl Chloride	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Carbon Disulfide	<SRL	U	1	3.30	<SRL	U	1	4.21	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,1-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Vinyl Acetate	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
2-Butanone (MEK)	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Hexane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Chloroform	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Ethyl Acetate	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Tetrahydrofuran	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2-Dichloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Benzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63795				242140-63796				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	1.65				2.11				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Cyclohexane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2-Dichloropropane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Bromodichloromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,4-Dioxane	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Trichloroethene (TCE)	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Heptane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Toluene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
2-Hexanone (MBK)	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Dibromochloromethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2-Dibromoethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Chlorobenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Ethylbenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
m & p-Xylene	<SRL	U	1	1.65	<SRL	U	1	2.11	1.00
Bromoform	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Styrene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
o-Xylene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
4-Ethyltoluene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.82	<SRL	U	1	1.05	0.50
Hexachlorobutadiene	<SRL	U	1	0.82	<SRL	U	1	1.05	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 : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63797				242140-63798				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	1.83				1.78				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Propene	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Dichlorodifluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Chloromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Vinyl Chloride	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Methanol	15.5		1	9.16	18.8		1	8.89	5.00
1,3-Butadiene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Bromomethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Chloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Dichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Ethanol	<SRL	U	1	3.66	4.62		1	3.55	2.00
Vinyl Bromide	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Acetone	5.70		1	3.66	9.13		1	3.55	2.00
Trichlorofluoromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
2-Propanol (IPA)	<SRL	U	1	3.66	<SRL	U	1	3.55	2.00
Acrylonitrile	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,1-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Allyl Chloride	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Carbon Disulfide	<SRL	U	1	3.66	<SRL	U	1	3.55	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,1-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Vinyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
2-Butanone (MEK)	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Hexane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Chloroform	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Ethyl Acetate	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Tetrahydrofuran	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2-Dichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Benzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63797				242140-63798				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	1.83				1.78				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Cyclohexane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2-Dichloropropane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Bromodichloromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,4-Dioxane	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Trichloroethene (TCE)	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Heptane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Toluene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
2-Hexanone (MBK)	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Dibromochloromethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2-Dibromoethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Chlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Ethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
m & p-Xylene	<SRL	U	1	1.83	<SRL	U	1	1.78	1.00
Bromoform	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Styrene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
o-Xylene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
4-Ethyltoluene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
Hexachlorobutadiene	<SRL	U	1	0.92	<SRL	U	1	0.89	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63799				242140-63800				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	2.36				1.73				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Propene	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Dichlorodifluoromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Chloromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Vinyl Chloride	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Methanol	21.6		1	11.8	26.9		1	8.64	5.00
1,3-Butadiene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Bromomethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Chloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Dichlorofluoromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Ethanol	6.78		1	4.73	4.39		1	3.46	2.00
Vinyl Bromide	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Acetone	15.0		1	4.73	8.31		1	3.46	2.00
Trichlorofluoromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
2-Propanol (IPA)	<SRL	U	1	4.73	<SRL	U	1	3.46	2.00
Acrylonitrile	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,1-Dichloroethene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Allyl Chloride	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Carbon Disulfide	<SRL	U	1	4.73	<SRL	U	1	3.46	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,1-Dichloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Vinyl Acetate	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
2-Butanone (MEK)	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Hexane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Chloroform	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Ethyl Acetate	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Tetrahydrofuran	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2-Dichloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Benzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242140
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/10/2024
DATE REPORTED : 09/18/2024
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	242140-63799				242140-63800				
Date Sampled	09/09/2024				09/09/2024				
Date Analyzed	09/17/2024				09/17/2024				
Can Dilution Factor	2.36				1.73				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Cyclohexane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2-Dichloropropane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Bromodichloromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,4-Dioxane	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Trichloroethene (TCE)	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Heptane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Toluene	2.15		1	1.18	<SRL	U	1	0.86	0.50
2-Hexanone (MBK)	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Dibromochloromethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2-Dibromoethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Chlorobenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Ethylbenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
m & p-Xylene	<SRL	U	1	2.36	<SRL	U	1	1.73	1.00
Bromoform	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Styrene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
o-Xylene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
4-Ethyltoluene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
Hexachlorobutadiene	<SRL	U	1	1.18	<SRL	U	1	0.86	0.50
BFB-Surrogate Std. % Recovery		95%				93%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/17/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/16/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	10.03	107
Chlorodifluoromethane	10.20	10.61	104
Propene	10.70	11.52	108
Dichlorodifluoromethane	10.40	10.25	99
Dimethyl Ether	10.10	11.00	109
Chloromethane	10.50	10.96	104
Dichlorotetrafluoroethane	10.20	9.82	96
Vinyl Chloride	10.60	10.68	101
Acetaldehyde	20.90	24.16	116
Methanol	20.40	22.35	110
1,3-Butadiene	10.70	11.67	109
Bromomethane	10.40	9.93	95
Chloroethane	10.40	9.42	91
Dichlorofluoromethane	10.10	9.50	94
Ethanol	11.40	11.71	103
Vinyl Bromide	10.10	9.65	96
Acrolein	10.90	12.37	113
Acetone	10.60	10.22	96
Trichlorofluoromethane	10.50	10.30	98
2-Propanol (IPA)	11.00	12.29	112
Acrylonitrile	11.10	11.55	104
1,1-Dichloroethene	10.50	9.92	94
Methylene Chloride (DCM)	10.40	9.51	91
TertButanol (TBA)	11.20	13.36	119
Allyl Chloride	10.20	11.35	111
Carbon Disulfide	10.50	10.61	101
Trichlorotrifluoroethane	10.30	9.53	93
trans-1,2-Dichloroethene	10.80	10.56	98
1,1-Dichloroethane	10.70	10.75	100
Methyl Tert Butyl Ether (MTBE)	10.70	11.72	110
Vinyl Acetate	11.00	12.74	116
2-Butanone (MEK)	10.70	10.91	102
cis-1,2-Dichloroethene	10.70	10.40	97
Hexane	10.80	10.00	93
Chloroform	10.70	10.61	99
Ethyl Acetate	10.70	12.14	113
Tetrahydrofuran	10.40	9.37	90
1,2-Dichloroethane	10.60	10.83	102
1,1,1-Trichloroethane	10.50	10.69	102
Benzene	10.70	10.45	98
Carbon Tetrachloride	10.30	10.96	106
Cyclohexane	10.50	10.19	97

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.76	101
Bromodichloromethane	10.50	10.98	105
1,4-Dioxane	10.50	9.72	93
Trichloroethene (TCE)	10.50	10.08	96
2,2,4-Trimethylpentane	10.10	10.47	104
Methyl Methacrylate	11.00	11.57	105
Heptane	10.50	10.32	98
cis-1,3-Dichloropropene	10.50	11.02	105
4-Methyl-2-pentanone (MiBK)	10.50	10.83	103
trans-1,3-Dichloropropene	10.60	10.59	100
1,1,2-Trichloroethane	10.60	8.98	85
Toluene	10.80	10.16	94
2-Hexanone (MBK)	10.50	11.66	111
Dibromochloromethane	10.60	10.97	103
1,2-Dibromoethane	10.60	10.76	102
Tetrachloroethene (PCE)	10.50	9.77	93
Chlorobenzene	10.80	10.06	93
Ethylbenzene	10.60	10.26	97
m & p-Xylene	21.20	19.64	93
Bromoform	10.60	11.44	108
Styrene	10.60	10.56	100
1,1,2,2-Tetrachloroethane	10.60	10.10	95
o-Xylene	10.60	10.32	97
1,2,3-Trichloropropane	11.00	11.31	103
Isopropylbenzene (Cumene)	10.40	10.18	98
α-Pinene	10.80	9.68	90
2-Chlorotoluene	10.30	10.32	100
n-Propylbenzene	10.10	10.12	100
4-Ethyltoluene	10.40	9.60	92
1,3,5-Trimethylbenzene	10.30	10.00	97
β-Pinene	10.90	10.80	99
1,2,4-Trimethylbenzene	10.30	9.92	96
Benzyl Chloride (a-Chlorotoluene)	10.30	11.69	113
1,3-Dichlorobenzene	10.30	10.60	103
1,4-Dichlorobenzene	10.20	9.51	93
Sec-ButylBenzene	10.00	9.63	96
1,2-Dichlorobenzene	10.40	9.89	95
n-ButylBenzene	10.20	9.18	90
1,2-Dibromo-3-Chloropropane	10.10	10.29	102
1,2,4-Trichlorobenzene	10.50	10.13	96
Naphthalene	10.90	10.56	97
Hexachlorobutadiene	10.80	10.25	95

[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 : 09/17/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	10.03	9.67	107	103	3.7
1,1-Dichloroethene	0.0	10.50	9.92	9.78	94	93	1.4
Methylene Chloride (DCM)	0.0	10.40	9.51	9.61	91	92	1.0
Benzene	0.0	10.70	10.45	10.27	98	96	1.7
Trichloroethene (TCE)	0.0	10.50	10.08	9.99	96	95	0.9
Toluene	0.0	10.80	10.16	10.31	94	95	1.5
Tetrachloroethene (PCE)	0.0	10.50	9.77	10.16	93	97	3.9
Chlorobenzene	0.0	10.80	10.06	9.73	93	90	3.3
Ethylbenzene	0.0	10.60	10.26	10.05	97	95	2.1
m & p-Xylene	0.0	21.20	19.64	19.36	93	91	1.4
o-Xylene	0.0	10.60	10.32	10.16	97	96	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 : 09/17/2024 | **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 091724*	*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 091724*	*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	1.0
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 : 09/17/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1.73

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242140-63800

Analyte Compounds	*Sample*	*Duplicate*	*RPD*[2]
4-BFB (surrogate standard)	8.73	8.83	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	11.3	10.4	8.7
Methanol	26.9	27.2	1.3
1,3-Butadiene	<SRL	<SRL	*NA*
Bromomethane	<SRL	<SRL	*NA*
Chloroethane	<SRL	<SRL	*NA*
Dichlorofluoromethane	<SRL	<SRL	*NA*
Ethanol	4.39	4.51	2.7
Vinyl Bromide	<SRL	<SRL	*NA*
Acrolein	<SRL	<SRL	*NA*
Acetone	8.31	8.27	0.4
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)

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CHAIN OF CUSTODY RECORD 242149

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Land Fill Air/odor sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**	**No. Of Containers**
Charles Roberts	C Roll	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
MS-07	9-9/10-24	0804 - 0804	63795	6L Summa Canister	X	X			-13Hg	002123 / 000884
MS-12	9-9/10-24	0812 - 0814	63796	6L Summa Canister	X	X			-8Hg	002135 / 05097
MS-08	9-9/10-24	0838 - 0838	63797	6L Summa Canister	X	X			-7Hg	002091 / FC76
MS-09	9-9/10-24	0856 - 0856	63798	6L Summa Canister	X	X			-9Hg	002132 / 19510
MS-10	9-9/10-24	0918 - 0918	63799	6L Summa Canister	X	X			-12Hg	002153 / 19593
~~MS-06~~	~~9-9/10-24~~	~~0936 - 0936~~	Do not Analyze	~~6L Summa Canister~~	~~X~~	~~X~~			~~-22Hg~~	~~002021 / 19512~~
MS-11	9-9/10-24	1000 - 1004	63800	6L Summa Canister	X	X			-4Hg	001981 / 19504

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	9-10-24	1105			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	1107	9/10/24
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 (1w mid) + 7L coated Entech

CHAIN OF CUSTODY RECORD 24 2140

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roberts

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	9-9/10-24	0804 - 0804	63801	10 Liter Bag	X					
MS-12	9-9/10-24	0812 - 0814	63802	10 Liter Bag	X					
MS-08	9-9/10-24	0838 - 0838	63803	10 Liter Bag	X					
MS-09	9-9/10-24	0856 - 0856	63804	10 Liter Bag	X					
MS-10	9-9/10-24	0918 - 0918	63805	10 Liter Bag	X					
MS-06	9-9/10-24	0936 - 0936	63806	10 Liter Bag	X					
MS-11	9-9/10-24	1000 - 1004	63807	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	9-10-24	1105			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	1107	9/10/24
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. : 242140
REPORT DATE : 09/12/2024

On September 10th 2024, Atmospheric Analysis & Consulting, Inc. received six (6) 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	242140-63795	618.7	MS-07	242140-63801
MS-12	242140-63796	484.9	MS-12	242140-63802
MS-08	242140-63797	557.0	MS-08	242140-63803
MS-09	242140-63798	572.3	MS-09	242140-63804
MS-10	242140-63799	432.1	MS-10	242140-63805
MS-11	242140-63800	594.2	MS-06	242140-63806
-	-	-	MS-11	242140-63807

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. : 242140
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE ; 09/09-10/2024
RECEIVING DATE : 09/10/2024
ANALYSIS DATE : 09/11/2024
REPORT DATE : 09/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09	MS-10	MS-11
AAC ID	242140-63795	242140-63796	242140-63797	242140-63798	242140-63799	242140-63800
Canister Dil. Fac.	1.65	2.11	1.83	1.78	2.36	1.73
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
COS / SO2	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Methyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Ethyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Dimethyl Sulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Carbon Disulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Isopropyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
tert-Butyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
n-Propyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Methylethylsulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
iso-Butyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Diethyl Sulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
n-Butyl Mercaptan	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Dimethyl Disulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
2-Methylthiophene	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
3-Methylthiophene	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Tetrahydrothiophene	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Bromothiophene	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Thiophenol	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Diethyl Disulfide	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Total Unidentified Sulfur	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 0.009
Total Reduced Sulfurs	< 0.008	< 0.011	< 0.009	< 0.009	< 0.012	< 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.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242140
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE ; 09/09-10/2024
RECEIVING DATE : 09/10/2024
ANALYSIS DATE : 09/10/2024
REPORT DATE : 09/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242140-63801	242140-63802	242140-63803	242140-63804
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 Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242140
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE ; 09/09-10/2024
RECEIVING DATE : 09/10/2024
ANALYSIS DATE : 09/10/2024
REPORT DATE : 09/12/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242140-63805	242140-63806	242140-63807
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 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: 9/10/2024
Analyst: NR/DM
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	10557	0.489	95.8	1.0
Duplicate	10572	0.490	95.9	0.8
Triplicate	10852	0.503	98.5	1.8

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8849	0.477	95.1	4.2
Duplicate	9482	0.512	101.9	2.6
Triplicate	9392	0.507	100.9	1.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12462	0.517	104.0	1.0
Duplicate	12156	0.504	101.5	1.5
Triplicate	12393	0.514	103.5	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **242134-63771 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.236	0.241	92.4	94.3	2.1
MeSH	<PQL	0.251	0.234	0.258	93.2	102.8	9.8
DMS	<PQL	0.249	0.258	0.272	103.8	109.5	5.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.484	94.7
MeSH	0.502	0.481	95.8
DMS	0.497	0.503	101.2

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: 9/11/2024
Analyst: NR/DM
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	10624	0.493	96.4	0.1
Duplicate	10661	0.494	96.7	0.3
Triplicate	10606	0.492	96.2	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	9264	0.500	99.6	0.9
Duplicate	9336	0.504	100.3	1.7
Triplicate	8944	0.483	96.1	2.6

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12031	0.499	100.4	0.0
Duplicate	11829	0.491	98.8	1.7
Triplicate	12232	0.508	102.1	1.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **242134-63771 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.236	0.232	92.4	90.8	1.7
MeSH	<PQL	0.251	0.235	0.259	93.6	103.2	9.7
DMS	<PQL	0.249	0.257	0.259	103.4	104.2	0.8

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.475	93.0
MeSH	0.502	0.482	96.0
DMS	0.497	0.494	99.4

** 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

CHAIN OF CUSTODY RECORD 242143

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Land Fill Air/Odor sampling	Valencia, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) Charles Roberts	**(Signature)** C Roll	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	30 TO-15 Sulfur	TO-15 Full List	Final Pressure	Remarks Canister / Controller
MS-07	9-9/10-24	0804 - 0804	63795	6L Summa Canister	X	X	-13 Hg	002123 / 00C864
MS-12	9-9/10-24	0812 - 0814	63796	6L Summa Canister	X	X	-8 Hg	002135 / 05097
MS-08	9-9/10-24	0838 - 0838	63797	6L Summa Canister	X	X	-7 Hg	002091 / RC76
MS-09	9-9/10-24	0856 - 0856	63798	6L Summa Canister	X	X	-9 Hg	002132 / 19510
MS-10	9-9/10-24	0918 - 0918	63799	6L Summa Canister	X	X	-4 Hg	002153 / 19593
~~MS-06~~	~~9-9/10-24~~	~~0930 - 0936~~	Do not Analyze	~~6L Summa Canister~~	~~X~~	~~X~~	~~-12 Hg~~	~~002091 / 19512~~
MS-11	9-9/10-24	1000 - 1004	63800	6L Summa Canister	X	X	-4 Hg	002181 / 19504

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	9-10-24	1105			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	1107	9/10/24
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 Entech (1 in void)

CHAIN OF CUSTODY RECORD 24240

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) Charles Roberts	**(Signature)** C Roberts	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	9-9/10-24	0804 - 0804	63801	10 Liter Bag	X					
MS-12	9-9/10-24	0812 - 0814	63802	10 Liter Bag	X					
MS-08	9-9/10-24	0828 - 0838	63803	10 Liter Bag	X					
MS-09	9-9/10-24	0856 - 0856	63804	10 Liter Bag	X					
MS-10	9-9/10-24	0918 - 0918	63805	10 Liter Bag	X					
MS-06	9-9/10-24	0936 - 0936	63806	10 Liter Bag	X					
MS-11	9-9/10-24	1000 - 1004	63807	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	9-10-24	1105			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	1107 9/10/24	
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. : 242198
REPORT DATE : 09/24/2024

On September 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	242198-64107	673.8
MS-12	242198-64108	649.1
MS-08	242198-64109	647.0
MS-09	242198-64110	711.1
MS-10	242198-64111	685.7
MS-06	242198-64112	684.5
MS-11	242198-64113	711.7

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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64107				242198-64108				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.52				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Propene	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Dichlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Chloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methanol	<SRL	U	1	7.58	<SRL	U	1	7.83	5.00
1,3-Butadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromomethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Dichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethanol	<SRL	U	1	3.03	<SRL	U	1	3.13	2.00
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Acetone	<SRL	U	1	3.03	<SRL	U	1	3.13	2.00
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Propanol (IPA)	<SRL	U	1	3.03	<SRL	U	1	3.13	2.00
Acrylonitrile	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Allyl Chloride	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Carbon Disulfide	<SRL	U	1	3.03	<SRL	U	1	3.13	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Vinyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Butanone (MEK)	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chloroform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethyl Acetate	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrahydrofuran	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzene	<SRL	U	1	0.76	<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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64107				242198-64108				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.52				1.57				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Cyclohexane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichloropropane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Bromodichloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dioxane	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Trichloroethene (TCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Heptane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Toluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
2-Hexanone (MBK)	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Dibromochloromethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dibromoethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Chlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Ethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
m & p-Xylene	<SRL	U	1	1.52	<SRL	U	1	1.57	1.00
Bromoform	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Styrene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
o-Xylene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
4-Ethyltoluene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
Hexachlorobutadiene	<SRL	U	1	0.76	<SRL	U	1	0.78	0.50
BFB-Surrogate Std. % Recovery		95%				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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64109				242198-64110				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.58				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Propene	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Dichlorodifluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Vinyl Chloride	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methanol	<SRL	U	1	7.90	<SRL	U	1	7.38	5.00
1,3-Butadiene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Bromomethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Dichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethanol	<SRL	U	1	3.16	<SRL	U	1	2.95	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Acetone	<SRL	U	1	3.16	4.09		1	2.95	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Propanol (IPA)	<SRL	U	1	3.16	<SRL	U	1	2.95	2.00
Acrylonitrile	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Allyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Carbon Disulfide	<SRL	U	1	3.16	<SRL	U	1	2.95	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Vinyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Butanone (MEK)	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Hexane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chloroform	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethyl Acetate	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Tetrahydrofuran	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Benzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64109				242198-64110				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.58				1.48				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Trichloroethene (TCE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Dibromochloromethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.48	1.00
Bromoform	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.79	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64111				242198-64112				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.48				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Propene	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methanol	<SRL	U	1	7.40	<SRL	U	1	7.56	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethanol	<SRL	U	1	2.96	4.71		1	3.02	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Acetone	3.14		1	2.96	5.62		1	3.02	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	2.96	<SRL	U	1	3.02	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Allyl Chloride	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Carbon Disulfide	<SRL	U	1	2.96	<SRL	U	1	3.02	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Vinyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Butanone (MEK)	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64111				242198-64112				
Date Sampled	09/16/2024				09/16/2024				
Date Analyzed	09/23/2024				09/23/2024				
Can Dilution Factor	1.48				1.51				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dioxane	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
2-Hexanone (MBK)	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
m & p-Xylene	<SRL	U	1	1.48	<SRL	U	1	1.51	1.00
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.76	0.50
BFB-Surrogate Std. % Recovery		95%				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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64113				
Date Sampled	09/16/2024				
Date Analyzed	09/23/2024				
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	0.73		1	0.72	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.72	0.50
Vinyl Chloride	<SRL	U	1	0.72	0.50
Methanol	42.1		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	<SRL	U	1	2.87	2.00
Vinyl Bromide	<SRL	U	1	0.72	0.50
Acetone	3.63		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 : 242198
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/17/2024
DATE REPORTED : 09/24/2024
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	242198-64113				
Date Sampled	09/16/2024				
Date Analyzed	09/23/2024				
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		99%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.48	101
Chlorodifluoromethane	10.20	10.12	99
Propene	10.70	10.47	98
Dichlorodifluoromethane	10.40	10.70	103
Dimethyl Ether	10.10	9.62	95
Chloromethane	10.50	10.08	96
Dichlorotetrafluoroethane	10.20	10.11	99
Vinyl Chloride	10.60	10.94	103
Acetaldehyde	20.90	23.10	111
Methanol	20.40	20.34	100
1,3-Butadiene	10.70	11.15	104
Bromomethane	10.40	10.38	100
Chloroethane	10.40	10.67	103
Dichlorofluoromethane	10.10	10.15	100
Ethanol	11.40	10.95	96
Vinyl Bromide	10.10	10.22	101
Acrolein	10.90	11.74	108
Acetone	10.60	10.19	96
Trichlorofluoromethane	10.50	10.32	98
2-Propanol (IPA)	11.00	10.47	95
Acrylonitrile	11.10	10.84	98
1,1-Dichloroethene	10.50	10.65	101
Methylene Chloride (DCM)	10.40	10.16	98
TertButanol (TBA)	11.20	11.01	98
Allyl Chloride	10.20	10.61	104
Carbon Disulfide	10.50	10.84	103
Trichlorotrifluoroethane	10.30	10.20	99
trans-1,2-Dichloroethene	10.80	11.27	104
1,1-Dichloroethane	10.70	10.59	99
Methyl Tert Butyl Ether (MTBE)	10.70	10.94	102
Vinyl Acetate	11.00	11.22	102
2-Butanone (MEK)	10.70	10.76	101
cis-1,2-Dichloroethene	10.70	11.20	105
Hexane	10.80	9.87	91
Chloroform	10.70	10.81	101
Ethyl Acetate	10.70	11.04	103
Tetrahydrofuran	10.40	9.60	92
1,2-Dichloroethane	10.60	10.40	98
1,1,1-Trichloroethane	10.50	10.29	98
Benzene	10.70	10.89	102
Carbon Tetrachloride	10.30	9.86	96
Cyclohexane	10.50	10.20	97

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	10.69	100
Bromodichloromethane	10.50	10.27	98
1,4-Dioxane	10.50	10.20	97
Trichloroethene (TCE)	10.50	10.21	97
2,2,4-Trimethylpentane	10.10	9.66	96
Methyl Methacrylate	11.00	11.14	101
Heptane	10.50	10.64	101
cis-1,3-Dichloropropene	10.50	10.45	100
4-Methyl-2-pentanone (MiBK)	10.50	10.10	96
trans-1,3-Dichloropropene	10.60	10.37	98
1,1,2-Trichloroethane	10.60	9.48	89
Toluene	10.80	10.75	100
2-Hexanone (MBK)	10.50	10.46	100
Dibromochloromethane	10.60	10.26	97
1,2-Dibromoethane	10.60	10.53	99
Tetrachloroethene (PCE)	10.50	9.70	92
Chlorobenzene	10.80	10.24	95
Ethylbenzene	10.60	10.42	98
m & p-Xylene	21.20	20.26	96
Bromoform	10.60	9.76	92
Styrene	10.60	10.68	101
1,1,2,2-Tetrachloroethane	10.60	9.92	94
o-Xylene	10.60	10.59	100
1,2,3-Trichloropropane	11.00	10.93	99
Isopropylbenzene (Cumene)	10.40	10.28	99
α-Pinene	10.80	10.02	93
2-Chlorotoluene	10.30	10.10	98
n-Propylbenzene	10.10	10.06	100
4-Ethyltoluene	10.40	9.73	94
1,3,5-Trimethylbenzene	10.30	9.89	96
β-Pinene	10.90	9.79	90
1,2,4-Trimethylbenzene	10.30	9.90	96
Benzyl Chloride (a-Chlorotoluene)	10.30	8.93	87
1,3-Dichlorobenzene	10.30	10.44	101
1,4-Dichlorobenzene	10.20	9.73	95
Sec-ButylBenzene	10.00	9.98	100
1,2-Dichlorobenzene	10.40	10.00	96
n-ButylBenzene	10.20	9.58	94
1,2-Dibromo-3-Chloropropane	10.10	8.95	89
1,2,4-Trichlorobenzene	10.50	9.70	92
Naphthalene	10.90	10.36	95
Hexachlorobutadiene	10.80	8.95	83

[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 : 09/23/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.48	9.26	101	99	2.3
1,1-Dichloroethene	0.0	10.50	10.65	10.55	101	100	0.9
Methylene Chloride (DCM)	0.0	10.40	10.16	9.95	98	96	2.1
Benzene	0.0	10.70	10.89	10.95	102	102	0.5
Trichloroethene (TCE)	0.0	10.50	10.21	10.26	97	98	0.5
Toluene	0.0	10.80	10.75	11.01	100	102	2.4
Tetrachloroethene (PCE)	0.0	10.50	9.70	10.54	92	100	8.3
Chlorobenzene	0.0	10.80	10.24	10.36	95	96	1.2
Ethylbenzene	0.0	10.60	10.42	10.37	98	98	0.5
m & p-Xylene	0.0	21.20	20.26	19.92	96	94	1.7
o-Xylene	0.0	10.60	10.59	10.41	100	98	1.7

[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 : 09/23/2024
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 092324*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	0%	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 092324*	*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 : 09/23/2024
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: TO15 CCV

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.48	9.26	2.3
Chlorodifluoromethane	10.1	9.84	2.8
Propene	10.5	10.1	4.1
Dichlorodifluoromethane	10.7	10.9	1.9
Dimethyl Ether	9.62	9.70	0.8
Chloromethane	10.1	10.3	1.9
Dichlorotetrafluoroethane	10.1	9.81	3.0
Vinyl Chloride	10.9	10.7	2.0
Acetaldehyde	23.1	19.8	15.4
Methanol	20.3	22.1	8.1
1,3-Butadiene	11.2	11.1	0.5
Bromomethane	10.4	10.2	1.4
Chloroethane	10.7	10.2	4.9
Dichlorofluoromethane	10.2	9.92	2.3
Ethanol	11.0	10.7	2.5
Vinyl Bromide	10.2	9.81	4.1
Acrolein	11.7	11.1	6.0
Acetone	10.2	9.71	4.8
Trichlorofluoromethane	10.3	10.1	2.5
2-Propanol (IPA)	10.5	10.6	1.1
Acrylonitrile	10.8	11.0	1.0
1,1-Dichloroethene	10.7	10.6	0.9
Methylene Chloride (DCM)	10.2	9.95	2.1
TertButanol (TBA)	11.0	11.1	0.4
Allyl Chloride	10.6	10.2	3.5
Carbon Disulfide	10.8	10.9	0.5
Trichlorotrifluoroethane	10.2	9.84	3.6
trans-1,2-Dichloroethene	11.3	11.2	0.9
1,1-Dichloroethane	10.6	10.6	0.2
Methyl Tert Butyl Ether (MTBE)	10.9	10.2	6.8
Vinyl Acetate	11.2	11.1	0.8
2-Butanone (MEK)	10.8	11.0	2.6
cis-1,2-Dichloroethene	11.2	10.9	2.7
Hexane	9.87	11.3	13.2
Chloroform	10.8	10.8	0.2
Ethyl Acetate	11.0	11.2	1.3
Tetrahydrofuran	9.60	9.76	1.7
1,2-Dichloroethane	10.4	10.4	0.2
1,1,1-Trichloroethane	10.3	10.2	0.5
Benzene	10.9	11.0	0.5
Carbon Tetrachloride	9.86	10.2	3.0
Cyclohexane	10.2	10.2	0.2

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	10.7	10.8	1.3
Bromodichloromethane	10.3	10.4	1.3
1,4-Dioxane	10.2	10.4	2.0
Trichloroethene (TCE)	10.2	10.3	0.5
2,2,4-Trimethylpentane	9.66	9.80	1.4
Methyl Methacrylate	11.1	11.4	2.3
Heptane	10.6	10.7	0.5
cis-1,3-Dichloropropene	10.5	10.8	3.4
4-Methyl-2-pentanone (MiBK)	10.1	10.3	1.9
trans-1,3-Dichloropropene	10.4	11.7	11.7
1,1,2-Trichloroethane	9.48	11.6	19.7
Toluene	10.8	11.0	2.4
2-Hexanone (MBK)	10.5	10.7	2.5
Dibromochloromethane	10.3	10.2	1.1
1,2-Dibromoethane	10.5	10.4	1.3
Tetrachloroethene (PCE)	9.70	10.5	8.3
Chlorobenzene	10.2	10.4	1.2
Ethylbenzene	10.4	10.4	0.5
m & p-Xylene	20.3	19.9	1.7
Bromoform	9.76	9.76	0.0
Styrene	10.7	10.4	3.1
1,1,2,2-Tetrachloroethane	9.92	9.90	0.2
o-Xylene	10.6	10.4	1.7
1,2,3-Trichloropropane	10.9	10.7	2.1
Isopropylbenzene (Cumene)	10.3	9.98	3.0
α-Pinene	10.0	10.2	1.9
2-Chlorotoluene	10.1	9.89	2.1
n-Propylbenzene	10.1	9.57	5.0
4-Ethyltoluene	9.73	9.53	2.1
1,3,5-Trimethylbenzene	9.89	9.72	1.7
β-Pinene	9.79	9.80	0.1
1,2,4-Trimethylbenzene	9.90	9.51	4.0
Benzyl Chloride (a-Chlorotoluene)	8.93	9.40	5.1
1,3-Dichlorobenzene	10.4	8.89	16.0
1,4-Dichlorobenzene	9.73	10.4	6.3
Sec-ButylBenzene	9.98	9.41	5.9
1,2-Dichlorobenzene	10.0	10.1	1.2
n-ButylBenzene	9.58	9.73	1.6
1,2-Dibromo-3-Chloropropane	8.95	9.46	5.5
1,2,4-Trichlorobenzene	9.70	9.92	2.2
Naphthalene	10.4	10.4	0.3
Hexachlorobutadiene	8.95	9.24	3.2

[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 242198

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roll

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
MS-07	9-16/17-24	0739 - 0739	64107	6L Summa Canister	X	X			-6 Hg	001937 / 03527
MS-12	9-16/17-24	0750 - 0750	64108	6L Summa Canister	X	X			-5 Hg	001934 / 17590
MS-08	9-16/17-24	0802 - 0802	64109	6L Summa Canister	X	X			-4 Hg	002097 / 17587
MS-09	9-16/17-24	0817 - 0817	64110	6L Summa Canister	X	X			-4 Hg	002067 / 2323
MS-10	9-16/17-24	0837 - 0840	64111	6L Summa Canister	X	X			-1 Hg	002126 / 19505
MS-06	9-16/17-24	0852 - 0855	64112	6L Summa Canister	X	X			-6 Hg	002121 / 17588
MS-11	9-16/17-24	0920 - 0923	64113	6L Summa Canister	X	X			-3 Hg	001930 / 17582

	Date	Time		Date	Time
Relinquished by: (Signature) C Roll	9-17-24	1031	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)** H	9/17/24	1034
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

7L can + 7L coated Entechs

CHAIN OF CUSTODY RECORD 242198

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/odor sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roll

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	9-16/17-24	0739-0739	64114	10 Liter Bag	X					
MS-12	9-16/17-24	0750-0750	64115	10 Liter Bag	X					
MS-08	9-16/17-24	0802-0802	64116	10 Liter Bag	X					
MS-09	9-16/17-24	0817-0817	64117	10 Liter Bag	X					
MS-10	9-16/17-24	0837-0840	64118	10 Liter Bag	X					
MS-06	9-16/17-24	0852-0855	64119	10 Liter Bag	X					
MS-11	9-16/17-24	0920-0923	64120	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	9-17-24	1031			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	9/17/24	1034
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. : 242198
REPORT DATE : 09/19/2024

On September 17th 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	242198-64107	673.8	MS-07	242198-64114
MS-12	242198-64108	649.1	MS-12	242198-64115
MS-08	242198-64109	647.0	MS-08	242198-64116
MS-09	242198-64110	711.1	MS-09	242198-64117
MS-10	242198-64111	685.7	MS-10	242198-64118
MS-06	242198-64112	684.5	MS-06	242198-64119
MS-11	242198-64113	711.7	MS-11	242198-64120

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. : 242198
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16-17/2024
RECEIVING DATE : 09/17/2024
ANALYSIS DATE : 09/18/2024
REPORT DATE : 09/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242198-64107	242198-64108	242198-64109	242198-64110
Canister Dil. Fac.	1.52	1.57	1.58	1.48
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.008	< 0.008	< 0.007
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	< 0.008	< 0.008	< 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. : 242198
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16-17/2024
RECEIVING DATE : 09/17/2024
ANALYSIS DATE : 09/18/2024
REPORT DATE : 09/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242198-64111	242198-64112	242198-64113
Canister Dil. Fac.	1.48	1.51	1.44
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. : 242198
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16-17/2024
RECEIVING DATE : 09/17/2024
ANALYSIS DATE : 09/17/2024
REPORT DATE : 09/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	242198-64114	242198-64115	242198-64116	242198-64117
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242198
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/16-17/2024
RECEIVING DATE : 09/17/2024
ANALYSIS DATE : 09/17/2024
REPORT DATE : 09/19/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	242198-64118	242198-64119	242198-64120
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 Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/17/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7589	0.533	104.4	0.4
Duplicate	7545	0.530	103.8	0.2
Triplicate	7543	0.530	103.7	0.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6280	0.524	104.3	0.3
Duplicate	6276	0.523	104.3	0.2
Triplicate	6234	0.520	103.6	0.5

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8857	0.517	104.0	0.5
Duplicate	8911	0.520	104.6	0.2
Triplicate	8925	0.521	104.8	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242193-64084**

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 **242193-64084 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.242	0.234	94.7	91.6	3.4
MeSH	<PQL	0.251	0.234	0.239	93.2	95.2	2.1
DMS	<PQL	0.249	0.241	0.242	97.0	97.4	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.503	98.4
MeSH	0.502	0.518	103.2
DMS	0.497	0.514	103.4

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: 9/18/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7341	0.516	101.0	1.2
Duplicate	7247	0.509	99.7	0.1
Triplicate	7166	0.504	98.5	1.2

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6316	0.527	104.9	1.3
Duplicate	6285	0.524	104.4	0.8
Triplicate	6109	0.510	101.5	2.0

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8822	0.515	103.6	0.9
Duplicate	8691	0.507	102.1	0.6
Triplicate	8707	0.508	102.3	0.4

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 240745-56259**

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 **240745-56259 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.259	0.251	101.4	98.2	3.1
MeSH	<PQL	0.251	0.264	0.268	105.2	106.8	1.5
DMS	<PQL	0.249	0.271	0.269	109.1	108.2	0.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.500	97.8
MeSH	0.502	0.494	98.4
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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CHAIN OF CUSTODY RECORD 242198

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roll

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List			EPA Pressure	Remarks Canister / Controller
MS-07	9-16/17-24	0739 - 0739	64107	6L Summa Canister	X	X			-6 Hg	001937 / 03527
MS-12	9-16/17-24	0750 - 0750	64108	6L Summa Canister	X	X			-5 Hg	001934 / 17590
MS-08	9-16/17-24	0802 - 0802	64109	6L Summa Canister	X	X			-4 Hg	002097 / 17587
MS-09	9-16/17-24	0817 - 0817	64110	6L Summa Canister	X	X			-4 Hg	002067 / 2323
MS-10	9-16/17-24	0837 - 0840	64111	6L Summa Canister	X	X			-1 Hg	002126 / 19505
MS-06	9-16/17-24	0852 - 0855	64112	6L Summa Canister	X	X			-6 Hg	002121 / 17588
MS-11	9-16/17-24	0920 - 0923	64113	6L Summa Canister	X	X			-3 Hg	001930 / 17582

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	9-17-24	1031			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	9/17/24	1034
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 Evacuts

CHAIN OF CUSTODY RECORD 242198

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Landfill Air/odor sampling	Valencia, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) Charles Roberts	**(Signature)** C Roll	**No. Of Containers** 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	9-16/17-24	0737 - 0739	64114	10 Liter Bag	X					
MS-12	9-16/17-24	0750 - 0750	64115	10 Liter Bag	X					
MS-08	9-16/17-24	0802 - 0802	64116	10 Liter Bag	X					
MS-09	9-16/17-24	0817 - 0817	64117	10 Liter Bag	X					
MS-10	9-16/17-24	0837 - 0840	64118	10 Liter Bag	X					
MS-06	9-16/17-24	0852 - 0855	64119	10 Liter Bag	X					
MS-11	9-16/17-24	0920 - 0923	64120	10 Liter Bag	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roll	9-17-24	1031			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)** H	**Date** 9/17/24	**Time** 1039
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.	: 242255
REPORT DATE	: 09/27/2024

On September 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	242255-64398	637.5
MS-12	242255-64399	494.3
MS-08	242255-64400	598.4
MS-09	242255-64401	586.7
MS-10	242255-64402	543.6
MS-06	242255-64403	258.3
MS-11	242255-64404	630.8

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 : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64398				242255-64399				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.59				2.08				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Propene	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Dichlorodifluoromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Chloromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Vinyl Chloride	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Methanol	8.54		1	7.95	<SRL	U	1	10.4	5.00
1,3-Butadiene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Bromomethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Chloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Dichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Ethanol	5.19		1	3.18	5.04		1	4.15	2.00
Vinyl Bromide	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Acetone	7.16		1	3.18	6.91		1	4.15	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
2-Propanol (IPA)	<SRL	U	1	3.18	<SRL	U	1	4.15	2.00
Acrylonitrile	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,1-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Allyl Chloride	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Carbon Disulfide	<SRL	U	1	3.18	<SRL	U	1	4.15	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,1-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Vinyl Acetate	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
2-Butanone (MEK)	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Hexane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Chloroform	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Ethyl Acetate	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Tetrahydrofuran	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2-Dichloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Benzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64398				242255-64399				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.59				2.08				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Cyclohexane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2-Dichloropropane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Bromodichloromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,4-Dioxane	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Trichloroethene (TCE)	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Heptane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Toluene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
2-Hexanone (MBK)	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Dibromochloromethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2-Dibromoethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Chlorobenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Ethylbenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
m & p-Xylene	<SRL	U	1	1.59	<SRL	U	1	2.08	1.00
Bromoform	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Styrene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
o-Xylene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
4-Ethyltoluene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
Hexachlorobutadiene	<SRL	U	1	0.80	<SRL	U	1	1.04	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64400				242255-64401				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.70				1.74				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Propene	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Dichlorodifluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Chloromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Vinyl Chloride	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Methanol	<SRL	U	1	8.48	<SRL	U	1	8.69	5.00
1,3-Butadiene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Bromomethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Chloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Dichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Ethanol	4.58		1	3.39	4.92		1	3.47	2.00
Vinyl Bromide	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Acetone	5.34		1	3.39	8.20		1	3.47	2.00
Trichlorofluoromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
2-Propanol (IPA)	<SRL	U	1	3.39	<SRL	U	1	3.47	2.00
Acrylonitrile	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,1-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Allyl Chloride	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Carbon Disulfide	<SRL	U	1	3.39	<SRL	U	1	3.47	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,1-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Vinyl Acetate	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
2-Butanone (MEK)	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Hexane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Chloroform	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Ethyl Acetate	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Tetrahydrofuran	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2-Dichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Benzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64400				242255-64401				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.70				1.74				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Cyclohexane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2-Dichloropropane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Bromodichloromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,4-Dioxane	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Trichloroethene (TCE)	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Heptane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Toluene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
2-Hexanone (MBK)	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Dibromochloromethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2-Dibromoethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Chlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Ethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
m & p-Xylene	<SRL	U	1	1.70	<SRL	U	1	1.74	1.00
Bromoform	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Styrene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
o-Xylene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
4-Ethyltoluene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
Hexachlorobutadiene	<SRL	U	1	0.85	<SRL	U	1	0.87	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64402				242255-64403				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.90				3.95				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Propene	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Dichlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Chloromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Vinyl Chloride	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Methanol	<SRL	U	1	9.49	<SRL	U	1	19.8	5.00
1,3-Butadiene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Bromomethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Chloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Dichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Ethanol	<SRL	U	1	3.80	<SRL	U	1	7.91	2.00
Vinyl Bromide	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Acetone	6.47		1	3.80	17.3		1	7.91	2.00
Trichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
2-Propanol (IPA)	<SRL	U	1	3.80	<SRL	U	1	7.91	2.00
Acrylonitrile	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,1-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Allyl Chloride	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Carbon Disulfide	<SRL	U	1	3.80	<SRL	U	1	7.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,1-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Vinyl Acetate	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
2-Butanone (MEK)	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Hexane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Chloroform	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Ethyl Acetate	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Tetrahydrofuran	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Benzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64402				242255-64403				
Date Sampled	09/23/2024				09/23/2024				
Date Analyzed	09/26/2024				09/26/2024				
Can Dilution Factor	1.90				3.95				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Cyclohexane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2-Dichloropropane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Bromodichloromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,4-Dioxane	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Trichloroethene (TCE)	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Heptane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Toluene	<SRL	U	1	0.95	3.12		1	1.98	0.50
2-Hexanone (MBK)	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Dibromochloromethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2-Dibromoethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Chlorobenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Ethylbenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
m & p-Xylene	<SRL	U	1	1.90	<SRL	U	1	3.95	1.00
Bromoform	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Styrene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
o-Xylene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
4-Ethyltoluene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
Hexachlorobutadiene	<SRL	U	1	0.95	<SRL	U	1	1.98	0.50
BFB-Surrogate Std. % Recovery		94%				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 : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64404				
Date Sampled	09/23/2024				
Date Analyzed	09/26/2024				
Can Dilution Factor	1.61				
Compound	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.80	0.50
Propene	<SRL	U	1	1.61	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	10.4		1	8.05	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	3.62		1	3.22	2.00
Vinyl Bromide	<SRL	U	1	0.80	0.50
Acetone	6.73		1	3.22	2.00
Trichlorofluoromethane	<SRL	U	1	0.80	0.50
2-Propanol (IPA)	<SRL	U	1	3.22	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	1.61	1.00
Allyl Chloride	<SRL	U	1	1.61	1.00
Carbon Disulfide	<SRL	U	1	3.22	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	1.61	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

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242255
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 09/24/2024
DATE REPORTED : 09/27/2024
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	242255-64404				
Date Sampled	09/23/2024				
Date Analyzed	09/26/2024				
Can Dilution Factor	1.61				
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	1.61	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	1.61	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	1.61	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		94%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source* [1]	*CCV* [2]	*% Recovery* [3]
4-BFB (surrogate standard)	9.40	9.39	100
Chlorodifluoromethane	10.20	10.34	101
Propene	10.70	11.10	104
Dichlorodifluoromethane	10.40	10.99	106
Dimethyl Ether	10.10	9.95	99
Chloromethane	10.50	10.71	102
Dichlorotetrafluoroethane	10.20	10.30	101
Vinyl Chloride	10.60	11.40	108
Acetaldehyde	20.90	21.98	105
Methanol	20.40	19.75	97
1,3-Butadiene	10.70	11.47	107
Bromomethane	10.40	10.29	99
Chloroethane	10.40	10.40	100
Dichlorofluoromethane	10.10	10.19	101
Ethanol	11.40	8.24	72
Vinyl Bromide	10.10	10.18	101
Acrolein	10.90	11.57	106
Acetone	10.60	10.25	97
Trichlorofluoromethane	10.50	10.60	101
2-Propanol (IPA)	11.00	8.70	79
Acrylonitrile	11.10	10.33	93
1,1-Dichloroethene	10.50	10.37	99
Methylene Chloride (DCM)	10.40	10.04	97
TertButanol (TBA)	11.20	11.86	106
Allyl Chloride	10.20	10.88	107
Carbon Disulfide	10.50	11.80	112
Trichlorotrifluoroethane	10.30	10.21	99
trans-1,2-Dichloroethene	10.80	11.50	106
1,1-Dichloroethane	10.70	10.92	102
Methyl Tert Butyl Ether (MTBE)	10.70	11.27	105
Vinyl Acetate	11.00	13.19	120
2-Butanone (MEK)	10.70	10.71	100
cis-1,2-Dichloroethene	10.70	10.96	102
Hexane	10.80	10.08	93
Chloroform	10.70	11.12	104
Ethyl Acetate	10.70	11.29	106
Tetrahydrofuran	10.40	9.47	91
1,2-Dichloroethane	10.60	10.72	101
1,1,1-Trichloroethane	10.50	11.02	105
Benzene	10.70	10.98	103
Carbon Tetrachloride	10.30	11.33	110
Cyclohexane	10.50	10.06	96

Analyte Compounds (Continued)	*Source* [1]	*CCV* [2]	*% Recovery* [3]
1,2-Dichloropropane	10.70	11.19	105
Bromodichloromethane	10.50	11.94	114
1,4-Dioxane	10.50	10.73	102
Trichloroethene (TCE)	10.50	10.44	99
2,2,4-Trimethylpentane	10.10	10.15	100
Methyl Methacrylate	11.00	11.66	106
Heptane	10.50	10.37	99
cis-1,3-Dichloropropene	10.50	11.54	110
4-Methyl-2-pentanone (MiBK)	10.50	11.37	108
trans-1,3-Dichloropropene	10.60	11.75	111
1,1,2-Trichloroethane	10.60	11.62	110
Toluene	10.80	11.12	103
2-Hexanone (MBK)	10.50	11.23	107
Dibromochloromethane	10.60	11.20	106
1,2-Dibromoethane	10.60	11.04	104
Tetrachloroethene (PCE)	10.50	10.77	103
Chlorobenzene	10.80	10.44	97
Ethylbenzene	10.60	10.41	98
m & p-Xylene	21.20	20.50	97
Bromoform	10.60	11.39	107
Styrene	10.60	10.52	99
1,1,2,2-Tetrachloroethane	10.60	10.36	98
o-Xylene	10.60	10.54	99
1,2,3-Trichloropropane	11.00	11.01	100
Isopropylbenzene (Cumene)	10.40	10.19	98
α-Pinene	10.80	9.59	89
2-Chlorotoluene	10.30	10.00	97
n-Propylbenzene	10.10	9.81	97
4-Ethyltoluene	10.40	9.63	93
1,3,5-Trimethylbenzene	10.30	9.79	95
β-Pinene	10.90	8.27	76
1,2,4-Trimethylbenzene	10.30	9.69	94
Benzyl Chloride (a-Chlorotoluene)	10.30	10.55	102
1,3-Dichlorobenzene	10.30	9.18	89
1,4-Dichlorobenzene	10.20	10.91	107
Sec-ButylBenzene	10.00	9.49	95
1,2-Dichlorobenzene	10.40	10.46	101
n-ButylBenzene	10.20	9.77	96
1,2-Dibromo-3-Chloropropane	10.10	10.81	107
1,2,4-Trichlorobenzene	10.50	10.30	98
Naphthalene	10.90	10.81	99
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.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/26/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.39	9.38	100	100	0.1
1,1-Dichloroethene	0.0	10.50	10.37	10.01	99	95	3.5
Methylene Chloride (DCM)	0.0	10.40	10.04	9.52	97	92	5.3
Benzene	0.0	10.70	10.98	10.78	103	101	1.8
Trichloroethene (TCE)	0.0	10.50	10.44	10.32	99	98	1.2
Toluene	0.0	10.80	11.12	10.95	103	101	1.5
Tetrachloroethene (PCE)	0.0	10.50	10.77	10.78	103	103	0.1
Chlorobenzene	0.0	10.80	10.44	9.94	97	92	4.9
Ethylbenzene	0.0	10.60	10.41	10.17	98	96	2.3
m & p-Xylene	0.0	21.20	20.50	19.46	97	92	5.2
o-Xylene	0.0	10.60	10.54	10.18	99	96	3.5

[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 : 09/26/2024
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 092624*	*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 092624*	*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 : 09/26/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x1959.69

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242230-64270

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	8.88	9.34	5.0
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	<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	63000	69300	9.5
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 242255

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**
Charles Roberts	C Roberts	7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
MS-07	9-23/24-24	0732-0732	64398	6L Summa Canister	X	X			-12 Hg	001849 / 000884
MS-12	9-23/24-24	0745-0745	64399	6L Summa Canister	X	X			-9 Hg	001800 / 05097
MS-08	9-23/24-24	0753-0754	64400	6L Summa Canister	X	X			-6 Hg	002075 / 19504
MS-09	9-23/24-24	0804-0809	64401	6L Summa Canister	X	X			-9 Hg	001830 / 19510
MS-10	9-23/24-24	0819-0824	64402	6L Summa Canister	X	X			-10 Hg	001950 / 19512
MS-06	9-23/24-24	0836-0842	64403	6L Summa Canister	X	X			-19 Hg	001989 / 19593
MS-11	9-23/24-24	0920-0920	64404	6L Summa Canister	X	X			-4 Hg	002089 / 17589

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	9-24-24	1016			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				9/24/24	1022
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 coated Entech's

CHAIN OF CUSTODY RECORD 242255

Client/Project Name	Project Location
SCS Engineers/ Chiquita Canyon Landfill Air/odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roberts

No. Of Containers: 7

ANALYSES: 307.91 Sulfur

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	Remarks
MS-07	9-23/24-24	0732-0732	64405	10 Liter Bag	X	
MS-12	9-23/24-24	0745-0745	64406	10 Liter Bag	X	
MS-08	9-23/24-24	0753-0754	64407	10 Liter Bag	X	
MS-09	9-23/24-24	0804-0809	64408	10 Liter Bag	X	
MS-10	9-23/24-24	0819-0824	64409	10 Liter Bag	X	
MS-06	9-23/24-24	0836-0842	64410	10 Liter Bag	X	
MS-11	9-23/24-24	0920-0920	64411	10 Liter Bag	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	9-24-24	1016			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	9/24/24	1022
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. : 242255
REPORT DATE : 09/26/2024

On September 24th 2024, Atmospheric Analysis & Consulting, Inc. received seven (7) 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	242255-64398	637.5	MS-07	242255-64405
MS-12	242255-64399	494.3	MS-12	242255-64406
MS-08	242255-64400	598.4	MS-08	242255-64407
MS-09	242255-64401	586.7	MS-09	242255-64408
MS-10	242255-64402	543.6	MS-10	242255-64409
MS-06	242255-64403	258.3	MS-06	242255-64410
MS-11	242255-64404	630.8	MS-11	242255-64411

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. : 242255
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23-24/2024
RECEIVING DATE : 09/24/2024
ANALYSIS DATE : 09/25/2024
REPORT DATE : 09/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08
AAC ID	242255-64398	242255-64399	242255-64400
Canister Dil. Fac.	1.59	2.08	1.70
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.010	< 0.008
COS / SO2	< 0.008	< 0.010	< 0.008
Methyl Mercaptan	< 0.008	< 0.010	< 0.008
Ethyl Mercaptan	< 0.008	< 0.010	< 0.008
Dimethyl Sulfide	< 0.008	< 0.010	< 0.008
Carbon Disulfide	< 0.008	< 0.010	< 0.008
Isopropyl Mercaptan	< 0.008	< 0.010	< 0.008
tert-Butyl Mercaptan	< 0.008	< 0.010	< 0.008
n-Propyl Mercaptan	< 0.008	< 0.010	< 0.008
Methylethylsulfide	< 0.008	< 0.010	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.010	< 0.008
iso-Butyl Mercaptan	< 0.008	< 0.010	< 0.008
Diethyl Sulfide	< 0.008	< 0.010	< 0.008
n-Butyl Mercaptan	< 0.008	< 0.010	< 0.008
Dimethyl Disulfide	< 0.008	< 0.010	< 0.008
2-Methylthiophene	< 0.008	< 0.010	< 0.008
3-Methylthiophene	< 0.008	< 0.010	< 0.008
Tetrahydrothiophene	< 0.008	< 0.010	< 0.008
Bromothiophene	< 0.008	< 0.010	< 0.008
Thiophenol	< 0.008	< 0.010	< 0.008
Diethyl Disulfide	< 0.008	< 0.010	< 0.008
Total Unidentified Sulfur	< 0.008	< 0.010	< 0.008
Total Reduced Sulfurs	< 0.008	< 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.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242255
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23-24/2024
RECEIVING DATE : 09/24/2024
ANALYSIS DATE : 09/25/2024
REPORT DATE : 09/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	242255-64401	242255-64402	242255-64403	242255-64404
Canister Dil. Fac.	1.74	1.90	3.95	1.61
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.009	< 0.009	< 0.020	< 0.008
COS / SO2	< 0.009	< 0.009	< 0.020	< 0.008
Methyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
Ethyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
Dimethyl Sulfide	< 0.009	< 0.009	< 0.020	< 0.008
Carbon Disulfide	< 0.009	< 0.009	< 0.020	< 0.008
Isopropyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
tert-Butyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
n-Propyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
Methylethylsulfide	< 0.009	< 0.009	< 0.020	< 0.008
sec-Butyl Mercaptan / Thiophene	< 0.009	< 0.009	< 0.020	< 0.008
iso-Butyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
Diethyl Sulfide	< 0.009	< 0.009	< 0.020	< 0.008
n-Butyl Mercaptan	< 0.009	< 0.009	< 0.020	< 0.008
Dimethyl Disulfide	< 0.009	< 0.009	< 0.020	< 0.008
2-Methylthiophene	< 0.009	< 0.009	< 0.020	< 0.008
3-Methylthiophene	< 0.009	< 0.009	< 0.020	< 0.008
Tetrahydrothiophene	< 0.009	< 0.009	< 0.020	< 0.008
Bromothiophene	< 0.009	< 0.009	< 0.020	< 0.008
Thiophenol	< 0.009	< 0.009	< 0.020	< 0.008
Diethyl Disulfide	< 0.009	< 0.009	< 0.020	< 0.008
Total Unidentified Sulfur	< 0.009	< 0.009	< 0.020	< 0.008
Total Reduced Sulfurs	< 0.009	< 0.009	< 0.020	< 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. : 242255
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23-24/2024
RECEIVING DATE : 09/24/2024
ANALYSIS DATE : 09/24/2024
REPORT DATE : 09/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08
AAC ID	242255-64405	242255-64406	242255-64407
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 Analysis Dil. Fac.

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LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242255
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/23-24/2024
RECEIVING DATE : 09/24/2024
ANALYSIS DATE : 09/24/2024
REPORT DATE : 09/26/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	242255-64408	242255-64409	242255-64410	242255-64411
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 Analysis Dil. Fac.

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Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 9/24/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7262	0.510	99.9	2.1
Duplicate	7405	0.520	101.8	0.2
Triplicate	7585	0.533	104.3	2.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6269	0.523	104.2	0.6
Duplicate	6153	0.513	102.2	1.3
Triplicate	6280	0.524	104.3	0.7

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8874	0.518	104.2	0.4
Duplicate	8767	0.512	103.0	0.9
Triplicate	8888	0.519	104.4	0.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242253-64393**

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 **242253-64393 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.231	0.232	90.4	90.8	0.4
MeSH	<PQL	0.251	0.226	0.231	90.0	92.0	2.2
DMS	<PQL	0.249	0.240	0.241	96.6	97.0	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.508	99.4
MeSH	0.502	0.511	101.8
DMS	0.497	0.517	104.0

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: 9/25/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7385	0.519	101.6	0.7
Duplicate	7394	0.520	101.7	0.6
Triplicate	7531	0.529	103.6	1.3

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6243	0.521	103.7	0.3
Duplicate	6285	0.524	104.4	0.4
Triplicate	6253	0.522	103.9	0.1

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8878	0.518	104.3	0.2
Duplicate	8883	0.518	104.3	0.1
Triplicate	8914	0.520	104.7	0.3

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242203-64137**

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 **242203-64137 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.270	0.263	105.7	102.9	2.6
MeSH	<PQL	0.251	0.265	0.269	105.6	107.2	1.5
DMS	<PQL	0.249	0.271	0.272	109.1	109.5	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.485	94.9
MeSH	0.502	0.500	99.6
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 24-2253

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Rob

No. Of Containers: 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	3C 7.91 Sulfur	TO-15 Full List			End pressure	Remarks Canister / Controller
MS-07	9-23/24-24	0732 - 0732	64398	6L Summa Canister	X	X			-12 Hg	001849 / 000884
MS-12	9-23/24-24	0745 - 0745	64399	6L Summa Canister	X	X			-7 Hg	001800 / 05097
MS-08	9-23/24-24	0753 - 0754	64400	6L Summa Canister	X	X			-6 Hg	002075 / 19504
MS-09	9-23/24-24	0804 - 0809	64401	6L Summa Canister	X	X			-9 Hg	001830 / 19510
MS-10	9-23/24-24	0819 - 0824	64402	6L Summa Canister	X	X			-10 Hg	001950 / 19512
MS-06	9-23/24-24	0836 - 0842	64403	6L Summa Canister	X	X			-11 Hg	001989 / 19593
MS-11	9-23/24-24	0920 - 0920	64404	6L Summa Canister	X	X			-4 Hg	002089 / 17589

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Rob	9-24-24	1016			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	9/24/24	1022

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 coated Entechs

CHAIN OF CUSTODY RECORD 24225

Client/Project Name	Project Location
SCS Engineers / Chiquita Canyon Landfill Air/Odor Sampling	Valencia, CA
Project No.	**Field Logbook No.**
Sampler: (Print)	**(Signature)**
Charles Roberts	C Roberts

No. Of Containers: 7

ANALYSES: 307.91 Sulfur

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	Remarks
MS-07	9-23/24-24	0732 - 0732	64405	10 Liter Bag	X	
MS-12	9-23/24-24	0745 - 0745	64406	10 Liter Bag	X	
MS-08	9-23/24-24	0753 - 0754	64407	10 Liter Bag	X	
MS-09	9-23/24-24	0804 - 0804	64408	10 Liter Bag	X	
MS-10	9-23/24-24	0819 - 0824	64409	10 Liter Bag	X	
MS-06	9-23/24-24	0836 - 0842	64410	10 Liter Bag	X	
MS-11	9-23/24-24	0920 - 0920	64411	10 Liter Bag	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C Roberts	9-24-24	1016			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				9/24/24	1022

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. : 242315
REPORT DATE : 10/03/2024

On October 1, 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-12	242315-64674	657.6
MS-08	242315-64675	580.6
MS-09	242315-64676	750.3
MS-10	242315-64677	600.1
MS-06	242315-64678	664.9
MS-11	242315-64679	479.1

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.

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	242315-64674				242315-64675				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.55				1.76				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Propene	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Methanol	<SRL	U	1	7.74	<SRL	U	1	8.78	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Ethanol	7.91		1	3.10	4.65		1	3.51	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Acetone	7.38		1	3.10	5.09		1	3.51	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
2-Propanol (IPA)	<SRL	U	1	3.10	<SRL	U	1	3.51	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Allyl Chloride	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Carbon Disulfide	<SRL	U	1	3.10	<SRL	U	1	3.51	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
2-Butanone (MEK)	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	242315-64674				242315-64675				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.55				1.76				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,4-Dioxane	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
2-Hexanone (MBK)	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
m & p-Xylene	<SRL	U	1	1.55	<SRL	U	1	1.76	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	0.88	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	0.88	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 : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
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	242315-64676				242315-64677				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.37				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Methanol	<SRL	U	1	6.83	<SRL	U	1	8.52	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Ethanol	4.22		1	2.73	4.62		1	3.41	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Acetone	26.8		1	2.73	5.20		1	3.41	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	<SRL	U	1	2.73	<SRL	U	1	3.41	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Carbon Disulfide	<SRL	U	1	2.73	<SRL	U	1	3.41	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
2-Butanone (MEK)	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50

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

Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
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	242315-64676				242315-64677				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.37				1.70				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
m & p-Xylene	<SRL	U	1	1.37	<SRL	U	1	1.70	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.85	0.50
BFB-Surrogate Std. % Recovery		98%				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 : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	242315-64678				242315-64679				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.54				2.12				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Propene	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Dichlorodifluoromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Chloromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Vinyl Chloride	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Methanol	<SRL	U	1	7.69	<SRL	U	1	10.6	5.00
1,3-Butadiene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Bromomethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Chloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Dichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Ethanol	3.94		1	3.08	4.27		1	4.25	2.00
Vinyl Bromide	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Acetone	7.63		1	3.08	9.81		1	4.25	2.00
Trichlorofluoromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
2-Propanol (IPA)	<SRL	U	1	3.08	<SRL	U	1	4.25	2.00
Acrylonitrile	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,1-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Allyl Chloride	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Carbon Disulfide	<SRL	U	1	3.08	<SRL	U	1	4.25	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,1-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Vinyl Acetate	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
2-Butanone (MEK)	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Hexane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Chloroform	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Ethyl Acetate	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Tetrahydrofuran	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2-Dichloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Benzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50

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Laboratory Analysis Report

CLIENT : SCS Engineers
PROJECT NO : 242315
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 10/01/2024
DATE REPORTED : 10/03/2024
ANALYST : DL/CH

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL)	MS-11			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	242315-64678				242315-64679				
Date Sampled	09/30/2024				09/30/2024				
Date Analyzed	10/02/2024				10/02/2024				
Can Dilution Factor	1.54				2.12				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Cyclohexane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2-Dichloropropane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Bromodichloromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,4-Dioxane	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Trichloroethene (TCE)	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Heptane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Toluene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
2-Hexanone (MBK)	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Dibromochloromethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2-Dibromoethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Chlorobenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Ethylbenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
m & p-Xylene	<SRL	U	1	1.54	<SRL	U	1	2.12	1.00
Bromoform	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Styrene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
o-Xylene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
4-Ethyltoluene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
Hexachlorobutadiene	<SRL	U	1	0.77	<SRL	U	1	1.06	0.50
BFB-Surrogate Std. % Recovery		95%				98%			70-130%

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

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
ANALYST : DL

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/20/2024 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	9.40	9.36	100
Chlorodifluoromethane	10.20	10.40	102
Propene	10.70	10.88	102
Dichlorodifluoromethane	10.40	10.75	103
Dimethyl Ether	10.10	10.01	99
Chloromethane	10.50	10.14	97
Dichlorotetrafluoroethane	10.20	10.13	99
Vinyl Chloride	10.60	11.60	109
Acetaldehyde	20.90	23.73	114
Methanol	20.40	18.60	91
1,3-Butadiene	10.70	11.24	105
Bromomethane	10.40	10.50	101
Chloroethane	10.40	10.80	104
Dichlorofluoromethane	10.10	10.10	100
Ethanol	11.40	8.22	72
Vinyl Bromide	10.10	10.07	100
Acrolein	10.90	12.09	111
Acetone	10.60	10.56	100
Trichlorofluoromethane	10.50	10.48	100
2-Propanol (IPA)	11.00	9.31	85
Acrylonitrile	11.10	11.20	101
1,1-Dichloroethene	10.50	10.43	99
Methylene Chloride (DCM)	10.40	10.03	96
TertButanol (TBA)	11.20	12.61	113
Allyl Chloride	10.20	11.07	109
Carbon Disulfide	10.50	12.09	115
Trichlorotrifluoroethane	10.30	9.99	97
trans-1,2-Dichloroethene	10.80	11.53	107
1,1-Dichloroethane	10.70	11.16	104
Methyl Tert Butyl Ether (MTBE)	10.70	11.48	107
Vinyl Acetate	11.00	13.82	126
2-Butanone (MEK)	10.70	10.40	97
cis-1,2-Dichloroethene	10.70	11.31	106
Hexane	10.80	10.03	93
Chloroform	10.70	11.33	106
Ethyl Acetate	10.70	11.58	108
Tetrahydrofuran	10.40	10.09	97
1,2-Dichloroethane	10.60	10.96	103
1,1,1-Trichloroethane	10.50	11.26	107
Benzene	10.70	10.83	101
Carbon Tetrachloride	10.30	11.20	109
Cyclohexane	10.50	9.85	94

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	10.70	11.44	107
Bromodichloromethane	10.50	12.01	114
1,4-Dioxane	10.50	10.30	98
Trichloroethene (TCE)	10.50	10.31	98
2,2,4-Trimethylpentane	10.10	10.08	100
Methyl Methacrylate	11.00	11.45	104
Heptane	10.50	10.46	100
cis-1,3-Dichloropropene	10.50	11.64	111
4-Methyl-2-pentanone (MiBK)	10.50	11.39	108
trans-1,3-Dichloropropene	10.60	11.98	113
1,1,2-Trichloroethane	10.60	10.95	103
Toluene	10.80	10.85	100
2-Hexanone (MBK)	10.50	11.38	108
Dibromochloromethane	10.60	11.59	109
1,2-Dibromoethane	10.60	11.01	104
Tetrachloroethene (PCE)	10.50	10.62	101
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	9.99	94
m & p-Xylene	21.20	19.44	92
Bromoform	10.60	11.04	104
Styrene	10.60	10.38	98
1,1,2,2-Tetrachloroethane	10.60	10.12	95
o-Xylene	10.60	10.12	95
1,2,3-Trichloropropane	11.00	10.82	98
Isopropylbenzene (Cumene)	10.40	9.84	95
α-Pinene	10.80	9.97	92
2-Chlorotoluene	10.30	9.80	95
n-Propylbenzene	10.10	9.61	95
4-Ethyltoluene	10.40	9.32	90
1,3,5-Trimethylbenzene	10.30	9.35	91
β-Pinene	10.90	7.71	71
1,2,4-Trimethylbenzene	10.30	9.32	90
Benzyl Chloride (a-Chlorotoluene)	10.30	10.42	101
1,3-Dichlorobenzene	10.30	8.86	86
1,4-Dichlorobenzene	10.20	10.46	103
Sec-ButylBenzene	10.00	9.26	93
1,2-Dichlorobenzene	10.40	10.10	97
n-ButylBenzene	10.20	9.62	94
1,2-Dibromo-3-Chloropropane	10.10	10.61	105
1,2,4-Trichlorobenzene	10.50	10.53	100
Naphthalene	10.90	11.01	101
Hexachlorobutadiene	10.80	9.91	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 : 10/02/2024
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
CALIBRATION STD ID : MS1-091224-01
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	9.36	9.64	100	103	2.9
1,1-Dichloroethene	0.0	10.50	10.43	9.56	99	91	8.7
Methylene Chloride (DCM)	0.0	10.40	10.03	9.39	96	90	6.6
Benzene	0.0	10.70	10.83	10.70	101	100	1.2
Trichloroethene (TCE)	0.0	10.50	10.31	10.09	98	96	2.2
Toluene	0.0	10.80	10.85	10.90	100	101	0.5
Tetrachloroethene (PCE)	0.0	10.50	10.62	10.45	101	100	1.6
Chlorobenzene	0.0	10.80	10.03	10.31	93	95	2.8
Ethylbenzene	0.0	10.60	9.99	10.39	94	98	3.9
m & p-Xylene	0.0	21.20	19.44	20.27	92	96	4.2
o-Xylene	0.0	10.60	10.12	10.50	95	99	3.7

[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 : 10/02/2024
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 100224*	*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 100224*	*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 : 10/02/2024
MATRIX : Air
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04
ANALYST : DL
DILUTION FACTOR[1] : x31.02

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 242313-64653

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	9.28	9.08	2.2
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	747	736	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)

24253

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)** Ed
	No. Of Containers 7

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	TO-15 Full List		End Pressure	Remarks Canister / Controller
~~MS-07~~	~~9-30/10-1-24~~	~~0728-0728~~	~~Don't Analyze~~ 64673	~~6L Summa Canister~~	~~X~~	~~X~~		~~ZHG~~	~~002105 / 000882~~
MS-12	9-30/10-1-24	0740-0740	64674	6L Summa Canister	X	X		5HG	002062 / 03528
MS-08	9-30/10-1-24	0753-0753	64675	6L Summa Canister	X	X		8HG	002061 / 17590
MS-09	9-30/10-1-24	0805-0805	64676	6L Summa Canister	X	X		0HG	002109 / 03109
MS-10	9-30/10-1-24	0819-0819	64677	6L Summa Canister	X	X		6HG	002141 / 17587
MS-06	9-30/10-1-24	0843-0843	64678	6L Summa Canister	X	X		6HG	002019 / 000710
MS-11	9-30/10-1-24	0900-0900	64679	6L Summa Canister	X	X		12HG	002078 / 03527

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	10/1/24	1007			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	10/1/24	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

7x cans (Hvoid) + 7x canted Entechs

24251S

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)** Ed
No. Of Containers 7	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur					Remarks
MS-07	9-30/10-1-24	0728 ~~-0728~~	64680	10 Liter Bag	X					
MS-12	9-30/10-1-24	0740 -0740	64681	10 Liter Bag	X					
MS-08	9-30/10-1-24	0753 -0753	64682	10 Liter Bag	X					
MS-09	9-30/10-1-24	0805 -0805	64683	10 Liter Bag	X					
MS-10	9-30/10-1-24	0819 -0819	64684	10 Liter Bag	X					
MS-06	9-30/10-1-24	0843 -0843	64685	10 Liter Bag	X					
MS-11	9-30/10-1-24	0900 -0900	64686	10 Liter Bag	X					

	Date	Time		Date	Time
Relinquished by: (Signature) Ed	10/1/24	1007	**Received by: (Signature)**		
Relinquished by: (Signature)			**Received by: (Signature)**		
Relinquished by: (Signature)			**Received for Laboratory: (Signature)**	10/1/24	1008
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. : 242315
REPORT DATE : 10/03/2024

On October 1st 2024, Atmospheric Analysis & Consulting, Inc. received six (6) 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-12	242315-64674	657.6	MS-07	242315-64680
MS-08	242315-64675	580.6	MS-12	242315-64681
MS-09	242315-64676	750.3	MS-08	242315-64682
MS-10	242315-64677	600.1	MS-09	242315-64683
MS-06	242315-64678	664.9	MS-10	242315-64684
MS-11	242315-64679	479.1	MS-06	242315-64685
-	-	-	MS-11	242315-64686

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 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 8 pages.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242315
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30-10/01/2024
RECEIVING DATE : 10/01/2024
ANALYSIS DATE : 10/02/2024
REPORT DATE : 10/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	MS-08	MS-09	MS-10	MS-06	MS-11
AAC ID	242315-64674	242315-64675	242315-64676	242315-64677	242315-64678	242315-64679
Canister Dil. Fac.	1.55	1.76	1.37	1.70	1.54	2.12
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
COS / SO2	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Methyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Ethyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Dimethyl Sulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Carbon Disulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Isopropyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
tert-Butyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
n-Propyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Methylethylsulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
sec-Butyl Mercaptan / Thiophene	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
iso-Butyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Diethyl Sulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
n-Butyl Mercaptan	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Dimethyl Disulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
2-Methylthiophene	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
3-Methylthiophene	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Tetrahydrothiophene	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Bromothiophene	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Thiophenol	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Diethyl Disulfide	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Total Unidentified Sulfur	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 0.011
Total Reduced Sulfurs	< 0.008	< 0.009	< 0.007	< 0.009	< 0.008	< 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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242315
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30-10/01/2024
RECEIVING DATE : 10/01/2024
ANALYSIS DATE : 10/01/2024
REPORT DATE : 10/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08
AAC ID	242315-64680	242315-64681	242315-64682
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 Limitx Analysis Dil. Fac.

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

LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers
PROJECT NO. : 242315
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 09/30-10/01/2024
RECEIVING DATE : 10/01/2024
ANALYSIS DATE : 10/01/2024
REPORT DATE : 10/03/2024

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-10	MS-06	MS-11
AAC ID	242315-64683	242315-64684	242315-64685	242315-64686
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 Limitx 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: 10/1/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7611	0.535	104.7	1.7
Duplicate	7630	0.536	104.9	1.9
Triplicate	7212	0.507	99.2	3.6

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6276	0.523	104.3	0.1
Duplicate	6281	0.524	104.4	0.2
Triplicate	6253	0.522	103.9	0.3

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8855	0.517	104.0	0.6
Duplicate	8928	0.521	104.8	1.5
Triplicate	8614	0.503	101.2	2.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242313-64656**

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 242313-64656 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.252	0.252	98.6	98.6	0.0
MeSH	<PQL	0.251	0.243	0.260	96.8	103.6	6.8
DMS	<PQL	0.249	0.259	0.273	104.2	109.9	5.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.492	96.3
MeSH	0.502	0.507	101.0
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

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

Quality Control/Quality Assurance Report
SCAQMD 307.91

Date Analyzed: 10/2/2024
Analyst: NR/DM
Units: ppmV

Instrument ID : SCD-BTU
Calb. Date: : 09/13/2024

Opening Calibration Verification Standard

0.511 ppbV H2S (GC-110223-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	7309	0.514	100.5	2.1
Duplicate	7506	0.527	103.2	0.6
Triplicate	7570	0.532	104.1	1.5

0.502 ppbV H2S (GC-110223-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	6257	0.522	104.0	0.1
Duplicate	6260	0.522	104.0	0.1
Triplicate	6280	0.524	104.4	0.2

0.497 ppbV H2S (GC-110223-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	8334	0.486	97.9	4.4
Duplicate	8919	0.521	104.7	2.3
Triplicate	8892	0.519	104.4	2.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 242203-64137**

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 **242203-64137 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.256	0.253	0.241	99.0	94.3	4.9
MeSH	<PQL	0.251	0.252	0.260	100.4	103.6	3.1
DMS	<PQL	0.249	0.235	0.259	94.6	104.2	9.7

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.511	0.515	100.8
MeSH	0.502	0.517	103.0
DMS	0.497	0.509	102.4

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

CHAIN OF CUSTODY RECORD 242315

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	307.91 Sulfur	TO-15 Full List			End Pressure	Remarks Canister / Controller
~~MS #7~~	~~9-30/10-1-24~~	~~0728-0728~~	~~Don't Analyze~~ 64673	6L Summa Canister	X	X			~~23HG~~	~~002165 / 000982~~
MS-12	9-30/10-1-24	0740-0740	64674	6L Summa Canister	X	X			5HG	002062 / 03528
MS-08	9-30/10-1-24	0753-0753	64675	6L Summa Canister	X	X			8HG	002061 / 17590
MS-09	9-30/10-1-24	0805-0805	64676	6L Summa Canister	X	X			0HG	002109 / 03109
MS-10	9-30/10-1-24	0819-0819	64677	6L Summa Canister	X	X			6HG	002141 / 17587
MS-06	9-30/10-1-24	0843-0843	64678	6L Summa Canister	X	X			6HG	002019 / 000710
MS-11	9-30/10-1-24	0900-0900	64679	6L Summa Canister	X	X			12HG	002078 / 03527

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	10/1/24	1007			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
			H	10/1/24	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

7x cans (1 voided) + 7x canisters Entered

CHAIN OF CUSTODY RECORD 242315

Client/Project Name	Project Location	ANALYSES
SCS Engineers / Chiquita Canyon Landfill Air/odor sampling	Valencia, CA	
Project No.	**Field Logbook No.**	
Sampler: (Print) ED. Grzyb **(Signature)** Ed	**No. Of Containers** 7	307.91 Sulfur

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	307.91 Sulfur	Remarks
MS-07	9-30/10-1-24	0728-0728	64680	10 Liter Bag	X	
MS-12	9-30/10-1-24	0740-0740	64681	10 Liter Bag	X	
MS-08	9-30/10-1-24	0753-0753	64682	10 Liter Bag	X	
MS-09	9-30/10-1-24	0805-0805	64683	10 Liter Bag	X	
MS-10	9-30/10-1-24	0819-0819	64684	10 Liter Bag	X	
MS-06	9-30/10-1-24	0843-0843	64685	10 Liter Bag	X	
MS-11	9-30/10-1-24	0900-0900	64686	10 Liter Bag	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed	10/1/24	1007			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				10/1/24	1006
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

Appendix B

CTEH Supplementary Analysis of SCS Engineers' Q3 2024 EAMP Report

CTEH®

Date: November 15, 2024
To: Nicole Quick, MD, MPH, Deputy Director for Health Protection, Los Angeles County Department of Public Health
From: Pablo Sanchez Soria, PhD, CIH, Senior Toxicologist, Director of Health Sciences, CTEH
Subject: CTEH Supplementary Analysis of SCS Engineers' Third Quarter (July 1, 2024 – September 30, 2024) Community 24-hour Analytical Air Sampling Data

1. Overview and Summary of Findings

In accordance with the enhanced air monitoring program (EAMP) for Chiquita Canyon Landfill (CCL), SCS Engineers produced a quarterly report for the third quarter of 2024 (July 1, 2024, to September 30, 2024), summarizing the results from air quality data collected in accordance with the 2019 Community Air Monitoring Plan (CAMP) prepared by SCS Engineers in collaboration with CCL, the Los Angeles County Department of Public Health (DPH), and the Los Angeles County Department of Public Works (DPW). At the request of CCL, and in response to DPH's June 6, 2024 letter (Letter), CTEH has prepared this report to provide a supplementary analysis of SCS Engineers' analytical air sampling data pertaining to the evaluation of public health risks.

The following summarizes CTEH's findings from 24-hour "*time-composited*" air samples collected by SCS Engineers across the community near CCL during the third quarter of 2024 and provides a summary of the methodology used to conduct the analysis.

SCS Engineers collected air samples for the analysis of volatile organic compounds (VOCs) and total reduced sulfur (TRS) compounds. Full laboratory results are provided in SCS Engineers quarterly report. Of all the analytes evaluated in the 24-hour samples deployed across seven community locations (MS-06 – MS-12), benzene was the only analyte detected above its corresponding Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (REL) of 1 ppb.

On July 1, 2024, benzene was detected at MS-06 at 1.06 ppb and at MS-09 at 1.39 ppb. While these individual samples documented the presence of benzene above the OEHHA Chronic REL of 1 ppb at those community locations on July 1, 2024, average concentrations of benzene at all community locations where 24-hour samples were collected between July 1 and September 30, 2024, including MS-06 and MS-09, were below the OEHHA Chronic REL of 1 ppb. The average concentration of benzene at MS-06 through the quarter was 0.52 ppb, and the average concentration at MS-09 was 0.47 ppb. Average concentrations of benzene across the remaining community sampling locations ranged from 0.41 to 0.45 ppb. For comparison, benzene levels documented across the Burbank, California area during the latest air quality study (MATES V) conducted by SCAQMD ranged from 0.08 to 0.45 ppb, with an average concentration of 0.22 ppb[1]. Whereas no source attribution has been conducted at this point, it is important to note that benzene can be emitted from many sources, including gasoline powered mobile sources such as cars. According to the MATES V study conducted by the SCAQMD, benzene emissions from on-road and off-road mobile sources account for over 80% of daily emissions of benzene in the South Coast Air Basin.

[1] https://www.aqmd.gov/docs/default-source/planning/mates-v/mates-v-final-report-9-24-21.pdf

2. Data Evaluation and Methodology

Data Selection for Health-Based Screening Level Assessment

Community Data

SCS Engineers' third quarterly report of 2024 includes data collected from multiple locations, including locations within the landfill, across the perimeter of CCL, and throughout the community. To evaluate potential health risks for residents near the CCL, concentrations of VOCs and TRS compounds were evaluated throughout the community air sampling locations, including MS-06 – MS-12. For this reason, all data from MS-01 – MS-05, located within the landfill or on the landfill's immediate perimeter, were excluded from this analysis. A figure illustrating these sampling locations is provided in **Appendix A**.

24-hour Analytical Data

While community locations selected by SCS Engineers for air monitoring and sampling also include three additional locations beyond MS-06 – MS-12 (S. End Lincoln, Santa Clarita Valley (SCV) and Chiquito Canyon Road), none of these locations included samples collected over a 24-hour period. In this regard, all data from grab samples were excluded from this analysis. Additionally, while SCS Engineers is also collecting air quality data via continuous air monitoring stations across various perimeter and community locations, CTEH has not evaluated these data to make conclusions about public health risks because CTEH is not familiar with the quality assurance and quality control procedures in place for these data.

OEHHA RELs

Analytical results from SCS Engineers' 24-hour samples were compared to OEHHA Chronic RELs, where available. A list of RELs is available on OEHHA's website[2]. These RELs serve as health-protective benchmarks for chronic exposures (chronic being for a period of 1-year to a lifetime), and they are based on the most sensitive health effects reported in scientific literature. OEHHA RELs are designed to protect the most sensitive individuals in the population, including children, the elderly, and those with pre-existing health conditions. OEHHA RELs are airborne concentrations of chemicals at or below which no adverse health effects are anticipated in individuals indefinitely exposed to that level. Due to the conservative nature of health-protective screening levels such as these, it is important to note that exceedances of chronic RELs from single 24-hour sample results do not necessarily indicate that health risks are anticipated. Rather, they may indicate that additional investigation is warranted.

Analysis

To assess whether exceedances of OEHHA Chronic RELs were observed, results were averaged throughout the quarter by sampling location[3]. In addition, individual results from single 24-hour samples were compared against OEHHA Chronic RELs screening values[4] to assess whether additional investigation may

[2] https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary

[3] Average concentrations include non-detections at one half of the reporting limit, per standard risk assessment practice. Importantly, reporting limits from data collected by SCS Engineers across the community may be higher than those of the MATES V study. Thus, average concentration calculations may be artificially elevated compared to background levels where non-detections are documented.

[4] Individual 24-hour samples were also compared against OEHHA Acute RELs for sake of completeness. No detections above Acute RELs were observed.

be warranted. (i.e., assess trends, wind direction, or other patterns informative of potential sources). The individual 24-hour sampling results are reported as above or below OEHHA Chronic RELs, rather than "exceedance" or "non-exceedance" because individual 24-hour samples do not indicate the potential health risks for which Chronic RELs are protective over *chronic* exposure durations. Detections above the OEHHA Chronic REL for a particular constituent are discussed in Section 1, above. Individual 24-hour samples were also compared against OEHHA Acute RELs. No detections above Acute RELs were observed across SCS Engineers' 24-hour analytical air samples collected throughout the third quarter of 2024.

Appendix A. SCS Engineers 24-hour Community Air Sampling Locations

